aws

API Reference

Amazon API Gateway



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Amazon API Gateway: API Reference

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Table of Contents

Welcome **1**
Actions **2**
CreateApiKey 7
Request Syntax 7
URI Request Parameters 7
Request Body 7
Response Syntax 9
Response Elements 9
Errors 11
Examples 11
See Also 13
CreateAuthorizer 14
Request Syntax 14
URI Request Parameters 14
Request Body 14
Response Syntax 17
Response Elements 17
Errors 20
Examples 21
See Also 22
CreateBasePathMapping 24
Request Syntax 24
URI Request Parameters 24
Request Body 24
Response Syntax 25
Response Elements 25
Errors 26
Examples 27
See Also 28
CreateDeployment 29
Request Syntax 29
URI Request Parameters 29
Request Body 29
Response Syntax 31

Response Elements ... 31
Errors ... 32
Examples ... 33
See Also ... 34
CreateDocumentationPart ... 36
Request Syntax ... 36
URI Request Parameters ... 36
Request Body ... 36
Response Syntax ... 37
Response Elements ... 37
Errors ... 38
See Also ... 39
CreateDocumentationVersion ... 40
Request Syntax ... 40
URI Request Parameters ... 40
Request Body ... 40
Response Syntax ... 41
Response Elements ... 41
Errors ... 42
See Also ... 42
CreateDomainName ... 44
Request Syntax ... 44
URI Request Parameters ... 44
Request Body ... 45
Response Syntax ... 48
Response Elements ... 49
Errors ... 53
Examples ... 54
See Also ... 56
CreateDomainNameAccessAssociation ... 57
Request Syntax ... 57
URI Request Parameters ... 57
Request Body ... 57
Response Syntax ... 58
Response Elements ... 58
Errors ... 59

Examples ... 60
See Also ... 62
CreateModel ... 63
Request Syntax ... 63
URI Request Parameters ... 63
Request Body ... 63
Response Syntax ... 64
Response Elements ... 64
Errors ... 65
Examples ... 66
See Also ... 67
CreateRequestValidator ... 69
Request Syntax ... 69
URI Request Parameters ... 69
Request Body ... 69
Response Syntax ... 70
Response Elements ... 70
Errors ... 71
Examples ... 72
See Also ... 73
CreateResource ... 74
Request Syntax ... 74
URI Request Parameters ... 74
Request Body ... 74
Response Syntax ... 75
Response Elements ... 76
Errors ... 77
Examples ... 78
See Also ... 79
CreateRestApi ... 81
Request Syntax ... 81
URI Request Parameters ... 81
Request Body ... 81
Response Syntax ... 84
Response Elements ... 85
Errors ... 88

Examples ... 89
See Also ... 91
CreateStage ... 93
Request Syntax ... 93
URI Request Parameters ... 93
Request Body ... 94
Response Syntax ... 96
Response Elements ... 97
Errors ... 99
Examples ... 100
See Also ... 102
CreateUsagePlan ... 103
Request Syntax ... 103
URI Request Parameters ... 103
Request Body ... 104
Response Syntax ... 105
Response Elements ... 106
Errors ... 107
Examples ... 108
See Also ... 110
CreateUsagePlanKey ... 111
Request Syntax ... 111
URI Request Parameters ... 111
Request Body ... 111
Response Syntax ... 112
Response Elements ... 112
Errors ... 113
Examples ... 113
See Also ... 114
CreateVpcLink ... 116
Request Syntax ... 116
URI Request Parameters ... 116
Request Body ... 116
Response Syntax ... 117
Response Elements ... 117
Errors ... 119

Examples ... 119
See Also ... 120
DeleteApiKey ... 122
Request Syntax ... 122
URI Request Parameters ... 122
Request Body ... 122
Response Syntax ... 122
Response Elements ... 122
Errors ... 122
See Also ... 123
DeleteAuthorizer ... 125
Request Syntax ... 125
URI Request Parameters ... 125
Request Body ... 125
Response Syntax ... 125
Response Elements ... 125
Errors ... 125
See Also ... 126
DeleteBasePathMapping ... 128
Request Syntax ... 128
URI Request Parameters ... 128
Request Body ... 128
Response Syntax ... 128
Response Elements ... 128
Errors ... 129
See Also ... 129
DeleteClientCertificate ... 131
Request Syntax ... 131
URI Request Parameters ... 131
Request Body ... 131
Response Syntax ... 131
Response Elements ... 131
Errors ... 131
See Also ... 132
DeleteDeployment ... 134
Request Syntax ... 134

URI Request Parameters ... 134
Request Body ... 134
Response Syntax ... 134
Response Elements ... 134
Errors ... 134
See Also ... 135
DeleteDocumentationPart ... 137
Request Syntax ... 137
URI Request Parameters ... 137
Request Body ... 137
Response Syntax ... 137
Response Elements ... 137
Errors ... 137
See Also ... 138
DeleteDocumentationVersion ... 140
Request Syntax ... 140
URI Request Parameters ... 140
Request Body ... 140
Response Syntax ... 140
Response Elements ... 140
Errors ... 140
See Also ... 141
DeleteDomainName ... 143
Request Syntax ... 143
URI Request Parameters ... 143
Request Body ... 143
Response Syntax ... 143
Response Elements ... 143
Errors ... 143
See Also ... 144
DeleteDomainNameAccessAssociation ... 146
Request Syntax ... 146
URI Request Parameters ... 146
Request Body ... 146
Response Syntax ... 146
Response Elements ... 146

Errors ... 146
See Also ... 147
DeleteGatewayResponse ... 149
Request Syntax ... 149
URI Request Parameters ... 149
Request Body ... 149
Response Syntax ... 149
Response Elements ... 150
Errors ... 150
See Also ... 150
DeleteIntegration ... 152
Request Syntax ... 152
URI Request Parameters ... 152
Request Body ... 152
Response Syntax ... 152
Response Elements ... 152
Errors ... 153
See Also ... 153
DeleteIntegrationResponse ... 155
Request Syntax ... 155
URI Request Parameters ... 155
Request Body ... 155
Response Syntax ... 156
Response Elements ... 156
Errors ... 156
See Also ... 157
DeleteMethod ... 158
Request Syntax ... 158
URI Request Parameters ... 158
Request Body ... 158
Response Syntax ... 158
Response Elements ... 158
Errors ... 159
See Also ... 159
DeleteMethodResponse ... 161
Request Syntax ... 161

URI Request Parameters ... 161
Request Body ... 161
Response Syntax ... 162
Response Elements ... 162
Errors ... 162
See Also ... 163
DeleteModel ... 164
Request Syntax ... 164
URI Request Parameters ... 164
Request Body ... 164
Response Syntax ... 164
Response Elements ... 164
Errors ... 164
See Also ... 165
DeleteRequestValidator ... 167
Request Syntax ... 167
URI Request Parameters ... 167
Request Body ... 167
Response Syntax ... 167
Response Elements ... 167
Errors ... 167
See Also ... 168
DeleteResource ... 170
Request Syntax ... 170
URI Request Parameters ... 170
Request Body ... 170
Response Syntax ... 170
Response Elements ... 170
Errors ... 170
See Also ... 171
DeleteRestApi ... 173
Request Syntax ... 173
URI Request Parameters ... 173
Request Body ... 173
Response Syntax ... 173
Response Elements ... 173

Errors ... 173
See Also ... 174
DeleteStage ... 176
Request Syntax ... 176
URI Request Parameters ... 176
Request Body ... 176
Response Syntax ... 176
Response Elements ... 176
Errors ... 176
See Also ... 177
DeleteUsagePlan ... 179
Request Syntax ... 179
URI Request Parameters ... 179
Request Body ... 179
Response Syntax ... 179
Response Elements ... 179
Errors ... 179
See Also ... 180
DeleteUsagePlanKey ... 182
Request Syntax ... 182
URI Request Parameters ... 182
Request Body ... 182
Response Syntax ... 182
Response Elements ... 182
Errors ... 182
See Also ... 183
DeleteVpcLink ... 185
Request Syntax ... 185
URI Request Parameters ... 185
Request Body ... 185
Response Syntax ... 185
Response Elements ... 185
Errors ... 185
See Also ... 186
FlushStageAuthorizersCache ... 188
Request Syntax ... 188

URI Request Parameters ... 188
Request Body ... 188
Response Syntax ... 188
Response Elements ... 188
Errors ... 188
See Also ... 189
FlushStageCache ... 191
Request Syntax ... 191
URI Request Parameters ... 191
Request Body ... 191
Response Syntax ... 191
Response Elements ... 191
Errors ... 191
See Also ... 192
GenerateClientCertificate ... 194
Request Syntax ... 194
URI Request Parameters ... 194
Request Body ... 194
Response Syntax ... 195
Response Elements ... 195
Errors ... 196
Examples ... 197
See Also ... 198
GetAccount ... 199
Request Syntax ... 199
URI Request Parameters ... 199
Request Body ... 199
Response Syntax ... 199
Response Elements ... 199
Errors ... 200
See Also ... 201
GetApiKey ... 202
Request Syntax ... 202
URI Request Parameters ... 202
Request Body ... 202
Response Syntax ... 202

Response Elements ... 203
Errors ... 204
Examples ... 205
See Also ... 206
GetApiKeys ... 207
Request Syntax ... 207
URI Request Parameters ... 207
Request Body ... 207
Response Syntax ... 207
Response Elements ... 208
Errors ... 209
Examples ... 209
See Also ... 211
GetAuthorizer ... 212
Request Syntax ... 212
URI Request Parameters ... 212
Request Body ... 212
Response Syntax ... 212
Response Elements ... 213
Errors ... 215
Examples ... 216
See Also ... 217
GetAuthorizers ... 218
Request Syntax ... 218
URI Request Parameters ... 218
Request Body ... 218
Response Syntax ... 218
Response Elements ... 219
Errors ... 219
Examples ... 220
See Also ... 221
GetBasePathMapping ... 223
Request Syntax ... 223
URI Request Parameters ... 223
Request Body ... 223
Response Syntax ... 223

Response Elements ... 224
Errors ... 224
See Also ... 225
GetBasePathMappings ... 226
Request Syntax ... 226
URI Request Parameters ... 226
Request Body ... 226
Response Syntax ... 226
Response Elements ... 227
Errors ... 227
Examples ... 228
See Also ... 230
GetClientCertificate ... 231
Request Syntax ... 231
URI Request Parameters ... 231
Request Body ... 231
Response Syntax ... 231
Response Elements ... 231
Errors ... 232
Examples ... 233
See Also ... 234
GetClientCertificates ... 235
Request Syntax ... 235
URI Request Parameters ... 235
Request Body ... 235
Response Syntax ... 235
Response Elements ... 236
Errors ... 236
Examples ... 237
See Also ... 238
GetDeployment ... 240
Request Syntax ... 240
URI Request Parameters ... 240
Request Body ... 240
Response Syntax ... 241
Response Elements ... 241

Errors ... 242
Examples ... 242
See Also ... 244
GetDeployments ... 245
Request Syntax ... 245
URI Request Parameters ... 245
Request Body ... 245
Response Syntax ... 245
Response Elements ... 246
Errors ... 246
Examples ... 247
See Also ... 249
GetDocumentationPart ... 251
Request Syntax ... 251
URI Request Parameters ... 251
Request Body ... 251
Response Syntax ... 251
Response Elements ... 252
Errors ... 252
See Also ... 253
GetDocumentationParts ... 255
Request Syntax ... 255
URI Request Parameters ... 255
Request Body ... 256
Response Syntax ... 256
Response Elements ... 256
Errors ... 257
See Also ... 257
GetDocumentationVersion ... 259
Request Syntax ... 259
URI Request Parameters ... 259
Request Body ... 259
Response Syntax ... 259
Response Elements ... 260
Errors ... 260
See Also ... 261

GetDocumentationVersions ... 262
Request Syntax ... 262
URI Request Parameters ... 262
Request Body ... 262
Response Syntax ... 262
Response Elements ... 263
Errors ... 263
See Also ... 264
GetDomainName ... 265
Request Syntax ... 265
URI Request Parameters ... 265
Request Body ... 265
Response Syntax ... 265
Response Elements ... 266
Errors ... 270
Examples ... 271
See Also ... 274
GetDomainNameAccessAssociations ... 275
Request Syntax ... 275
URI Request Parameters ... 275
Request Body ... 275
Response Syntax ... 275
Response Elements ... 276
Errors ... 276
Examples ... 277
See Also ... 278
GetDomainNames ... 280
Request Syntax ... 280
URI Request Parameters ... 280
Request Body ... 280
Response Syntax ... 280
Response Elements ... 281
Errors ... 282
Examples ... 282
See Also ... 285
GetExport ... 287

Request Syntax ... 287
URI Request Parameters ... 287
Request Body ... 288
Response Syntax ... 288
Response Elements ... 288
Errors ... 289
See Also ... 289
GetGatewayResponse ... 291
Request Syntax ... 291
URI Request Parameters ... 291
Request Body ... 291
Response Syntax ... 291
Response Elements ... 292
Errors ... 293
Examples ... 294
See Also ... 295
GetGatewayResponses ... 296
Request Syntax ... 296
URI Request Parameters ... 296
Request Body ... 296
Response Syntax ... 296
Response Elements ... 297
Errors ... 297
Examples ... 298
See Also ... 311
GetIntegration ... 312
Request Syntax ... 312
URI Request Parameters ... 312
Request Body ... 312
Response Syntax ... 312
Response Elements ... 313
Errors ... 318
Examples ... 318
See Also ... 321
GetIntegrationResponse ... 322
Request Syntax ... 322

URI Request Parameters ... 322
Request Body ... 322
Response Syntax ... 323
Response Elements ... 323
Errors ... 324
Examples ... 325
See Also ... 326
GetMethod ... 328
Request Syntax ... 328
URI Request Parameters ... 328
Request Body ... 328
Response Syntax ... 328
Response Elements ... 330
Errors ... 332
Examples ... 333
See Also ... 337
GetMethodResponse ... 338
Request Syntax ... 338
URI Request Parameters ... 338
Request Body ... 338
Response Syntax ... 339
Response Elements ... 339
Errors ... 340
Examples ... 340
See Also ... 341
GetModel ... 343
Request Syntax ... 343
URI Request Parameters ... 343
Request Body ... 343
Response Syntax ... 343
Response Elements ... 344
Errors ... 344
Examples ... 345
See Also ... 346
GetModels ... 348
Request Syntax ... 348

URI Request Parameters ... 348
Request Body ... 348
Response Syntax ... 348
Response Elements ... 349
Errors ... 349
Examples ... 350
See Also ... 352
GetModelTemplate ... 353
Request Syntax ... 353
URI Request Parameters ... 353
Request Body ... 353
Response Syntax ... 353
Response Elements ... 353
Errors ... 354
Examples ... 354
See Also ... 355
GetRequestValidator ... 357
Request Syntax ... 357
URI Request Parameters ... 357
Request Body ... 357
Response Syntax ... 357
Response Elements ... 358
Errors ... 358
Examples ... 359
See Also ... 360
GetRequestValidators ... 361
Request Syntax ... 361
URI Request Parameters ... 361
Request Body ... 361
Response Syntax ... 361
Response Elements ... 362
Errors ... 362
Examples ... 363
See Also ... 365
GetResource ... 366
Request Syntax ... 366

URI Request Parameters ... 366
Request Body ... 366
Response Syntax ... 366
Response Elements ... 368
Errors ... 369
Examples ... 369
See Also ... 371
GetResources ... 372
Request Syntax ... 372
URI Request Parameters ... 372
Request Body ... 372
Response Syntax ... 372
Response Elements ... 374
Errors ... 375
Examples ... 375
See Also ... 377
GetRestApi ... 379
Request Syntax ... 379
URI Request Parameters ... 379
Request Body ... 379
Response Syntax ... 379
Response Elements ... 380
Errors ... 383
Examples ... 384
See Also ... 387
GetRestApis ... 388
Request Syntax ... 388
URI Request Parameters ... 388
Request Body ... 388
Response Syntax ... 388
Response Elements ... 389
Errors ... 389
Examples ... 390
See Also ... 394
GetSdk ... 395
Request Syntax ... 395

URI Request Parameters ... 395
Request Body ... 395
Response Syntax ... 396
Response Elements ... 396
Errors ... 396
See Also ... 397
GetSdkType ... 399
Request Syntax ... 399
URI Request Parameters ... 399
Request Body ... 399
Response Syntax ... 399
Response Elements ... 400
Errors ... 400
See Also ... 401
GetSdkTypes ... 402
Request Syntax ... 402
URI Request Parameters ... 402
Request Body ... 402
Response Syntax ... 402
Response Elements ... 403
Errors ... 403
See Also ... 404
GetStage ... 405
Request Syntax ... 405
URI Request Parameters ... 405
Request Body ... 405
Response Syntax ... 405
Response Elements ... 406
Errors ... 409
Examples ... 410
See Also ... 411
GetStages ... 413
Request Syntax ... 413
URI Request Parameters ... 413
Request Body ... 413
Response Syntax ... 413

Response Elements ... 414
Errors ... 415
Examples ... 416
See Also ... 418
GetTags ... 420
Request Syntax ... 420
URI Request Parameters ... 420
Request Body ... 420
Response Syntax ... 420
Response Elements ... 421
Errors ... 421
See Also ... 422
GetUsage ... 423
Request Syntax ... 423
URI Request Parameters ... 423
Request Body ... 424
Response Syntax ... 424
Response Elements ... 424
Errors ... 425
Examples ... 426
See Also ... 427
GetUsagePlan ... 428
Request Syntax ... 428
URI Request Parameters ... 428
Request Body ... 428
Response Syntax ... 428
Response Elements ... 429
Errors ... 430
Examples ... 431
See Also ... 433
GetUsagePlanKey ... 434
Request Syntax ... 434
URI Request Parameters ... 434
Request Body ... 434
Response Syntax ... 434
Response Elements ... 435

Errors ... 435
Examples ... 436
See Also ... 437
GetUsagePlanKeys ... 438
Request Syntax ... 438
URI Request Parameters ... 438
Request Body ... 438
Response Syntax ... 438
Response Elements ... 439
Errors ... 439
Examples ... 440
See Also ... 441
GetUsagePlans ... 442
Request Syntax ... 442
URI Request Parameters ... 442
Request Body ... 442
Response Syntax ... 442
Response Elements ... 443
Errors ... 444
Examples ... 444
See Also ... 447
GetVpcLink ... 448
Request Syntax ... 448
URI Request Parameters ... 448
Request Body ... 448
Response Syntax ... 448
Response Elements ... 449
Errors ... 450
See Also ... 450
GetVpcLinks ... 452
Request Syntax ... 452
URI Request Parameters ... 452
Request Body ... 452
Response Syntax ... 452
Response Elements ... 453
Errors ... 453

See Also ... 454
ImportApiKeys ... 455
Request Syntax ... 455
URI Request Parameters ... 455
Request Body ... 455
Response Syntax ... 456
Response Elements ... 456
Errors ... 456
See Also ... 457
ImportDocumentationParts ... 459
Request Syntax ... 459
URI Request Parameters ... 459
Request Body ... 459
Response Syntax ... 460
Response Elements ... 460
Errors ... 460
See Also ... 461
ImportRestApi ... 463
Request Syntax ... 463
URI Request Parameters ... 463
Request Body ... 463
Response Syntax ... 464
Response Elements ... 464
Errors ... 468
Examples ... 468
See Also ... 473
PutGatewayResponse ... 474
Request Syntax ... 474
URI Request Parameters ... 474
Request Body ... 475
Response Syntax ... 475
Response Elements ... 476
Errors ... 477
Examples ... 478
See Also ... 480
PutIntegration ... 481

Request Syntax ... 481
URI Request Parameters ... 481
Request Body ... 482
Response Syntax ... 486
Response Elements ... 487
Errors ... 491
Examples ... 492
See Also ... 493
PutIntegrationResponse ... 495
Request Syntax ... 495
URI Request Parameters ... 495
Request Body ... 496
Response Syntax ... 497
Response Elements ... 497
Errors ... 499
Examples ... 500
See Also ... 501
PutMethod ... 502
Request Syntax ... 502
URI Request Parameters ... 502
Request Body ... 503
Response Syntax ... 505
Response Elements ... 506
Errors ... 508
Examples ... 509
See Also ... 510
PutMethodResponse ... 512
Request Syntax ... 512
URI Request Parameters ... 512
Request Body ... 513
Response Syntax ... 513
Response Elements ... 514
Errors ... 515
Examples ... 516
See Also ... 517
PutRestApi ... 518

Request Syntax ... 518
URI Request Parameters ... 518
Request Body ... 519
Response Syntax ... 519
Response Elements ... 520
Errors ... 523
Examples ... 524
See Also ... 530
RejectDomainNameAccessAssociation ... 531
Request Syntax ... 531
URI Request Parameters ... 531
Request Body ... 531
Response Syntax ... 531
Response Elements ... 531
Errors ... 532
See Also ... 532
TagResource ... 534
Request Syntax ... 534
URI Request Parameters ... 534
Request Body ... 534
Response Syntax ... 535
Response Elements ... 535
Errors ... 535
See Also ... 536
TestInvokeAuthorizer ... 537
Request Syntax ... 537
URI Request Parameters ... 537
Request Body ... 538
Response Syntax ... 539
Response Elements ... 539
Errors ... 540
See Also ... 541
TestInvokeMethod ... 542
Request Syntax ... 542
URI Request Parameters ... 542
Request Body ... 543

Response Syntax ... 544
Response Elements ... 544
Errors ... 545
See Also ... 546
UntagResource ... 547
Request Syntax ... 547
URI Request Parameters ... 547
Request Body ... 547
Response Syntax ... 547
Response Elements ... 547
Errors ... 547
See Also ... 548
UpdateAccount ... 550
Request Syntax ... 550
URI Request Parameters ... 550
Request Body ... 550
Response Syntax ... 550
Response Elements ... 551
Errors ... 551
Examples ... 552
See Also ... 554
UpdateApiKey ... 555
Request Syntax ... 555
URI Request Parameters ... 555
Request Body ... 555
Response Syntax ... 556
Response Elements ... 556
Errors ... 557
See Also ... 558
UpdateAuthorizer ... 560
Request Syntax ... 560
URI Request Parameters ... 560
Request Body ... 560
Response Syntax ... 561
Response Elements ... 561
Errors ... 563

Examples ... 564
See Also ... 566
UpdateBasePathMapping ... 567
Request Syntax ... 567
URI Request Parameters ... 567
Request Body ... 568
Response Syntax ... 568
Response Elements ... 568
Errors ... 569
Examples ... 570
See Also ... 571
UpdateClientCertificate ... 572
Request Syntax ... 572
URI Request Parameters ... 572
Request Body ... 572
Response Syntax ... 573
Response Elements ... 573
Errors ... 574
Examples ... 575
See Also ... 576
UpdateDeployment ... 577
Request Syntax ... 577
URI Request Parameters ... 577
Request Body ... 577
Response Syntax ... 578
Response Elements ... 578
Errors ... 579
Examples ... 580
See Also ... 581
UpdateDocumentationPart ... 582
Request Syntax ... 582
URI Request Parameters ... 582
Request Body ... 582
Response Syntax ... 583
Response Elements ... 583
Errors ... 584

See Also ... 585
UpdateDocumentationVersion ... 586
Request Syntax ... 586
URI Request Parameters ... 586
Request Body ... 586
Response Syntax ... 587
Response Elements ... 587
Errors ... 587
See Also ... 588
UpdateDomainName ... 590
Request Syntax ... 590
URI Request Parameters ... 590
Request Body ... 590
Response Syntax ... 591
Response Elements ... 592
Errors ... 596
Examples ... 597
See Also ... 598
UpdateGatewayResponse ... 600
Request Syntax ... 600
URI Request Parameters ... 600
Request Body ... 601
Response Syntax ... 601
Response Elements ... 601
Errors ... 603
Examples ... 603
See Also ... 605
UpdateIntegration ... 607
Request Syntax ... 607
URI Request Parameters ... 607
Request Body ... 608
Response Syntax ... 608
Response Elements ... 609
Errors ... 613
Examples ... 614
See Also ... 617

UpdateIntegrationResponse ... 618
Request Syntax ... 618
URI Request Parameters ... 618
Request Body ... 619
Response Syntax ... 619
Response Elements ... 619
Errors ... 621
Examples ... 622
See Also ... 623
UpdateMethod ... 624
Request Syntax ... 624
URI Request Parameters ... 624
Request Body ... 625
Response Syntax ... 625
Response Elements ... 626
Errors ... 628
Examples ... 629
See Also ... 631
UpdateMethodResponse ... 632
Request Syntax ... 632
URI Request Parameters ... 632
Request Body ... 633
Response Syntax ... 633
Response Elements ... 633
Errors ... 634
Examples ... 635
See Also ... 637
UpdateModel ... 638
Request Syntax ... 638
URI Request Parameters ... 638
Request Body ... 638
Response Syntax ... 639
Response Elements ... 639
Errors ... 640
Examples ... 641
See Also ... 642

UpdateRequestValidator ... 644
Request Syntax ... 644
URI Request Parameters ... 644
Request Body ... 644
Response Syntax ... 645
Response Elements ... 645
Errors ... 646
Examples ... 647
See Also ... 648
UpdateResource ... 649
Request Syntax ... 649
URI Request Parameters ... 649
Request Body ... 649
Response Syntax ... 650
Response Elements ... 651
Errors ... 652
Examples ... 653
See Also ... 655
UpdateRestApi ... 656
Request Syntax ... 656
URI Request Parameters ... 656
Request Body ... 656
Response Syntax ... 657
Response Elements ... 657
Errors ... 660
Examples ... 661
See Also ... 665
UpdateStage ... 666
Request Syntax ... 666
URI Request Parameters ... 666
Request Body ... 666
Response Syntax ... 667
Response Elements ... 668
Errors ... 670
Examples ... 671
See Also ... 674

UpdateUsage ... 675
Request Syntax ... 675
URI Request Parameters ... 675
Request Body ... 675
Response Syntax ... 676
Response Elements ... 676
Errors ... 677
Examples ... 678
See Also ... 679
UpdateUsagePlan ... 680
Request Syntax ... 680
URI Request Parameters ... 680
Request Body ... 680
Response Syntax ... 681
Response Elements ... 681
Errors ... 683
Examples ... 683
See Also ... 686
UpdateVpcLink ... 687
Request Syntax ... 687
URI Request Parameters ... 687
Request Body ... 687
Response Syntax ... 688
Response Elements ... 688
Errors ... 689
See Also ... 690
Data Types ... 691
AccessLogSettings ... 693
Contents ... 693
See Also ... 693
ApiKey ... 694
Contents ... 694
See Also ... 695
ApiStage ... 697
Contents ... 697
See Also ... 697

Authorizer ... 698
Contents ... 698
See Also ... 700
BasePathMapping ... 702
Contents ... 702
See Also ... 702
CanarySettings ... 703
Contents ... 703
See Also ... 703
ClientCertificate ... 705
Contents ... 705
See Also ... 706
Deployment ... 707
Contents ... 707
See Also ... 707
DeploymentCanarySettings ... 709
Contents ... 709
See Also ... 709
DocumentationPart ... 711
Contents ... 711
See Also ... 711
DocumentationPartLocation ... 713
Contents ... 713
See Also ... 714
DocumentationVersion ... 715
Contents ... 715
See Also ... 715
DomainName ... 716
Contents ... 716
See Also ... 721
DomainNameAccessAssociation ... 722
Contents ... 722
See Also ... 723
EndpointConfiguration ... 724
Contents ... 724
See Also ... 725

GatewayResponse 726
Contents 726
See Also 727
Integration 728
Contents 728
See Also 732
IntegrationResponse 734
Contents 734
See Also 735
Method 736
Contents 736
See Also 738
MethodResponse 739
Contents 739
See Also 740
MethodSetting 741
Contents 741
See Also 743
MethodSnapshot 744
Contents 744
See Also 744
Model 745
Contents 745
See Also 746
MutualTlsAuthentication 747
Contents 747
See Also 748
MutualTlsAuthenticationInput 749
Contents 749
See Also 749
PatchOperation 750
Contents 750
See Also 751
QuotaSettings 752
Contents 752
See Also 752

RequestValidator ... 753
Contents ... 753
See Also ... 753
Resource ... 755
Contents ... 755
See Also ... 756
RestApi ... 757
Contents ... 757
See Also ... 760
SdkConfigurationProperty ... 762
Contents ... 762
See Also ... 763
SdkType ... 764
Contents ... 764
See Also ... 764
Stage ... 766
Contents ... 766
See Also ... 769
StageKey ... 770
Contents ... 770
See Also ... 770
ThrottleSettings ... 771
Contents ... 771
See Also ... 771
TlsConfig ... 772
Contents ... 772
See Also ... 772
UsagePlan ... 773
Contents ... 773
See Also ... 774
UsagePlanKey ... 775
Contents ... 775
See Also ... 775
VpcLink ... 777
Contents ... 777
See Also ... 778

Common Parameters **779**
Common Error Types **782**
Patch Operations **785**
UpdateAccount 785
UpdateApiKey 785
UpdateAuthorizer 786
UpdateBasePathMapping 787
UpdateClientCertificate 787
UpdateDeployment 787
UpdateDocumentationPart 788
UpdateDocumentationVersion 788
UpdateDomainName 788
UpdateGatewayResponse 792
UpdateIntegration 792
UpdateIntegrationResponse 794
UpdateMethod 794
UpdateMethodResponse 795
UpdateModel 795
UpdateRequestValidator 796
UpdateResource 796
UpdateRestApi 796
UpdateStage 798
UpdateUsage 803
UpdateUsagePlan 803
UpdateVpcLink 805

Welcome

Amazon API Gateway helps developers deliver robust, secure, and scalable mobile and web application back ends. API Gateway allows developers to securely connect mobile and web applications to APIs that run on AWS Lambda, Amazon EC2, or other publicly addressable web services that are hosted outside of AWS.

This document was last published on November 2, 2026.

Actions

The following actions are supported:

- CreateApiKey
- CreateAuthorizer
- CreateBasePathMapping
- CreateDeployment
- CreateDocumentationPart
- CreateDocumentationVersion
- CreateDomainName
- CreateDomainNameAccessAssociation
- CreateModel
- CreateRequestValidator
- CreateResource
- CreateRestApi
- CreateStage
- CreateUsagePlan
- CreateUsagePlanKey
- CreateVpcLink
- DeleteApiKey
- DeleteAuthorizer
- DeleteBasePathMapping
- DeleteClientCertificate
- DeleteDeployment
- DeleteDocumentationPart
- DeleteDocumentationVersion
- DeleteDomainName
- DeleteDomainNameAccessAssociation
- DeleteGatewayResponse
- DeleteIntegration

- DeleteIntegrationResponse
- DeleteMethod
- DeleteMethodResponse
- DeleteModel
- DeleteRequestValidator
- DeleteResource
- DeleteRestApi
- DeleteStage
- DeleteUsagePlan
- DeleteUsagePlanKey
- DeleteVpcLink
- FlushStageAuthorizersCache
- FlushStageCache
- GenerateClientCertificate
- GetAccount
- GetApiKey
- GetApiKeys
- GetAuthorizer
- GetAuthorizers
- GetBasePathMapping
- GetBasePathMappings
- GetClientCertificate
- GetClientCertificates
- GetDeployment
- GetDeployments
- GetDocumentationPart
- GetDocumentationParts
- GetDocumentationVersion
- GetDocumentationVersions
- GetDomainName

- GetDomainNameAccessAssociations
- GetDomainNames
- GetExport
- GetGatewayResponse
- GetGatewayResponses
- GetIntegration
- GetIntegrationResponse
- GetMethod
- GetMethodResponse
- GetModel
- GetModels
- GetModelTemplate
- GetRequestValidator
- GetRequestValidators
- GetResource
- GetResources
- GetRestApi
- GetRestApis
- GetSdk
- GetSdkType
- GetSdkTypes
- GetStage
- GetStages
- GetTags
- GetUsage
- GetUsagePlan
- GetUsagePlanKey
- GetUsagePlanKeys
- GetUsagePlans
- GetVpcLink

- GetVpcLinks
- ImportApiKeys
- ImportDocumentationParts
- ImportRestApi
- PutGatewayResponse
- PutIntegration
- PutIntegrationResponse
- PutMethod
- PutMethodResponse
- PutRestApi
- RejectDomainNameAccessAssociation
- TagResource
- TestInvokeAuthorizer
- TestInvokeMethod
- UntagResource
- UpdateAccount
- UpdateApiKey
- UpdateAuthorizer
- UpdateBasePathMapping
- UpdateClientCertificate
- UpdateDeployment
- UpdateDocumentationPart
- UpdateDocumentationVersion
- UpdateDomainName
- UpdateGatewayResponse
- UpdateIntegration
- UpdateIntegrationResponse
- UpdateMethod
- UpdateMethodResponse
- UpdateModel

- UpdateRequestValidator
- UpdateResource
- UpdateRestApi
- UpdateStage
- UpdateUsage
- UpdateUsagePlan
- UpdateVpcLink

CreateApiKey

Create an ApiKey resource.

Request Syntax

```
POST /apikeys HTTP/1.1
Content-type: application/json

{
   "customerId": "string",
   "description": "string",
   "enabled": boolean,
   "generateDistinctId": boolean,
   "name": "string",
   "stageKeys": [
      {
         "restApiId": "string",
         "stageName": "string"
      }
   ],
   "tags": {
      "string" : "string"
   },
   "value": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

customerId

An AWS Marketplace customer identifier, when integrating with the AWS SaaS Marketplace.

Type: String

Required: No

description

The description of the ApiKey.

Type: String

Required: No

enabled

Specifies whether the ApiKey can be used by callers.

Type: Boolean

Required: No

generateDistinctId

Specifies whether (`true`) or not (`false`) the key identifier is distinct from the created API key value. This parameter is deprecated and should not be used.

Type: Boolean

Required: No

name

The name of the ApiKey.

Type: String

Required: No

stageKeys

DEPRECATED FOR USAGE PLANS - Specifies stages associated with the API key.

Type: Array of StageKey objects

Required: No

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

value

Specifies a value of the API key.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "createdDate": number,
   "customerId": "string",
   "description": "string",
   "enabled": boolean,
   "id": "string",
   "lastUpdatedDate": number,
   "name": "string",
   "stageKeys": [ "string" ],
   "tags": {
      "string" : "string"
   },
   "value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

createdDate

The timestamp when the API Key was created.

Type: Timestamp

customerId

An AWS Marketplace customer identifier, when integrating with the AWS SaaS Marketplace.

Type: String

description

The description of the API Key.

Type: String

enabled

Specifies whether the API Key can be used by callers.

Type: Boolean

id

The identifier of the API Key.

Type: String

lastUpdatedDate

The timestamp when the API Key was last updated.

Type: Timestamp

name

The name of the API Key.

Type: String

stageKeys

A list of Stage resources that are associated with the ApiKey resource.

Type: Array of strings

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

value

The value of the API Key.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create an API key

The following example creates an API key.

Sample Request

```
POST /apikeys HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T222156Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "name" : "my_api_key",
  "description" : "My API key",
  "enabled" : "false",
  "stageKeys" : [ {
    "restApiId" : "uycll6xg9a",
    "stageName" : "beta"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
apikey-{rel}.html",
      "name": "apikey",
      "templated": true
    },
    "self": {
      "href": "/apikeys/a2TprUZuzf2EKbbmMUotDaHYGg8kgxFypcarGved6"
    },
    "apikey:delete": {
      "href": "/apikeys/a2TprUZuzf2EKbbmMUotDaHYGg8kgxFypcarGved6"
    },
    "apikey:update": {
      "href": "/apikeys/a2TprUZuzf2EKbbmMUotDaHYGg8kgxFypcarGved6"
    }
  },
  "createdDate": "2016-06-08T22:21:56Z",
  "description": "My API key",
  "enabled": false,
```

```
  "id": "a2TprUZuzf2EKbbmMUotDaHYGg8kgxFypcarGved6",
  "lastUpdatedDate": "2016-06-08T22:21:56Z",
  "name": "my_api_key",
  "stageKeys": "uycll6xg9a/beta"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateAuthorizer

Adds a new Authorizer resource to an existing RestApi resource.

Request Syntax

```
POST /restapis/restapi_id/authorizers HTTP/1.1
Content-type: application/json

{
   "authorizerCredentials": "string",
   "authorizerResultTtlInSeconds": number,
   "authorizerUri": "string",
   "authType": "string",
   "identitySource": "string",
   "identityValidationExpression": "string",
   "name": "string",
   "providerARNs": [ "string" ],
   "type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

authorizerCredentials

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, specify null.

Type: String

Required: No

authorizerResultTtlInSeconds

The TTL in seconds of cached authorizer results. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway will cache authorizer responses. If this field is not set, the default value is 300. The maximum value is 3600, or 1 hour.

Type: Integer

Required: No

authorizerUri

Specifies the authorizer's Uniform Resource Identifier (URI). For `TOKEN` or `REQUEST` authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form `arn:aws:apigateway:{region}:lambda:path/{service_api}`, where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`.

Type: String

Required: No

authType

Optional customer-defined field, used in OpenAPI imports and exports without functional impact.

Type: String

Required: No

identitySource

The identity source for which authorization is requested. For a `TOKEN` or `COGNITO_USER_POOLS` authorizer, this is required and specifies the request header mapping expression for the custom header holding the authorization token submitted by the client. For example, if the token header name is `Auth`, the header mapping

expression is `method.request.header.Auth`. For the `REQUEST` authorizer, this is required when authorization caching is enabled. The value is a comma-separated string of one or more mapping expressions of the specified request parameters. For example, if an `Auth` header, a `Name` query string parameter are defined as identity sources, this value is `method.request.header.Auth, method.request.querystring.Name`. These parameters will be used to derive the authorization caching key and to perform runtime validation of the `REQUEST` authorizer by verifying all of the identity-related request parameters are present, not null and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function, otherwise, it returns a 401 Unauthorized response without calling the Lambda function. The valid value is a string of comma-separated mapping expressions of the specified request parameters. When the authorization caching is not enabled, this property is optional.

Type: String

Required: No

identityValidationExpression

A validation expression for the incoming identity token. For `TOKEN` authorizers, this value is a regular expression. For `COGNITO_USER_POOLS` authorizers, API Gateway will match the `aud` field of the incoming token from the client against the specified regular expression. It will invoke the authorizer's Lambda function when there is a match. Otherwise, it will return a 401 Unauthorized response without calling the Lambda function. The validation expression does not apply to the `REQUEST` authorizer.

Type: String

Required: No

name

The name of the authorizer.

Type: String

Required: Yes

providerARNs

A list of the Amazon Cognito user pool ARNs for the `COGNITO_USER_POOLS` authorizer. Each element is of this format: `arn:aws:cognito-idp:{region}:{account_id}:userpool/{user_pool_id}`. For a `TOKEN` or `REQUEST` authorizer, this is not defined.

Type: Array of strings

Required: No

type

The authorizer type. Valid values are `TOKEN` for a Lambda function using a single authorization token submitted in a custom header, `REQUEST` for a Lambda function using incoming request parameters, and `COGNITO_USER_POOLS` for using an Amazon Cognito user pool.

Type: String

Valid Values: `TOKEN | REQUEST | COGNITO_USER_POOLS`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "authorizerCredentials": "string",
   "authorizerResultTtlInSeconds": number,
   "authorizerUri": "string",
   "authType": "string",
   "id": "string",
   "identitySource": "string",
   "identityValidationExpression": "string",
   "name": "string",
   "providerARNs": [ "string" ],
   "type": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

authorizerCredentials

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, specify null.

Type: String

authorizerResultTtlInSeconds

The TTL in seconds of cached authorizer results. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway will cache authorizer responses. If this field is not set, the default value is 300. The maximum value is 3600, or 1 hour.

Type: Integer

authorizerUri

Specifies the authorizer's Uniform Resource Identifier (URI). For `TOKEN` or `REQUEST` authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form `arn:aws:apigateway:{region}:lambda:path/{service_api}`, where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`.

Type: String

authType

Optional customer-defined field, used in OpenAPI imports and exports without functional impact.

Type: String

id

The identifier for the authorizer resource.

Type: String

identitySource

The identity source for which authorization is requested. For a `TOKEN` or `COGNITO_USER_POOLS` authorizer, this is required and specifies the request header mapping expression for the custom header holding the authorization token submitted by the client. For example, if the token header name is `Auth`, the header mapping expression is `method.request.header.Auth`. For the `REQUEST` authorizer, this is required when authorization caching is enabled. The value is a comma-separated string of one or more mapping expressions of the specified request parameters. For example, if an `Auth` header, a `Name` query string parameter are defined as identity sources, this value is `method.request.header.Auth, method.request.querystring.Name`. These parameters will be used to derive the authorization caching key and to perform runtime validation of the `REQUEST` authorizer by verifying all of the identity-related request parameters are present, not null and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function, otherwise, it returns a 401 Unauthorized response without calling the Lambda function. The valid value is a string of comma-separated mapping expressions of the specified request parameters. When the authorization caching is not enabled, this property is optional.

Type: String

identityValidationExpression

A validation expression for the incoming identity token. For `TOKEN` authorizers, this value is a regular expression. For `COGNITO_USER_POOLS` authorizers, API Gateway will match the `aud` field of the incoming token from the client against the specified regular expression. It will invoke the authorizer's Lambda function when there is a match. Otherwise, it will return a 401 Unauthorized response without calling the Lambda function. The validation expression does not apply to the `REQUEST` authorizer.

Type: String

name

The name of the authorizer.

Type: String

providerARNs

A list of the Amazon Cognito user pool ARNs for the `COGNITO_USER_POOLS` authorizer. Each element is of this format: `arn:aws:cognito-idp:{region}:{account_id}:userpool/{user_pool_id}`. For a `TOKEN` or `REQUEST` authorizer, this is not defined.

Type: Array of strings

type

The authorizer type. Valid values are `TOKEN` for a Lambda function using a single authorization token submitted in a custom header, `REQUEST` for a Lambda function using incoming request parameters, and `COGNITO_USER_POOLS` for using an Amazon Cognito user pool.

Type: String

Valid Values: `TOKEN | REQUEST | COGNITO_USER_POOLS`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Example: Create a custom authorizer

This example illustrates one usage of CreateAuthorizer.

Sample Request

```
POST /restapis/mxsmn867vb/authorizers HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T232342Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
"authType": "custom",
"authorizerResultTtlInSeconds": 300,
"authorizerCredentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
"authorizerUri": "arn:aws:apigateway:us-east-1:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-east-1:123456789012:function:myApiAuthroizer/invocations",
"identitySource": "method.request.header.CustAuth",
"name": "my-other-cust-auth",
"type": "TOKEN"
}"
```

Sample Response

```
{
"_links": {
  "curies": {
    "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
```

```
    "name": "authorizer",
    "templated": true
  },
  "self": {
    "href": "/restapis/mxsmn867vb/authorizers/4unj71"
  },
  "authorizer:delete": {
    "href": "/restapis/mxsmn867vb/authorizers/4unj71"
  },
  "authorizer:update": {
    "href": "/restapis/mxsmn867vb/authorizers/4unj71"
  }
},
"authType": "custom",
"authorizerCredentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
"authorizerResultTtlInSeconds": 300,
"authorizerUri": "arn:aws:apigateway:us-east-1:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-east-1:123456789012:function:myApiAuthroizer/invocations",
"id": "4unj71",
"identitySource": "method.request.header.CustAuth",
"name": "my-other-cust-auth",
"type": "TOKEN"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateBasePathMapping

Creates a new BasePathMapping resource.

Request Syntax

```
POST /domainnames/domain_name/basepathmappings?domainNameId=domainNameId HTTP/1.1
Content-type: application/json

{
   "basePath": "string",
   "restApiId": "string",
   "stage": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

domain_name

The domain name of the BasePathMapping resource to create.

Required: Yes

domainNameId

The identifier for the domain name resource. Required for private custom domain names.

Request Body

The request accepts the following data in JSON format.

basePath

The base path name that callers of the API must provide as part of the URL after the domain name. This value must be unique for all of the mappings across a single API. Specify '(none)' if you do not want callers to specify a base path name after the domain name.

Type: String

Required: No

restApiId

The string identifier of the associated RestApi.

Type: String

Required: Yes

stage

The name of the API's stage that you want to use for this mapping. Specify '(none)' if you want callers to explicitly specify the stage name after any base path name.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "basePath": "string",
   "restApiId": "string",
   "stage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

basePath

The base path name that callers of the API must provide as part of the URL after the domain name.

Type: String

restApiId

The string identifier of the associated RestApi.

Type: String

stage

The name of the associated stage.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Creates base path mapping for an API

The following example request creates a `TestApi` base path that is mapped the `fugvjdxtri` API in the `stage1` stage.

Sample Request

```
POST /domainnames/a.b.c.com/basepathmappings HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T012033Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "basepath" : "TestApi",
  "restApiId" : "fugvjdxtri",
  "stage" : "stage1"
}
```

Sample Response

```
{
  "_links": {upd
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
basepathmapping-{rel}.html",
      "name": "basepathmapping",
      "templated": true
    },
    "self": {
      "href": "/domainnames/a.b.c.com/basepathmappings/TestApi"
    },
```

```
    "basepathmapping:create": {
      "href": "/domainnames/a.b.c.com/basepathmappings"
    },
    "basepathmapping:delete": {
      "href": "/domainnames/a.b.c.com/basepathmappings/TestApi"
    },
    "basepathmapping:update": {
      "href": "/domainnames/a.b.c.com/basepathmappings/TestApi"
    }
  },
  "basepath": "TestApi",
  "restApiId": "fugvjdxtri",
  "stage": "stage1"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateDeployment

Creates a Deployment resource, which makes a specified RestApi callable over the internet.

Request Syntax

```
POST /restapis/restapi_id/deployments HTTP/1.1
Content-type: application/json

{
   "cacheClusterEnabled": boolean,
   "cacheClusterSize": "string",
   "canarySettings": {
      "percentTraffic": number,
      "stageVariableOverrides": {
         "string" : "string"
      },
      "useStageCache": boolean
   },
   "description": "string",
   "stageDescription": "string",
   "stageName": "string",
   "tracingEnabled": boolean,
   "variables": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

cacheClusterEnabled

Enables a cache cluster for the Stage resource specified in the input.

Type: Boolean

Required: No

cacheClusterSize

The stage's cache capacity in GB. For more information about choosing a cache size, see Enabling API caching to enhance responsiveness.

Type: String

Valid Values: `0.5 | 1.6 | 6.1 | 13.5 | 28.4 | 58.2 | 118 | 237`

Required: No

canarySettings

The input configuration for the canary deployment when the deployment is a canary release deployment.

Type: DeploymentCanarySettings object

Required: No

description

The description for the Deployment resource to create.

Type: String

Required: No

stageDescription

The description of the Stage resource for the Deployment resource to create.

Type: String

Required: No

stageName

The name of the Stage resource for the Deployment resource to create.

Type: String

Required: No

tracingEnabled

Specifies whether active tracing with X-ray is enabled for the Stage.

Type: Boolean

Required: No

variables

A map that defines the stage variables for the Stage resource that is associated with the new deployment. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "apiSummary": {
      "string" : {
         "string" : {
            "apiKeyRequired": boolean,
            "authorizationType": "string"
         }
      }
   },
   "createdDate": number,
   "description": "string",
   "id": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

apiSummary

A summary of the RestApi at the date and time that the deployment resource was created.

Type: String to string to MethodSnapshot object map map

createdDate

The date and time that the deployment resource was created.

Type: Timestamp

description

The description for the deployment resource.

Type: String

id

The identifier for the deployment resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

ServiceUnavailableException

The requested service is not available. For details see the accompanying error message. Retry after the specified time period.

HTTP Status Code: 503

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a deployment of an API

This example illustrates one usage of CreateDeployment.

Sample Request

```
POST /restapis/fugvjdxtri/deployments HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160603T175605Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160603/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "stageName" : "stage1",
```

```
  "stageDescription" : "First stage",
  "description" : "First deployment",
  "cacheClusterEnabled" : "false",
  "variables" : {
    "sv1" : "opVar"
  }
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
      "name": "deployment",
      "templated": true
    },
    "self": {
      "href": "/restapis/fugvjdxtri/deployments/dzacq7"
    },
    "deployment:delete": {
      "href": "/restapis/fugvjdxtri/deployments/dzacq7"
    },
    "deployment:stages": {
      "href": "/restapis/fugvjdxtri/stages?deployment_id=dzacq7"
    },
    "deployment:update": {
      "href": "/restapis/fugvjdxtri/deployments/dzacq7"
    }
  },
  "createdDate": "2016-06-03T17:56:06Z",
  "description": "First deployment",
  "id": "dzacq7"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateDocumentationPart

Creates a documentation part.

Request Syntax

```
POST /restapis/restapi_id/documentation/parts HTTP/1.1
Content-type: application/json

{
   "location": {
      "method": "string",
      "name": "string",
      "path": "string",
      "statusCode": "string",
      "type": "string"
   },
   "properties": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

location

The location of the targeted API entity of the to-be-created documentation part.

Type: DocumentationPartLocation object

Required: Yes

properties

The new documentation content map of the targeted API entity. Enclosed key-value pairs are API-specific, but only OpenAPI-compliant key-value pairs can be exported and, hence, published.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "id": "string",
   "location": {
      "method": "string",
      "name": "string",
      "path": "string",
      "statusCode": "string",
      "type": "string"
   },
   "properties": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

id

The DocumentationPart identifier, generated by API Gateway when the `DocumentationPart` is created.

Type: String

location

The location of the API entity to which the documentation applies. Valid fields depend on the targeted API entity type. All the valid location fields are not required. If not explicitly specified, a valid location field is treated as a wildcard and associated documentation content may be inherited by matching entities, unless overridden.

Type: DocumentationPartLocation object

properties

A content map of API-specific key-value pairs describing the targeted API entity. The map must be encoded as a JSON string, e.g., `"{ \"description\": \"The API does ...\" }"`. Only OpenAPI-compliant documentation-related fields from the properties map are exported and, hence, published as part of the API entity definitions, while the original documentation parts are exported in a OpenAPI extension of `x-amazon-apigateway-documentation`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateDocumentationVersion

Creates a documentation version

Request Syntax

```
POST /restapis/restapi_id/documentation/versions HTTP/1.1
Content-type: application/json

{
   "description": "string",
   "documentationVersion": "string",
   "stageName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

A description about the new documentation snapshot.

Type: String

Required: No

documentationVersion

The version identifier of the new snapshot.

Type: String

Required: Yes

stageName

The stage name to be associated with the new documentation snapshot.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "createdDate": number,
   "description": "string",
   "version": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

createdDate

The date when the API documentation snapshot is created.

Type: Timestamp

description

The description of the API documentation snapshot.

Type: String

version

The version identifier of the API documentation snapshot.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateDomainName

Creates a new domain name.

Request Syntax

```
POST /domainnames HTTP/1.1
Content-type: application/json

{
   "certificateArn": "string",
   "certificateBody": "string",
   "certificateChain": "string",
   "certificateName": "string",
   "certificatePrivateKey": "string",
   "domainName": "string",
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "mutualTlsAuthentication": {
      "truststoreUri": "string",
      "truststoreVersion": "string"
   },
   "ownershipVerificationCertificateArn": "string",
   "policy": "string",
   "regionalCertificateArn": "string",
   "regionalCertificateName": "string",
   "routingMode": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

certificateArn

The reference to an AWS-managed certificate that will be used by edge-optimized endpoint or private endpoint for this domain name. AWS Certificate Manager is the only supported source.

Type: String

Required: No

certificateBody

[Deprecated] The body of the server certificate that will be used by edge-optimized endpoint or private endpoint for this domain name provided by your certificate authority.

Type: String

Required: No

certificateChain

[Deprecated] The intermediate certificates and optionally the root certificate, one after the other without any blank lines, used by an edge-optimized endpoint for this domain name. If you include the root certificate, your certificate chain must start with intermediate certificates and end with the root certificate. Use the intermediate certificates that were provided by your certificate authority. Do not include any intermediaries that are not in the chain of trust path.

Type: String

Required: No

certificateName

The user-friendly name of the certificate that will be used by edge-optimized endpoint or private endpoint for this domain name.

Type: String

Required: No

certificatePrivateKey

[Deprecated] Your edge-optimized endpoint's domain name certificate's private key.

Type: String

Required: No

domainName

The name of the DomainName resource.

Type: String

Required: Yes

endpointAccessMode

The endpoint access mode of the DomainName. Only available for DomainNames that use security policies that start with `SecurityPolicy_`.

Type: String

Valid Values: `BASIC | STRICT`

Required: No

endpointConfiguration

The endpoint configuration of this DomainName showing the endpoint types and IP address types of the domain name.

Type: EndpointConfiguration object

Required: No

mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Type: MutualTlsAuthenticationInput object

Required: No

ownershipVerificationCertificateArn

The ARN of the public certificate issued by ACM to validate ownership of your custom domain. Only required when configuring mutual TLS and using an ACM imported or private CA certificate ARN as the regionalCertificateArn.

Type: String

Required: No

policy

A stringified JSON policy document that applies to the `execute-api` service for this DomainName regardless of the caller and Method configuration. Supported only for private custom domain names.

Type: String

Required: No

regionalCertificateArn

The reference to an AWS-managed certificate that will be used by regional endpoint for this domain name. AWS Certificate Manager is the only supported source.

Type: String

Required: No

regionalCertificateName

The user-friendly name of the certificate that will be used by regional endpoint for this domain name.

Type: String

Required: No

routingMode

The routing mode for this domain name. The routing mode determines how API Gateway sends traffic from your custom domain name to your APIs.

Type: String

Valid Values: `BASE_PATH_MAPPING_ONLY | ROUTING_RULE_ONLY | ROUTING_RULE_THEN_BASE_PATH_MAPPING`

Required: No

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this DomainName.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

Required: No

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "certificateArn": "string",
   "certificateName": "string",
   "certificateUploadDate": number,
   "distributionDomainName": "string",
   "distributionHostedZoneId": "string",
   "domainName": "string",
   "domainNameArn": "string",
   "domainNameId": "string",
   "domainNameStatus": "string",
   "domainNameStatusMessage": "string",
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
```

```
   },
   "managementPolicy": "string",
   "mutualTlsAuthentication": {
      "truststoreUri": "string",
      "truststoreVersion": "string",
      "truststoreWarnings": [ "string" ]
   },
   "ownershipVerificationCertificateArn": "string",
   "policy": "string",
   "regionalCertificateArn": "string",
   "regionalCertificateName": "string",
   "regionalDomainName": "string",
   "regionalHostedZoneId": "string",
   "routingMode": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

certificateArn

The reference to an AWS-managed certificate that will be used by edge-optimized endpoint or private endpoint for this domain name. AWS Certificate Manager is the only supported source.

Type: String

certificateName

The name of the certificate that will be used by edge-optimized endpoint or private endpoint for this domain name.

Type: String

certificateUploadDate

The timestamp when the certificate that was used by edge-optimized endpoint or private endpoint for this domain name was uploaded.

Type: Timestamp

distributionDomainName

The domain name of the Amazon CloudFront distribution associated with this custom domain name for an edge-optimized endpoint. You set up this association when adding a DNS record pointing the custom domain name to this distribution name. For more information about CloudFront distributions, see the Amazon CloudFront documentation.

Type: String

distributionHostedZoneId

The region-agnostic Amazon Route 53 Hosted Zone ID of the edge-optimized endpoint. The valid value is `Z2FDTNDATAQYW2` for all the regions. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

domainName

The custom domain name as an API host name, for example, `my-api.example.com`.

Type: String

domainNameArn

The ARN of the domain name.

Type: String

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Type: String

domainNameStatus

The status of the DomainName migration. The valid values are `AVAILABLE` and `UPDATING`. If the status is `UPDATING`, the domain cannot be modified further until the existing operation is complete. If it is `AVAILABLE`, the domain can be updated.

Type: String

Valid Values: `AVAILABLE | UPDATING | PENDING | PENDING_CERTIFICATE_REIMPORT | PENDING_OWNERSHIP_VERIFICATION | FAILED`

domainNameStatusMessage

An optional text message containing detailed information about status of the DomainName migration.

Type: String

endpointAccessMode

The endpoint access mode of the DomainName.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this DomainName showing the endpoint types and IP address types of the domain name.

Type: EndpointConfiguration object

managementPolicy

A stringified JSON policy document that applies to the API Gateway Management service for this DomainName. This policy document controls access for access association sources to create domain name access associations with this DomainName. Supported only for private custom domain names.

Type: String

mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Type: MutualTlsAuthentication object

ownershipVerificationCertificateArn

The ARN of the public certificate issued by ACM to validate ownership of your custom domain. Only required when configuring mutual TLS and using an ACM imported or private CA certificate ARN as the regionalCertificateArn.

Type: String

policy

A stringified JSON policy document that applies to the `execute-api` service for this DomainName regardless of the caller and Method configuration. Supported only for private custom domain names.

Type: String

regionalCertificateArn

The reference to an AWS-managed certificate that will be used for validating the regional domain name. AWS Certificate Manager is the only supported source.

Type: String

regionalCertificateName

The name of the certificate that will be used for validating the regional domain name.

Type: String

regionalDomainName

The domain name associated with the regional endpoint for this custom domain name. You set up this association by adding a DNS record that points the custom domain name to this regional domain name. The regional domain name is returned by API Gateway when you create a regional endpoint.

Type: String

regionalHostedZoneId

The region-specific Amazon Route 53 Hosted Zone ID of the regional endpoint. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

routingMode

The routing mode for this domain name. The routing mode determines how API Gateway sends traffic from your custom domain name to your APIs.

Type: String

Valid Values: `BASE_PATH_MAPPING_ONLY | ROUTING_RULE_ONLY | ROUTING_RULE_THEN_BASE_PATH_MAPPING`

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this DomainName.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a domain name

This example illustrates one usage of CreateDomainName.

Sample Request

```
POST /domainnames HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T211441Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "domainName" : "my-api.example.com",
  "certificateName": "my-cert-created-today",
  "certificateArn": "arn:aws:acm:us-east-1:012345678910:certificate/fb1b9770-a305-495d-
aefb-27e5e101ff3",
  "endpointConfiguration": {
    "types": ["EDGE"]
  }
}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
basepathmapping-{rel}.html",
        "name": "basepathmapping",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
domainname-{rel}.html",
        "name": "domainname",
        "templated": true
      }
    ],
    "self": {
      "href": "/domainnames/my-api.example.com"
    },
    "basepathmapping:by-base-path": {
      "href": "/domainnames/my-api.example.com/basepathmappings/{base_path}",
      "templated": true
    },
    "basepathmapping:create": {
      "href": "/domainnames/my-api.example.com/basepathmappings"
    },
    "domainname:basepathmappings": {
      "href": "/domainnames/my-api.example.com/basepathmappings{?limit}",
      "templated": true
    },
    "domainname:delete": {
      "href": "/domainnames/my-api.example.com"
    },
    "domainname:update": {
      "href": "/domainnames/my-api.example.com"
    }
  },
  "certificateArn": "arn:aws:acm:us-east-1:012345678910:certificate/fb1b9770-a305-495d-
aefb-27e5e101ff3",
  "certificateName": "my-cert-created-today",
  "certificateUploadDate": "2016-06-15T21:14:43Z",
  "distributionDomainName": "d2ck2x1vuc8qzh.cloudfront.net",
```

```
  "domainName": "my-api.example.com"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateDomainNameAccessAssociation

Creates a domain name access association resource between an access association source and a private custom domain name.

Request Syntax

```
POST /domainnameaccessassociations HTTP/1.1
Content-type: application/json

{
   "accessAssociationSource": "string",
   "accessAssociationSourceType": "string",
   "domainNameArn": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accessAssociationSource

The identifier of the domain name access association source. For a VPCE, the value is the VPC endpoint ID.

Type: String

Required: Yes

accessAssociationSourceType

The type of the domain name access association source.

Type: String

Valid Values: VPCE

Required: Yes

domainNameArn

The ARN of the domain name.

Type: String

Required: Yes

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "accessAssociationSource": "string",
   "accessAssociationSourceType": "string",
   "domainNameAccessAssociationArn": "string",
   "domainNameArn": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

accessAssociationSource

The identifier of the domain name access association source. For a VPCE, the value is the VPC endpoint ID.

Type: String

accessAssociationSourceType

The type of the domain name access association source.

Type: String

Valid Values: VPCE

domainNameAccessAssociationArn

The ARN of the domain name access association resource.

Type: String

domainNameArn

The ARN of the domain name.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a domain name access association

This example illustrates one usage of CreateDomainNameAccessAssociation.

Sample Request

```
POST /domainnameaccessassociation HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T200249Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
   "accessAssociationSource": "vpce-abcd1234",
   "accessAssociationSourceType": "VPCE",
   "domainNameArn": "arn:aws:apigateway:us-east-1:012345678910:/domainnames/
private.a.b.c.com+abcd1234"
```

```
}
```

Sample Response

```
{
    "_links": {
        "curies": {
            "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/
domainnameaccessassociation-domainname-{rel}.html",
            "name": "domainnameaccessassociation",
            "templated": true
        },
        "self": {
            "href": "/domainnameaccessassociations?limit=10"
        },
        "domainnameaccessassociation:create": {
            "href": "/domainnameaccessassociations"
        },
        "item": {
            "href": "/domainnameaccessassociations/arn:aws:apigateway:us-
east-1:012345678910:/domainnameaccessassociations/domainname/private.a.b.c.com
+abcd1234/vpcesource/vpce-abcd1234"
        }
    },
    "_embedded": {
        "item": {
            "_links": {
                "self": {
                    "href": "/domainnameaccessassociations/arn:aws:apigateway:us-
east-1:012345678910:/domainnameaccessassociations/domainname/private.a.b.c.com
+abcd1234/vpcesource/vpce-abcd1234"
                }
            },
            "accessAssociationSource": "vpce-abcd1234",
            "accessAssociationSourceType": "VPCE",
            "domainNameAccessAssociationArn": "arn:aws:apigateway:us-
east-1:012345678910:/domainnameaccessassociations/domainname/private.a.b.c.com
+abcd1234/vpcesource/vpce-abcd1234",
            "domainNameArn": "arn:aws:apigateway:us-east-1:012345678910:/domainnames/
private.a.b.c.com+abcd1234"
        }
    }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateModel

Adds a new Model resource to an existing RestApi resource.

Request Syntax

```
POST /restapis/restapi_id/models HTTP/1.1
Content-type: application/json

{
   "contentType": "string",
   "description": "string",
   "name": "string",
   "schema": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The RestApi identifier under which the Model will be created.

Required: Yes

Request Body

The request accepts the following data in JSON format.

contentType

The content-type for the model.

Type: String

Required: Yes

description

The description of the model.

Type: String

Required: No

name

The name of the model. Must be alphanumeric.

Type: String

Required: Yes

schema

The schema for the model. For `application/json` models, this should be JSON schema draft 4 model. The maximum size of the model is 400 KB.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "contentType": "string",
   "description": "string",
   "id": "string",
   "name": "string",
   "schema": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

contentType

The content-type for the model.

Type: String

description

The description of the model.

Type: String

id

The identifier for the model resource.

Type: String

name

The name of the model. Must be an alphanumeric string.

Type: String

schema

The schema for the model. For `application/json` models, this should be JSON schema draft 4 model. Do not include "*/" characters in the description of any properties because such "*/" characters may be interpreted as the closing marker for comments in some languages, such as Java or JavaScript, causing the installation of your API's SDK generated by API Gateway to fail.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a model

This example illustrates one usage of CreateModel.

Sample Request

```
POST /restapis/uojnr9hd57/models HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160614T173659Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160614/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "name" : "CalcOutput",
  "description" : "Calc output model",
  "schema" : "{\n\t\"title\": \"Calc output\",\n\t\"type\": \"object\",\n\t\"properties
\": {\n\t\t\"a\": {\n\t\t\t\"type\": \"number\"\n\t\t},\n\t\t\"b\": {\n\t\t\t\"type\":
 \"number\"\n\t\t},\n\t\t\"op\": {\n\t\t\t\"description\": \"operation of +, -, * or /
\",\n\t\t\t\"type\": \"string\"\n\t\t},\n\t\t\"c\": {\n\t\t    \"type\": \"number\"\n\t
\t}\n\t},\n\t\"required\": [\"a\", \"b\", \"op\"]\n}\n",
  "contentType" : "application/json"
```

```
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
      "name": "model",
      "templated": true
    },
    "self": {
      "href": "/restapis/uojnr9hd57/models/CalcOutput?flatten=false"
    },
    "model:create": {
      "href": "/restapis/uojnr9hd57/models"
    },
    "model:delete": {
      "href": "/restapis/uojnr9hd57/models/CalcOutput"
    },
    "model:generate-template": {
      "href": "/restapis/uojnr9hd57/models/CalcOutput/default_template"
    },
    "model:update": {
      "href": "/restapis/uojnr9hd57/models/CalcOutput"
    }
  },
  "contentType": "application/json",
  "description": "Calc output model",
  "id": "mzy1a0",
  "name": "CalcOutput",
  "schema": "{\n\t\"title\": \"Calc output\",\n\t\"type\": \"object\",\n\t\"properties
\": {\n\t\t\"a\": {\n\t\t\t\"type\": \"number\"\n\t\t},\n\t\t\"b\": {\n\t\t\t\"type\":
 \"number\"\n\t\t},\n\t\t\"op\": {\n\t\t\t\"description\": \"operation of +, -, * or /
\",\n\t\t\t\"type\": \"string\"\n\t\t},\n\t\t\"c\": {\n\t\t    \"type\": \"number\"\n\t
\t}\n\t},\n\t\"required\": [\"a\", \"b\", \"op\"]\n}\n"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRequestValidator

Creates a RequestValidator of a given RestApi.

Request Syntax

```
POST /restapis/restapi_id/requestvalidators HTTP/1.1
Content-type: application/json

{
   "name": "string",
   "validateRequestBody": boolean,
   "validateRequestParameters": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

name

The name of the to-be-created RequestValidator.

Type: String

Required: No

validateRequestBody

A Boolean flag to indicate whether to validate request body according to the configured model schema for the method (`true`) or not (`false`).

Type: Boolean

Required: No

validateRequestParameters

A Boolean flag to indicate whether to validate request parameters, `true`, or not `false`.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "id": "string",
   "name": "string",
   "validateRequestBody": boolean,
   "validateRequestParameters": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

id

The identifier of this RequestValidator.

Type: String

name

The name of this RequestValidator

Type: String

validateRequestBody

A Boolean flag to indicate whether to validate a request body according to the configured Model schema.

Type: Boolean

validateRequestParameters

A Boolean flag to indicate whether to validate request parameters (`true`) or not (`false`).

Type: Boolean

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a RequestValidator for an API to validate required request payloads

This example illustrates one usage of CreateRequestValidator.

Sample Request

```
POST /restapis/mkhqppt4e4/requestvalidators HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T172652Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "name" : "body-only",
  "validateRequestBody" : "true",
  "validateRequestParameters" : "false"
}
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/3n5aa0"
    },
    "request-validator-delete": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/3n5aa0"
    },
    "request-validator-update": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/3n5aa0"
```

```
    }
  },
  "id": "3n5aa0",
  "name": "body-only",
  "validateRequestBody": true,
  "validateRequestParameters": false
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateResource

Creates a Resource resource.

Request Syntax

```
POST /restapis/restapi_id/resources/parent_id HTTP/1.1
Content-type: application/json

{
   "pathPart": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

parent_id

The parent resource's identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

pathPart

The last path segment for this resource.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "id": "string",
   "parentId": "string",
   "path": "string",
   "pathPart": "string",
   "resourceMethods": {
      "string" : {
         "apiKeyRequired": boolean,
         "authorizationScopes": [ "string" ],
         "authorizationType": "string",
         "authorizerId": "string",
         "httpMethod": "string",
         "methodIntegration": {
            "cacheKeyParameters": [ "string" ],
            "cacheNamespace": "string",
            "connectionId": "string",
            "connectionType": "string",
            "contentHandling": "string",
            "credentials": "string",
            "httpMethod": "string",
            "integrationResponses": {
               "string" : {
                  "contentHandling": "string",
                  "responseParameters": {
                     "string" : "string"
                  },
                  "responseTemplates": {
                     "string" : "string"
                  },
                  "selectionPattern": "string",
                  "statusCode": "string"
               }
            },
            "integrationTarget": "string",
            "passthroughBehavior": "string",
            "requestParameters": {
               "string" : "string"
            },
```

```
            "requestTemplates": {
               "string" : "string"
            },
            "responseTransferMode": "string",
            "timeoutInMillis": number,
            "tlsConfig": {
               "insecureSkipVerification": boolean
            },
            "type": "string",
            "uri": "string"
         },
         "methodResponses": {
            "string" : {
               "responseModels": {
                  "string" : "string"
               },
               "responseParameters": {
                  "string" : boolean
               },
               "statusCode": "string"
            }
         },
         "operationName": "string",
         "requestModels": {
            "string" : "string"
         },
         "requestParameters": {
            "string" : boolean
         },
         "requestValidatorId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

id

The resource's identifier.

Type: String

parentId

The parent resource's identifier.

Type: String

path

The full path for this resource.

Type: String

pathPart

The last path segment for this resource.

Type: String

resourceMethods

Gets an API resource's method of a given HTTP verb.

Type: String to Method object map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a child resource under an API's root resource

This example illustrates one usage of CreateResource.

Sample Request

```
POST /restapis/fugvjdxtri/resources/3kzxbg5sa2 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T010429Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "pathPart" : "res1"
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
```

```
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-{rel}.html",
        "name": "method",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources/47rxl6"
    },
    "method:by-http-method": {
      "href": "/restapis/fugvjdxtri/resources/47rxl6/methods/{http_method}",
      "templated": true
    },
    "method:put": {
      "href": "/restapis/fugvjdxtri/resources/47rxl6/methods/{http_method}",
      "templated": true
    },
    "resource:create-child": {
      "href": "/restapis/fugvjdxtri/resources/47rxl6"
    },
    "resource:delete": {
      "href": "/restapis/fugvjdxtri/resources/47rxl6"
    },
    "resource:update": {
      "href": "/restapis/fugvjdxtri/resources/47rxl6"
    }
  },
  "id": "47rxl6",
  "parentId": "3kzxbg5sa2",
  "path": "/res1",
  "pathPart": "res1"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRestApi

Creates a new RestApi resource.

Request Syntax

```
POST /restapis HTTP/1.1
Content-type: application/json

{
   "apiKeySource": "string",
   "binaryMediaTypes": [ "string" ],
   "cloneFrom": "string",
   "description": "string",
   "disableExecuteApiEndpoint": boolean,
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "minimumCompressionSize": number,
   "name": "string",
   "policy": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   },
   "version": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: `HEADER` to read the API key from the `X-API-Key` header of a request. `AUTHORIZER` to read the API key from the `UsageIdentifierKey` from a custom authorizer.

Type: String

Valid Values: `HEADER` | `AUTHORIZER`

Required: No

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

Required: No

cloneFrom

The ID of the RestApi that you want to clone from.

Type: String

Required: No

description

The description of the RestApi.

Type: String

Required: No

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint

Type: Boolean

Required: No

endpointAccessMode

The endpoint access mode of the RestApi. Only available for RestApis that use security policies that start with `SecurityPolicy_`.

Type: String

Valid Values: `BASIC | STRICT`

Required: No

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

Required: No

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

Required: No

name

The name of the RestApi.

Type: String

Required: Yes

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

Required: No

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

Required: No

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

version

A version identifier for the API.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{
   "apiKeySource": "string",
   "apiStatus": "string",
   "apiStatusMessage": "string",
   "binaryMediaTypes": [ "string" ],
   "createdDate": number,
   "description": "string",
   "disableExecuteApiEndpoint": boolean,
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "id": "string",
   "minimumCompressionSize": number,
   "name": "string",
   "policy": "string",
   "rootResourceId": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   },
   "version": "string",
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: >HEADER to read the API key from the X-API-Key header of a request. AUTHORIZER to read the API key from the UsageIdentifierKey from a custom authorizer.

Type: String

Valid Values: HEADER | AUTHORIZER

apiStatus

The ApiStatus of the RestApi.

Type: String

Valid Values: `UPDATING | AVAILABLE | PENDING | FAILED`

apiStatusMessage

The status message of the RestApi. When the status message is `UPDATING` you can still invoke it.

Type: String

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

createdDate

The timestamp when the API was created.

Type: Timestamp

description

The API's description.

Type: String

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

Type: Boolean

endpointAccessMode

The endpoint access mode of the RestApi.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

id

The API's identifier. This identifier is unique across all of your APIs in API Gateway.

Type: String

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

name

The API's name.

Type: String

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

rootResourceId

The API's root resource ID.

Type: String

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

version

A version identifier for the API.

Type: String

warnings

The warning messages reported when `failonwarnings` is turned on during API import.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a new API

This example illustrates one usage of CreateRestApi.

Sample Request

```
POST /restapis HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160601T185340Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160601/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "name" : "my-test-api",
    "description" : "A sample API created programmatically by calling API Gateway
 control service using the REST API"
}
```

Sample Response


```
{
  "_links": {
    "curies": [
       ...
    ],
    "self": {
      "href": "/restapis/fugvjdxtri"
    },
    "authorizer:by-id": {
      "href": "/restapis/fugvjdxtri/authorizers/{authorizer_id}",
      "templated": true
    },
    "authorizer:create": {
      "href": "/restapis/fugvjdxtri/authorizers"
    },
    "deployment:by-id": {
      "href": "/restapis/fugvjdxtri/deployments/{deployment_id}{?embed}",
      "templated": true
    },
    "deployment:create": {
      "href": "/restapis/fugvjdxtri/deployments"
    },
    "model:by-name": {
      "href": "/restapis/fugvjdxtri/models/{model_name}?flatten=false",
      "templated": true
    },
    "model:create": {
      "href": "/restapis/fugvjdxtri/models"
    },
    "resource:by-id": {
      "href": "/restapis/fugvjdxtri/resources/{resource_id}{?embed}",
      "templated": true
    },
    "resource:create": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
    },
    "restapi:authorizers": {
      "href": "/restapis/fugvjdxtri/authorizers"
    },
    "restapi:delete": {
      "href": "/restapis/fugvjdxtri"
    },
```

```
    "restapi:deployments": {
      "href": "/restapis/fugvjdxtri/deployments{?limit}",
      "templated": true
    },
    "restapi:models": {
      "href": "/restapis/fugvjdxtri/models"
    },
    "restapi:resources": {
      "href": "/restapis/fugvjdxtri/resources{?limit,embed}",
      "templated": true
    },
    "restapi:stages": {
      "href": "/restapis/fugvjdxtri/stages{?deployment_id}",
      "templated": true
    },
    "restapi:update": {
      "href": "/restapis/fugvjdxtri"
    },
    "stage:by-name": {
      "href": "/restapis/fugvjdxtri/stages/{stage_name}",
      "templated": true
    },
    "stage:create": {
      "href": "/restapis/fugvjdxtri/stages"
    }
  },
  "createdDate": "2016-06-01T18:53:41Z",
  "description": "A sample API created programmatically by calling API Gateway control
 service using the REST API",
  "id": "fugvjdxtri",
  "name": "my-test-api"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateStage

Creates a new Stage resource that references a pre-existing Deployment for the API.

Request Syntax

```
POST /restapis/restapi_id/stages HTTP/1.1
Content-type: application/json

{
   "cacheClusterEnabled": boolean,
   "cacheClusterSize": "string",
   "canarySettings": {
      "deploymentId": "string",
      "percentTraffic": number,
      "stageVariableOverrides": {
         "string" : "string"
      },
      "useStageCache": boolean
   },
   "deploymentId": "string",
   "description": "string",
   "documentationVersion": "string",
   "stageName": "string",
   "tags": {
      "string" : "string"
   },
   "tracingEnabled": boolean,
   "variables": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

cacheClusterEnabled

Whether cache clustering is enabled for the stage.

Type: Boolean

Required: No

cacheClusterSize

The stage's cache capacity in GB. For more information about choosing a cache size, see Enabling API caching to enhance responsiveness.

Type: String

Valid Values: `0.5 | 1.6 | 6.1 | 13.5 | 28.4 | 58.2 | 118 | 237`

Required: No

canarySettings

The canary deployment settings of this stage.

Type: CanarySettings object

Required: No

deploymentId

The identifier of the Deployment resource for the Stage resource.

Type: String

Required: Yes

description

The description of the Stage resource.

Type: String

Required: No

documentationVersion

The version of the associated API documentation.

Type: String

Required: No

stageName

The name for the Stage resource. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.

Type: String

Required: Yes

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

tracingEnabled

Specifies whether active tracing with X-ray is enabled for the Stage.

Type: Boolean

Required: No

variables

A map that defines the stage variables for the new Stage resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "accessLogSettings": {
      "destinationArn": "string",
      "format": "string"
   },
   "cacheClusterEnabled": boolean,
   "cacheClusterSize": "string",
   "cacheClusterStatus": "string",
   "canarySettings": {
      "deploymentId": "string",
      "percentTraffic": number,
      "stageVariableOverrides": {
         "string" : "string"
      },
      "useStageCache": boolean
   },
   "clientCertificateId": "string",
   "createdDate": number,
   "deploymentId": "string",
   "description": "string",
   "documentationVersion": "string",
   "lastUpdatedDate": number,
   "methodSettings": {
      "string" : {
         "cacheDataEncrypted": boolean,
         "cacheTtlInSeconds": number,
         "cachingEnabled": boolean,
         "dataTraceEnabled": boolean,
         "loggingLevel": "string",
         "metricsEnabled": boolean,
         "requireAuthorizationForCacheControl": boolean,
         "throttlingBurstLimit": number,
         "throttlingRateLimit": number,
         "unauthorizedCacheControlHeaderStrategy": "string"
      }
   },
   "stageName": "string",
   "tags": {
```

```
      "string" : "string"
   },
   "tracingEnabled": boolean,
   "variables": {
      "string" : "string"
   },
   "webAclArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

accessLogSettings

Settings for logging access in this stage.

Type: AccessLogSettings object

cacheClusterEnabled

Specifies whether a cache cluster is enabled for the stage. To activate a method-level cache, set `CachingEnabled` to `true` for a method.

Type: Boolean

cacheClusterSize

The stage's cache capacity in GB. For more information about choosing a cache size, see Enabling API caching to enhance responsiveness.

Type: String

Valid Values: `0.5 | 1.6 | 6.1 | 13.5 | 28.4 | 58.2 | 118 | 237`

cacheClusterStatus

The status of the cache cluster for the stage, if enabled.

Type: String

Valid Values: `CREATE_IN_PROGRESS | AVAILABLE | DELETE_IN_PROGRESS | NOT_AVAILABLE | FLUSH_IN_PROGRESS`

canarySettings

Settings for the canary deployment in this stage.

Type: CanarySettings object

clientCertificateId

The identifier of a client certificate for an API stage.

Type: String

createdDate

The timestamp when the stage was created.

Type: Timestamp

deploymentId

The identifier of the Deployment that the stage points to.

Type: String

description

The stage's description.

Type: String

documentationVersion

The version of the associated API documentation.

Type: String

lastUpdatedDate

The timestamp when the stage last updated.

Type: Timestamp

methodSettings

A map that defines the method settings for a Stage resource. Keys (designated as `/{method_setting_key` below) are method paths defined as `{resource_path}/{http_method}` for an individual method override, or `/\*/\*` for overriding all methods in the stage.

Type: String to MethodSetting object map

stageName

The name of the stage is the first path segment in the Uniform Resource Identifier (URI) of a call to API Gateway. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

tracingEnabled

Specifies whether active tracing with X-ray is enabled for the Stage.

Type: Boolean

variables

A map that defines the stage variables for a Stage resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

Type: String to string map

webAclArn

The ARN of the WebAcl associated with the Stage.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a new stage for a deployed API

This example illustrates one usage of CreateStage.

Sample Request

```
POST /restapis/uycll6xg9a/stages HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T200249Z
```

```
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "stageName" : "alpha",
  "deploymentId" : "vakw79",
  "description" : "alpha stage",
  "cacheClusterEnabled" : "true",
  "cacheClusterSize" : "0.5",
  "variables" : {
    "sv_1" : "value_1",
    "sv_2" : "value_2"
  }
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
      "name": "stage",
      "templated": true
    },
    "self": {
      "href": "/restapis/uycll6xg9a/stages/alpha"
    },
    "stage:delete": {
      "href": "/restapis/uycll6xg9a/stages/alpha"
    },
    "stage:flush-authorizer-cache": {
      "href": "/restapis/uycll6xg9a/stages/alpha/cache/authorizers"
    },
    "stage:flush-cache": {
      "href": "/restapis/uycll6xg9a/stages/alpha/cache/data"
    },
    "stage:update": {
      "href": "/restapis/uycll6xg9a/stages/alpha"
    }
  },
  "cacheClusterEnabled": true,
```

```
  "cacheClusterSize": "0.5",
  "cacheClusterStatus": "CREATE_IN_PROGRESS",
  "createdDate": "2016-06-08T20:02:50Z",
  "deploymentId": "vakw79",
  "description": "alpha stage",
  "lastUpdatedDate": "2016-06-08T20:02:50Z",
  "methodSettings": {},
  "stageName": "alpha",
  "variables": {
    "sv_2": "value_2",
    "sv_1": "value_1"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateUsagePlan

Creates a usage plan with the throttle and quota limits, as well as the associated API stages, specified in the payload.

Request Syntax

```
POST /usageplans HTTP/1.1
Content-type: application/json

{
   "apiStages": [
      {
         "apiId": "string",
         "stage": "string",
         "throttle": {
            "string" : {
               "burstLimit": number,
               "rateLimit": number
            }
         }
      }
   ],
   "description": "string",
   "name": "string",
   "quota": {
      "limit": number,
      "offset": number,
      "period": "string"
   },
   "tags": {
      "string" : "string"
   },
   "throttle": {
      "burstLimit": number,
      "rateLimit": number
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiStages

The associated API stages of the usage plan.

Type: Array of ApiStage objects

Required: No

description

The description of the usage plan.

Type: String

Required: No

name

The name of the usage plan.

Type: String

Required: Yes

quota

The quota of the usage plan.

Type: QuotaSettings object

Required: No

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

throttle

The throttling limits of the usage plan.

Type: ThrottleSettings object

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "apiStages": [
      {
         "apiId": "string",
         "stage": "string",
         "throttle": {
            "string" : {
               "burstLimit": number,
               "rateLimit": number
            }
         }
      }
   ],
   "description": "string",
   "id": "string",
   "name": "string",
   "productCode": "string",
   "quota": {
      "limit": number,
      "offset": number,
      "period": "string"
   },
   "tags": {
      "string" : "string"
   },
   "throttle": {
      "burstLimit": number,
      "rateLimit": number
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

apiStages

The associated API stages of a usage plan.

Type: Array of ApiStage objects

description

The description of a usage plan.

Type: String

id

The identifier of a UsagePlan resource.

Type: String

name

The name of a usage plan.

Type: String

productCode

The AWS Marketplace product identifier to associate with the usage plan as a SaaS product on the AWS Marketplace.

Type: String

quota

The target maximum number of permitted requests per a given unit time interval.

Type: QuotaSettings object

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

throttle

A map containing method level throttling information for API stage in a usage plan.

Type: ThrottleSettings object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a usage plan

This example illustrates one usage of CreateUsagePlan.

Sample Request

```
POST /usageplans HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160805T013511Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160805/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sigv4_hash}
Cache-Control: no-cache
Postman-Token: c3ffa588-50e0-aa0c-234e-f191671564a9

{
  "name": "Plan_G",
  "description": "my plan",
  "apiStages": [ {
    "stage": "testStage",
    "apiId": "kdwpu39c2k"
  }],
  "quota": {
    "period": "DAY",
    "offset": 0,
    "limit": 500
  },
  "throttle": {
    "rateLimit": 100,
    "burstLimit": 200
  }
}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usage-{rel}.html",
        "name": "usage",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplan-{rel}.html",
        "name": "usageplan",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplankey-{rel}.html",
        "name": "usageplankey",
        "templated": true
      }
    ],
    "self": {
      "href": "/usageplans/1puccm"
    },
    "usage:get": {
      "href": "/usageplans/1puccm/usage?startDate=2016-07-06&endDate=2016-08-05"
    },
    "usageplan:delete": {
      "href": "/usageplans/1puccm"
    },
    "usageplan:update": {
      "href": "/usageplans/1puccm"
    },
    "usageplan:usageplankeys": {
      "href": "/usageplans/1puccm/keys"
    },
    "usageplankey:create": {
      "href": "/usageplans/1puccm/keys"
    }
  },
  "apiStages": {
```

```
    "stage": "testStage",
    "apiId": "kdwpu39c2k"
  },
  "description": "my plan",
  "id": "1puccm",
  "name": "Plan_G",
  "quota": {
    "period": "DAY",
    "offset": 0,
    "limit": 500
  },
  "throttle": {
    "rateLimit": 100,
    "burstLimit": 200
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateUsagePlanKey

Creates a usage plan key for adding an existing API key to a usage plan.

Request Syntax

```
POST /usageplans/usageplanId/keys HTTP/1.1
Content-type: application/json

{
   "keyId": "string",
   "keyType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

usageplanId

The Id of the UsagePlan resource representing the usage plan containing the to-be-created UsagePlanKey resource representing a plan customer.

Required: Yes

Request Body

The request accepts the following data in JSON format.

keyId

The identifier of a UsagePlanKey resource for a plan customer.

Type: String

Required: Yes

keyType

The type of a UsagePlanKey resource for a plan customer.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "id": "string",
   "name": "string",
   "type": "string",
   "value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

id

The Id of a usage plan key.

Type: String

name

The name of a usage plan key.

Type: String

type

The type of a usage plan key. Currently, the valid key type is `API_KEY`.

Type: String

value

The value of a usage plan key.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a usage plan key

This example illustrates one usage of CreateUsagePlanKey.

Sample Request

```
POST /usageplans/n371pt/keys HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160805T181755Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160805/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sigv4_hash}

{
    "keyId": "q5ugs7qjjh",
    "keyType": "API_KEY"
}
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/usageplans/n371pt/keys/q5ugs7qjjh"
    }
  },
  "id": "q5ugs7qjjh",
  "name": " importedKey_2",
  "type": "API_KEY"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateVpcLink

Creates a VPC link, under the caller's account in a selected region, in an asynchronous operation that typically takes 2-4 minutes to complete and become operational. The caller must have permissions to create and update VPC Endpoint services.

Request Syntax

```
POST /vpclinks HTTP/1.1
Content-type: application/json

{
   "description": "string",
   "name": "string",
   "tags": {
      "string" : "string"
   },
   "targetArns": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

description

The description of the VPC link.

Type: String

Required: No

name

The name used to label and identify the VPC link.

Type: String

Required: Yes

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

targetArns

The ARN of the network load balancer of the VPC targeted by the VPC link. The network load balancer must be owned by the same AWS account of the API owner.

Type: Array of strings

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "description": "string",
   "id": "string",
   "name": "string",
   "status": "string",
   "statusMessage": "string",
   "tags": {
      "string" : "string"
   },
   "targetArns": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

description

The description of the VPC link.

Type: String

id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Type: String

name

The name used to label and identify the VPC link.

Type: String

status

The status of the VPC link. The valid values are `AVAILABLE`, `PENDING`, `DELETING`, or `FAILED`. Deploying an API will wait if the status is `PENDING` and will fail if the status is `DELETING`.

Type: String

Valid Values: `AVAILABLE | PENDING | DELETING | FAILED`

statusMessage

A description about the VPC link status.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

targetArns

The ARN of the network load balancer of the VPC targeted by the VPC link. The network load balancer must be owned by the same AWS account of the API owner.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a VPC link

This example illustrates one usage of CreateVpcLink.

Sample Request

```
POST /vpclinks HTTP/1.1
Content-Type: application/json
```

```
Host: apigateway.us-eas-t.amazonaws.com
Content-Length: ...
X-Amz-Date: 20160801T235803Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160801/ap-southeast-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sigv4_hash}

{
    "name":"my-test-vpc-link",
    "targetArns": ["arn:aws:elasticloadbalancing:us-east-1:123456789012:loadbalancer/
net/my-vpclink-test-nlb/1f8df693cd094a72"]
}
```

Sample Response

```
{
    "id": "gim7c3",
    "name": "my-test-vpc-link",
    "status": "PENDING",
    "targetArns": "arn:aws:elasticloadbalancing:us-east-1:123456789012:loadbalancer/
net/my-vpclink-test-nlb/1f8df693cd094a72"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteApiKey

Deletes the ApiKey resource.

Request Syntax

```
DELETE /apikeys/api_Key HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

api_Key

The identifier of the ApiKey resource to be deleted.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteAuthorizer

Deletes an existing Authorizer resource.

Request Syntax

```
DELETE /restapis/restapi_id/authorizers/authorizer_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

authorizer_id

The identifier of the Authorizer resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBasePathMapping

Deletes the BasePathMapping resource.

Request Syntax

```
DELETE /domainnames/domain_name/basepathmappings/base_path?domainNameId=domainNameId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

base_path

The base path name of the BasePathMapping resource to delete.

To specify an empty base path, set this parameter to `'(none)'`.

Required: Yes

domain_name

The domain name of the BasePathMapping resource to delete.

Required: Yes

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteClientCertificate

Deletes the ClientCertificate resource.

Request Syntax

```
DELETE /clientcertificates/clientcertificate_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientcertificate_id

The identifier of the ClientCertificate resource to be deleted.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteDeployment

Deletes a Deployment resource. Deleting a deployment will only succeed if there are no Stage resources associated with it.

Request Syntax

```
DELETE /restapis/restapi_id/deployments/deployment_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

deployment_id

The identifier of the Deployment resource to delete.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteDocumentationPart

Deletes a documentation part

Request Syntax

```
DELETE /restapis/restapi_id/documentation/parts/part_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

part_id

The identifier of the to-be-deleted documentation part.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteDocumentationVersion

Deletes a documentation version.

Request Syntax

```
DELETE /restapis/restapi_id/documentation/versions/doc_version HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

doc_version

The version identifier of a to-be-deleted documentation snapshot.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteDomainName

Deletes the DomainName resource.

Request Syntax

```
DELETE /domainnames/domain_name?domainNameId=domainNameId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain_name

The name of the DomainName resource to be deleted.

Required: Yes

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteDomainNameAccessAssociation

Deletes the DomainNameAccessAssociation resource.

Only the AWS account that created the DomainNameAccessAssociation resource can delete it. To stop an access association source in another AWS account from accessing your private custom domain name, use the RejectDomainNameAccessAssociation operation.

Request Syntax

```
DELETE /domainnameaccessassociations/domain_name_access_association_arn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain_name_access_association_arn

The ARN of the domain name access association resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteGatewayResponse

Clears any customization of a GatewayResponse of a specified response type on the given RestApi and resets it with the default settings.

Request Syntax

```
DELETE /restapis/restapi_id/gatewayresponses/response_type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

response_type

The response type of the associated GatewayResponse.

Valid Values: `DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE | EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE | INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE | BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE | THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED`

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteIntegration

Represents a delete integration.

Request Syntax

```
DELETE /restapis/restapi_id/resources/resource_id/methods/http_method/integration
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies a delete integration request's HTTP method.

Required: Yes

resource_id

Specifies a delete integration request's resource identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteIntegrationResponse

Represents a delete integration response.

Request Syntax

```
DELETE /restapis/restapi_id/resources/resource_id/methods/http_method/integration/
responses/status_code HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies a delete integration response request's HTTP method.

Required: Yes

resource_id

Specifies a delete integration response request's resource identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

Specifies a delete integration response request's status code.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMethod

Deletes an existing Method resource.

Request Syntax

```
DELETE /restapis/restapi_id/resources/resource_id/methods/http_method HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

The HTTP verb of the Method resource.

Required: Yes

resource_id

The Resource identifier for the Method resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMethodResponse

Deletes an existing MethodResponse resource.

Request Syntax

```
DELETE /restapis/restapi_id/resources/resource_id/methods/http_method/
responses/status_code HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

The HTTP verb of the Method resource.

Required: Yes

resource_id

The Resource identifier for the MethodResponse resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

The status code identifier for the MethodResponse resource.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteModel

Deletes a model.

Request Syntax

```
DELETE /restapis/restapi_id/models/model_name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

model_name

The name of the model to delete.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteRequestValidator

Deletes a RequestValidator of a given RestApi.

Request Syntax

```
DELETE /restapis/restapi_id/requestvalidators/requestvalidator_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

requestvalidator_id

The identifier of the RequestValidator to be deleted.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteResource

Deletes a Resource resource.

Request Syntax

```
DELETE /restapis/restapi_id/resources/resource_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resource_id

The identifier of the Resource resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteRestApi

Deletes the specified API.

Request Syntax

```
DELETE /restapis/restapi_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteStage

Deletes a Stage resource.

Request Syntax

```
DELETE /restapis/restapi_id/stages/stage_name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

stage_name

The name of the Stage resource to delete.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteUsagePlan

Deletes a usage plan of a given plan Id.

Request Syntax

```
DELETE /usageplans/usageplanId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

usageplanId

The Id of the to-be-deleted usage plan.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteUsagePlanKey

Deletes a usage plan key and remove the underlying API key from the associated usage plan.

Request Syntax

```
DELETE /usageplans/usageplanId/keys/keyId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

keyId

The Id of the UsagePlanKey resource to be deleted.

Required: Yes

usageplanId

The Id of the UsagePlan resource representing the usage plan containing the to-be-deleted UsagePlanKey resource representing a plan customer.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteVpcLink

Deletes an existing VpcLink of a specified identifier.

Request Syntax

```
DELETE /vpclinks/vpclink_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

vpclink_id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

FlushStageAuthorizersCache

Flushes all authorizer cache entries on a stage.

Request Syntax

```
DELETE /restapis/restapi_id/stages/stage_name/cache/authorizers HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

stage_name

The name of the stage to flush.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

FlushStageCache

Flushes a stage's cache.

Request Syntax

```
DELETE /restapis/restapi_id/stages/stage_name/cache/data HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

stage_name

The name of the stage to flush its cache.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GenerateClientCertificate

Generates a ClientCertificate resource.

Request Syntax

```
POST /clientcertificates HTTP/1.1
Content-type: application/json

{
   "description": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

description

The description of the ClientCertificate.

Type: String

Required: No

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "clientCertificateId": "string",
   "createdDate": number,
   "description": "string",
   "expirationDate": number,
   "pemEncodedCertificate": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

clientCertificateId

The identifier of the client certificate.

Type: String

createdDate

The timestamp when the client certificate was created.

Type: Timestamp

description

The description of the client certificate.

Type: String

expirationDate

The timestamp when the client certificate will expire.

Type: Timestamp

pemEncodedCertificate

The PEM-encoded public key of the client certificate, which can be used to configure certificate authentication in the integration endpoint .

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Generate a client-side certificate

This example illustrates one usage of GenerateClientCertificate.

Sample Request

```
POST /clientcertificates HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T223313Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "description": "my-second-client-cert"
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
clientcertificate-{rel}.html",
      "name": "clientcertificate",
      "templated": true
    },
    "self": {
      "href": "/clientcertificates/9ao60f"
    },
    "clientcertificate:delete": {
      "href": "/clientcertificates/9ao60f"
    },
    "clientcertificate:update": {
      "href": "/clientcertificates/9ao60f"
    }
  },
```

```
  "clientCertificateId": "9ao60f",
  "createdDate": "2016-06-15T22:33:13Z",
  "description": "my-second-client-cert",
  "expirationDate": "2017-06-15T22:33:13Z",
  "pemEncodedCertificate": "-----BEGIN CERTIFICATE-----\r\nMIIC6T...2yQAGEHvs=\r\n-----
END CERTIFICATE-----"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetAccount

Gets information about the current Account resource.

Request Syntax

```
GET /account HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeyVersion": "string",
   "cloudwatchRoleArn": "string",
   "features": [ "string" ],
   "throttleSettings": {
      "burstLimit": number,
      "rateLimit": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeyVersion

The version of the API keys used for the account.

Type: String

cloudwatchRoleArn

The ARN of an Amazon CloudWatch role for the current Account.

Type: String

features

A list of features supported for the account. When usage plans are enabled, the features list will include an entry of `"UsagePlans"`.

Type: Array of strings

throttleSettings

Specifies the API request limits configured for the current Account.

Type: ThrottleSettings object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetApiKey

Gets information about the current ApiKey resource.

Request Syntax

```
GET /apikeys/api_Key?includeValue=includeValue HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

api_Key

The identifier of the ApiKey resource.

Required: Yes

includeValue

A boolean flag to specify whether (`true`) or not (`false`) the result contains the key value.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdDate": number,
   "customerId": "string",
   "description": "string",
   "enabled": boolean,
   "id": "string",
   "lastUpdatedDate": number,
   "name": "string",
   "stageKeys": [ "string" ],
   "tags": {
```

```
      "string" : "string"
   },
   "value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdDate

The timestamp when the API Key was created.

Type: Timestamp

customerId

An AWS Marketplace customer identifier, when integrating with the AWS SaaS Marketplace.

Type: String

description

The description of the API Key.

Type: String

enabled

Specifies whether the API Key can be used by callers.

Type: Boolean

id

The identifier of the API Key.

Type: String

lastUpdatedDate

The timestamp when the API Key was last updated.

Type: Timestamp

name

The name of the API Key.

Type: String

stageKeys

A list of Stage resources that are associated with the ApiKey resource.

Type: Array of strings

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

value

The value of the API Key.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve an API Key

The following example request retrieves an API key.

The successful response returns `200 OK` status code and a payload similar to the following:

Sample Request

```
GET /apikeys/hzYAVO9Sg98nsNh65VfX81M84O2kyXVy6K1xwHD76 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T221142Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
apikey-{rel}.html",
      "name": "apikey",
      "templated": true
    },
    "self": {
      "href": "/apikeys/hzYAVO9Sg98nsNh65VfX81M84O2kyXVy6K1xwHD76"
    },
    "apikey:delete": {
      "href": "/apikeys/hzYAVO9Sg98nsNh65VfX81M84O2kyXVy6K1xwHD76"
    },
    "apikey:update": {
      "href": "/apikeys/hzYAVO9Sg98nsNh65VfX81M84O2kyXVy6K1xwHD76"
```

```
    }
  },
  "createdDate": "2015-11-06T23:51:03Z",
  "enabled": true,
  "id": "hzYAVO9Sg98nsNh65VfX81M84O2kyXVy6K1xwHD76",
  "lastUpdatedDate": "2016-06-06T23:44:43Z",
  "name": "my_test_gateway_service",
  "stageKeys": [
    "h4ah70cvmb/beta",
    "fugvjdxtri/stage2"
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetApiKeys

Gets information about the current ApiKeys resource.

Request Syntax

```
GET /apikeys?
customerId=customerId&includeValues=includeValues&limit=limit&name=nameQuery&position=position
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

customerId

The identifier of a customer in AWS Marketplace or an external system, such as a developer portal.

includeValues

A boolean flag to specify whether (`true`) or not (`false`) the result contains key values.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

nameQuery

The name of queried API keys.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "item": [
      {
         "createdDate": number,
         "customerId": "string",
         "description": "string",
         "enabled": boolean,
         "id": "string",
         "lastUpdatedDate": number,
         "name": "string",
         "stageKeys": [ "string" ],
         "tags": {
            "string" : "string"
         },
         "value": "string"
      }
   ],
   "position": "string",
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of ApiKey objects

position

The current pagination position in the paged result set.

Type: String

warnings

A list of warning messages logged during the import of API keys when the `failOnWarnings` option is set to true.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve an API key

The following example request retrieves the available API keys in the caller's AWS account.

A successful response returns the requested `ApiKey` resources that can be navigated to by following the linked item or examining the embedded item resource.

Sample Request

```
GET /apikeys HTTP/1.1
```

```
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160601T180431Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160601/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
apikey-{rel}.html",
        "name": "apikey",
        "templated": true
      }
    ],
    "self": {
      "href": "/apikeys"
    },
    "apikey:by-key": {
      "href": "/apikeys/{api_Key}",
      "templated": true
    },
    "apikey:create": {
      "href": "/apikeys"
    },
    "apikey:delete": {
      "href": "/apikeys/{api_Key}",
      "templated": true
    },
    "item": {
      "href": "/apikeys/hzYAVO9Sg98nsNh45VfX81M84O2kyXVy6K1xwHD76"
    }
  },
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/apikeys/hzYAVO9Sg98nsNh45VfX81M84O2kyXVy6K1xwHD76"
        },
```

```
        "apikey:delete": {
          "href": "/apikeys/hzYAVO9Sg98nsNh45VfX81M84O2kyXVy6K1xwHD76"
        },
        "apikey:update": {
          "href": "/apikeys/hzYAVO9Sg98nsNh45VfX81M84O2kyXVy6K1xwHD76"
        }
      },
      "createdDate": "2015-11-06T23:51:03Z",
      "enabled": true,
      "id": "hzYAVO9Sg98nsNh45VfX81M84O2kyXVy6K1xwHD76",
      "lastUpdatedDate": "2016-01-26T20:05:38Z",
      "name": "my_test_gateway_service",
      "stageKeys": "h4ah70cvmb/beta"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetAuthorizer

Describe an existing Authorizer resource.

Request Syntax

```
GET /restapis/restapi_id/authorizers/authorizer_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

authorizer_id

The identifier of the Authorizer resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "authorizerCredentials": "string",
   "authorizerResultTtlInSeconds": number,
   "authorizerUri": "string",
   "authType": "string",
   "id": "string",
   "identitySource": "string",
```

```
    "identityValidationExpression": "string",
    "name": "string",
    "providerARNs": [ "string" ],
    "type": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorizerCredentials

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, specify null.

Type: String

authorizerResultTtlInSeconds

The TTL in seconds of cached authorizer results. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway will cache authorizer responses. If this field is not set, the default value is 300. The maximum value is 3600, or 1 hour.

Type: Integer

authorizerUri

Specifies the authorizer's Uniform Resource Identifier (URI). For `TOKEN` or `REQUEST` authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form `arn:aws:apigateway:{region}:lambda:path/{service_api}`, where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`.

Type: String

authType

Optional customer-defined field, used in OpenAPI imports and exports without functional impact.

Type: String

id

The identifier for the authorizer resource.

Type: String

identitySource

The identity source for which authorization is requested. For a `TOKEN` or `COGNITO_USER_POOLS` authorizer, this is required and specifies the request header mapping expression for the custom header holding the authorization token submitted by the client. For example, if the token header name is `Auth`, the header mapping expression is `method.request.header.Auth`. For the `REQUEST` authorizer, this is required when authorization caching is enabled. The value is a comma-separated string of one or more mapping expressions of the specified request parameters. For example, if an `Auth` header, a `Name` query string parameter are defined as identity sources, this value is `method.request.header.Auth`, `method.request.querystring.Name`. These parameters will be used to derive the authorization caching key and to perform runtime validation of the `REQUEST` authorizer by verifying all of the identity-related request parameters are present, not null and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function, otherwise, it returns a 401 Unauthorized response without calling the Lambda function. The valid value is a string of comma-separated mapping expressions of the specified request parameters. When the authorization caching is not enabled, this property is optional.

Type: String

identityValidationExpression

A validation expression for the incoming identity token. For `TOKEN` authorizers, this value is a regular expression. For `COGNITO_USER_POOLS` authorizers, API Gateway will match the `aud` field of the incoming token from the client against the specified regular expression. It will invoke the authorizer's Lambda function when there is a match. Otherwise, it will return a 401 Unauthorized response without calling the Lambda function. The validation expression does not apply to the `REQUEST` authorizer.

Type: String

name

The name of the authorizer.

Type: String

providerARNs

A list of the Amazon Cognito user pool ARNs for the `COGNITO_USER_POOLS` authorizer. Each element is of this format: `arn:aws:cognito-idp:{region}:{account_id}:userpool/{user_pool_id}`. For a `TOKEN` or `REQUEST` authorizer, this is not defined.

Type: Array of strings

type

The authorizer type. Valid values are `TOKEN` for a Lambda function using a single authorization token submitted in a custom header, `REQUEST` for a Lambda function using incoming request parameters, and `COGNITO_USER_POOLS` for using an Amazon Cognito user pool.

Type: String

Valid Values: `TOKEN` | `REQUEST` | `COGNITO_USER_POOLS`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve a custom authorizer of a given authorizer identifier

The successful response returns a `200 OK` status code and a payload similar to the following:

Sample Request

```
GET /restapis/mxsmn867vb/authorizers/40j2n8 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T231032Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
      "name": "authorizer",
      "templated": true
    },
    "self": {
      "href": "/restapis/mxsmn867vb/authorizers/40j2n8"
    },
    "authorizer:delete": {
      "href": "/restapis/mxsmn867vb/authorizers/40j2n8"
    },
    "authorizer:update": {
      "href": "/restapis/mxsmn867vb/authorizers/40j2n8"
```

```
    }
  },
  "authType": "custom",
  "authorizerResultTtlInSeconds": 300,
  "authorizerUri": "arn:aws:apigateway:us-east-1:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-east-1:123456789012:function:myApiAuthroizer/invocations",
  "id": "40j2n8",
  "identitySource": "method.request.header.Auth",
  "name": "my-cust-auth",
  "type": "TOKEN"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetAuthorizers

Describe an existing Authorizers resource.

Request Syntax

```
GET /restapis/restapi_id/authorizers?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "authorizerCredentials": "string",
         "authorizerResultTtlInSeconds": number,
         "authorizerUri": "string",
```

```
            "authType": "string",
            "id": "string",
            "identitySource": "string",
            "identityValidationExpression": "string",
            "name": "string",
            "providerARNs": [ "string" ],
            "type": "string"
        }
    ],
    "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of Authorizer objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the collection of custom authorizers defined for an API

This example illustrates one usage of GetAuthorizers.

Sample Request

```
GET /restapis/86l3267lf6/authorizers HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
Content-Length: 60
X-Amz-Date: 20170223T175134Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
      "name": "authorizer",
      "templated": true
    },
    "self": {
      "href": "/restapis/86l3267lf6/authorizers"
```

```
    },
    "authorizer:by-id": {
      "href": "/restapis/86l3267lf6/authorizers/{authorizer_id}",
      "templated": true
    },
    "authorizer:create": {
      "href": "/restapis/86l3267lf6/authorizers"
    },
    "item": {
      "href": "/restapis/86l3267lf6/authorizers/bs9803"
    }
  },
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/restapis/86l3267lf6/authorizers/bs9803"
        },
        "authorizer:delete": {
          "href": "/restapis/86l3267lf6/authorizers/bs9803"
        },
        "authorizer:update": {
          "href": "/restapis/86l3267lf6/authorizers/bs9803"
        }
      },
      "authType": "custom",
      "authorizerResultTtlInSeconds": 300,
      "authorizerUri": "arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-west-2:123456789012:function:myCustomAuthorizer/invocations",
      "id": "bs9803",
      "identitySource": "method.request.header.Authorization",
      "name": "myCustomAuth",
      "type": "TOKEN"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBasePathMapping

Describe a BasePathMapping resource.

Request Syntax

```
GET /domainnames/domain_name/basepathmappings/base_path?domainNameId=domainNameId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

base_path

The base path name that callers of the API must provide as part of the URL after the domain name. This value must be unique for all of the mappings across a single API. Specify '(none)' if you do not want callers to specify any base path name after the domain name.

Required: Yes

domain_name

The domain name of the BasePathMapping resource to be described.

Required: Yes

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "basePath": "string",
   "restApiId": "string",
   "stage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

basePath

The base path name that callers of the API must provide as part of the URL after the domain name.

Type: String

restApiId

The string identifier of the associated RestApi.

Type: String

stage

The name of the associated stage.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBasePathMappings

Represents a collection of BasePathMapping resources.

Request Syntax

```
GET /domainnames/domain_name/basepathmappings?
domainNameId=domainNameId&limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain_name

The domain name of a BasePathMapping resource.

Required: Yes

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "item": [
      {
         "basePath": "string",
         "restApiId": "string",
         "stage": "string"
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of BasePathMapping objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the base path mappings of a custom domain name

This example illustrates one usage of GetBasePathMappings.

Sample Request

```
GET /domainnames/a.b.c.com/basepathmappings HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T221921Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
basepathmapping-{rel}.html",
      "name": "basepathmapping",
      "templated": true
    },
    "self": {
      "href": "/domainnames/a.b.c.com/basepathmappings{?limit}",
      "templated": true
    },
    "basepathmapping:by-path": {
```

```
      "href": "/domainnames/a.b.c.com/basepathmappings/{base_path}",
      "templated": true
    },
    "basepathmapping:create": {
      "href": "/domainnames/a.b.c.com/basepathmappings"
    },
    "item": [
      {
        "href": "/domainnames/a.b.c.com/basepathmappings/my-service-api"
      },
      {
        "href": "/domainnames/a.b.c.com/basepathmappings/my-sample-api"
      }
    ]
  },
  "_embedded": {
    "item": [
      {
        "_links": {
          "self": {
            "href": "/domainnames/a.b.c.com/basepathmappings/my-service-api"
          },
          "basepathmapping:create": {
            "href": "/domainnames/a.b.c.com/basepathmappings"
          },
          "basepathmapping:delete": {
            "href": "/domainnames/a.b.c.com/basepathmappings/my-service-api"
          },
          "basepathmapping:update": {
            "href": "/domainnames/a.b.c.com/basepathmappings/my-service-api"
          }
        },
        "basepath": "my-service-api",
        "restApiId": "fugvjdxtri",
        "stage": "stage2"
      },
      {
        "_links": {
          "self": {
            "href": "/domainnames/a.b.c.com/basepathmappings/my-sample-api"
          },
          "basepathmapping:create": {
            "href": "/domainnames/a.b.c.com/basepathmappings"
          },
```

```
          "basepathmapping:delete": {
            "href": "/domainnames/a.b.c.com/basepathmappings/my-sample-api"
          },
          "basepathmapping:update": {
            "href": "/domainnames/a.b.c.com/basepathmappings/my-sample-api"
          }
        },
        "basepath": "my-sample-api",
        "restApiId": "fugvjdxtri",
        "stage": "stage1"
      }
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetClientCertificate

Gets information about the current ClientCertificate resource.

Request Syntax

```
GET /clientcertificates/clientcertificate_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientcertificate_id

The identifier of the ClientCertificate resource to be described.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "clientCertificateId": "string",
   "createdDate": number,
   "description": "string",
   "expirationDate": number,
   "pemEncodedCertificate": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

clientCertificateId

The identifier of the client certificate.

Type: String

createdDate

The timestamp when the client certificate was created.

Type: Timestamp

description

The description of the client certificate.

Type: String

expirationDate

The timestamp when the client certificate will expire.

Type: Timestamp

pemEncodedCertificate

The PEM-encoded public key of the client certificate, which can be used to configure certificate authentication in the integration endpoint .

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the client certificate of a given identifier

This example illustrates one usage of GetClientCertificate.

Sample Request

```
GET /clientcertificates/9ao60f HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T225614Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
clientcertificate-{rel}.html",
```

```
      "name": "clientcertificate",
      "templated": true
    },
    "self": {
      "href": "/clientcertificates/9ao60f"
    },
    "clientcertificate:delete": {
      "href": "/clientcertificates/9ao60f"
    },
    "clientcertificate:update": {
      "href": "/clientcertificates/9ao60f"
    }
  },
  "clientCertificateId": "9ao60f",
  "createdDate": "2016-06-15T22:33:13Z",
  "description": "my second client-side cert",
  "expirationDate": "2017-06-15T22:33:13Z",
  "pemEncodedCertificate": "-----BEGIN CERTIFICATE-----\r\nMIIC6TC...yQAGEHvs=\r\n-----
END CERTIFICATE-----"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetClientCertificates

Gets a collection of ClientCertificate resources.

Request Syntax

```
GET /clientcertificates?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "clientCertificateId": "string",
         "createdDate": number,
         "description": "string",
         "expirationDate": number,
         "pemEncodedCertificate": "string",
         "tags": {
            "string" : "string"
```

```
         }
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of ClientCertificate objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve client certificates

The following example request retrieves the available client certificates in the caller's AWS account.

A successful response returns the requested `ClientCertificate` resources that can be navigated to by following the linked item or examining the embedded item resource.

Sample Request

```
GET /clientcertificates HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160601T175605Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/us-east-1/apigateway/
aws4_request, SignedHeaders=content-type;host;x-amz-date, Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
clientcertificate-{rel}.html",
      "name": "clientcertificate",
      "templated": true
    },
    "self": {
      "href": "/clientcertificates"
    },
    "clientcertificate:by-id": {
      "href": "/clientcertificates/{clientcertificate_id}",
      "templated": true
```

```
    },
    "clientcertificate:generate": {
      "href": "/clientcertificates"
    },
    "item": {
      "href": "/clientcertificates/xmbiqp"
    }
  },
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/clientcertificates/xmbiqp"
        },
        "clientcertificate:delete": {
          "href": "/clientcertificates/xmbiqp"
        },
        "clientcertificate:update": {
          "href": "/clientcertificates/xmbiqp"
        }
      },
      "clientCertificateId": "xmbiqp",get
      "createdDate": "2015-12-08T18:02:16Z",
      "description": "test-client-cert-2",
      "expirationDate": "2016-12-07T18:02:16Z",
      "pemEncodedCertificate": "-----BEGIN CERTIFICATE-----\r
\nMIIC6DC...XuHVdZ5r27XRRXEjg==\r\n-----END CERTIFICATE-----"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDeployment

Gets information about a Deployment resource.

Request Syntax

```
GET /restapis/restapi_id/deployments/deployment_id?embed=embed HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

deployment_id

The identifier of the Deployment resource to get information about.

Required: Yes

embed

A query parameter to retrieve the specified embedded resources of the returned Deployment resource in the response. In a REST API call, this `embed` parameter value is a list of comma-separated strings, as in `GET /restapis/{restapi_id}/deployments/{deployment_id}?embed=var1,var2`. The SDK and other platform-dependent libraries might use a different format for the list. Currently, this request supports only retrieval of the embedded API summary this way. Hence, the parameter value must be a single-valued list containing only the `"apisummary"` string. For example, `GET /restapis/{restapi_id}/deployments/{deployment_id}?embed=apisummary`.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiSummary": {
      "string" : {
         "string" : {
            "apiKeyRequired": boolean,
            "authorizationType": "string"
         }
      }
   },
   "createdDate": number,
   "description": "string",
   "id": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiSummary

A summary of the RestApi at the date and time that the deployment resource was created.

Type: String to string to MethodSnapshot object map map

createdDate

The date and time that the deployment resource was created.

Type: Timestamp

description

The description for the deployment resource.

Type: String

id

The identifier for the deployment resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

ServiceUnavailableException

The requested service is not available. For details see the accompanying error message. Retry after the specified time period.

HTTP Status Code: 503

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve a deployment

This example illustrates one usage of GetDeployment.

Sample Request

```
GET /restapis/{restapi_id}/deployments/{deployment-id}?embed=apisummary HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160520T055303Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160520/us-east-1/
apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date, Signature={hash}
Cache-Control: no-cache
```

Sample Response

```
{
"_links": {
  "curies": {
    "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
    "name": "deployment",
    "templated": true
  },
  "self": {
    "href": "/restapis/{restapi-id}/deployments/{deployment-id}"
  },
  "deployment:delete": {
    "href": "/restapis/{restapi-id}/deployments/{deployment-id}"
  },
  "deployment:stages": {
    "href": "/restapis/{restapi-id}/stages?deployment_id={deployment-id}"
  },
  "deployment:update": {
    "href": "/restapis/{restapi-id}/deployments/{deployment-id}"
  }
},
"apiSummary": {
  "/petstorewalkthrough/pets/{petId}": {
    "GET": {
      "apiKeyRequired": false,
      "authorizationType": "NONE"
    }
  },
  "/mydemoawsproxy": {
    "GET": {
      "apiKeyRequired": false,
```

```
      "authorizationType": "NONE"
    }
  }
},
"createdDate": "2016-02-12T22:20:25Z",
"id": "{deployment-id}"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDeployments

Gets information about a Deployments collection.

Request Syntax

```
GET /restapis/restapi_id/deployments?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "apiSummary": {
            "string" : {
```

```
                "string" : {
                   "apiKeyRequired": boolean,
                   "authorizationType": "string"
                }
             }
          },
          "createdDate": number,
          "description": "string",
          "id": "string"
       }
    ],
    "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of Deployment objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

ServiceUnavailableException

The requested service is not available. For details see the accompanying error message. Retry after the specified time period.

HTTP Status Code: 503

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the deployments of an API

This example illustrates one usage of GetDeployments.

Sample Request

```
GET /restapis/fugvjdxtri/deployments?limit=2 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160606T222635Z
Authorization: AWS4-HMAC-SHA256 Credential={secrete_key}/20160606/us-east-1/apigateway/
aws4_request, SignedHeaders=content-type;host;x-amz-date, Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
```

```
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
      "name": "deployment",
      "templated": true
    },
    "self": {
      "href": "/restapis/fugvjdxtri/deployments?limit=2"
    },
    "deployment:by-id": {
      "href": "/restapis/fugvjdxtri/deployments/{deployment_id}{?embed}",
      "templated": true
    },
    "deployment:create": {
      "href": "/restapis/fugvjdxtri/deployments"
    },
    "item": [
      {
        "href": "/restapis/fugvjdxtri/deployments/4vvti6"
      },
      {
        "href": "/restapis/fugvjdxtri/deployments/a9kdln"
      }
    ],
    "next": {
      "href": "/restapis/fugvjdxtri/deployments?position=aWQ9U2E5a2Rsbg%3D%3D&limit=2"
    }
  },
  "_embedded": {
    "item": [
      {
        "_links": {
          "self": {
            "href": "/restapis/fugvjdxtri/deployments/4vvti6"
          },
          "deployment:delete": {
            "href": "/restapis/fugvjdxtri/deployments/4vvti6"
          },
          "deployment:stages": {
            "href": "/restapis/fugvjdxtri/stages?deployment_id=4vvti6"
          },
          "deployment:update": {
            "href": "/restapis/fugvjdxtri/deployments/4vvti6"
          }
        },
```

```
        "createdDate": "2016-06-06T17:42:37Z",
        "id": "4vvti6"
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/fugvjdxtri/deployments/a9kdln"
          },
          "deployment:delete": {
            "href": "/restapis/fugvjdxtri/deployments/a9kdln"
          },
          "deployment:stages": {
            "href": "/restapis/fugvjdxtri/stages?deployment_id=a9kdln"
          },
          "deployment:update": {
            "href": "/restapis/fugvjdxtri/deployments/a9kdln"
          }
        },
        "createdDate": "2016-06-06T22:18:22Z",
        "description": "stage2 deploy2",
        "id": "a9kdln"
      }
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDocumentationPart

Gets a documentation part.

Request Syntax

```
GET /restapis/restapi_id/documentation/parts/part_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

part_id

The string identifier of the associated RestApi.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "id": "string",
   "location": {
      "method": "string",
      "name": "string",
      "path": "string",
```

```
      "statusCode": "string",
      "type": "string"
   },
   "properties": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The DocumentationPart identifier, generated by API Gateway when the `DocumentationPart` is created.

Type: String

location

The location of the API entity to which the documentation applies. Valid fields depend on the targeted API entity type. All the valid location fields are not required. If not explicitly specified, a valid location field is treated as a wildcard and associated documentation content may be inherited by matching entities, unless overridden.

Type: DocumentationPartLocation object

properties

A content map of API-specific key-value pairs describing the targeted API entity. The map must be encoded as a JSON string, e.g., `"{ \"description\": \"The API does ...\" }"`. Only OpenAPI-compliant documentation-related fields from the properties map are exported and, hence, published as part of the API entity definitions, while the original documentation parts are exported in a OpenAPI extension of `x-amazon-apigateway-documentation`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDocumentationParts

Gets documentation parts.

Request Syntax

```
GET /restapis/restapi_id/documentation/parts?
limit=limit&locationStatus=locationStatus&name=nameQuery&path=path&position=position&type=type
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

locationStatus

The status of the API documentation parts to retrieve. Valid values are `DOCUMENTED` for retrieving DocumentationPart resources with content and `UNDOCUMENTED` for DocumentationPart resources without content.

Valid Values: `DOCUMENTED | UNDOCUMENTED`

nameQuery

The name of API entities of the to-be-retrieved documentation parts.

path

The path of API entities of the to-be-retrieved documentation parts.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

type

The type of API entities of the to-be-retrieved documentation parts.

Valid Values: `API | AUTHORIZER | MODEL | RESOURCE | METHOD | PATH_PARAMETER | QUERY_PARAMETER | REQUEST_HEADER | REQUEST_BODY | RESPONSE | RESPONSE_HEADER | RESPONSE_BODY`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "id": "string",
         "location": {
            "method": "string",
            "name": "string",
            "path": "string",
            "statusCode": "string",
            "type": "string"
         },
         "properties": "string"
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of DocumentationPart objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDocumentationVersion

Gets a documentation version.

Request Syntax

```
GET /restapis/restapi_id/documentation/versions/doc_version HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

doc_version

The version identifier of the to-be-retrieved documentation snapshot.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdDate": number,
   "description": "string",
   "version": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdDate

The date when the API documentation snapshot is created.

Type: Timestamp

description

The description of the API documentation snapshot.

Type: String

version

The version identifier of the API documentation snapshot.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDocumentationVersions

Gets documentation versions.

Request Syntax

```
GET /restapis/restapi_id/documentation/versions?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "createdDate": number,
         "description": "string",
```

```
        "version": "string"
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of DocumentationVersion objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDomainName

Represents a domain name that is contained in a simpler, more intuitive URL that can be called.

Request Syntax

```
GET /domainnames/domain_name?domainNameId=domainNameId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain_name

The name of the DomainName resource.

Required: Yes

domainNameId

The identifier for the domain name resource. Required for private custom domain names.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "certificateArn": "string",
   "certificateName": "string",
   "certificateUploadDate": number,
   "distributionDomainName": "string",
   "distributionHostedZoneId": "string",
   "domainName": "string",
   "domainNameArn": "string",
   "domainNameId": "string",
   "domainNameStatus": "string",
   "domainNameStatusMessage": "string",
```

```
    "endpointAccessMode": "string",
    "endpointConfiguration": {
       "ipAddressType": "string",
       "types": [ "string" ],
       "vpcEndpointIds": [ "string" ]
    },
    "managementPolicy": "string",
    "mutualTlsAuthentication": {
       "truststoreUri": "string",
       "truststoreVersion": "string",
       "truststoreWarnings": [ "string" ]
    },
    "ownershipVerificationCertificateArn": "string",
    "policy": "string",
    "regionalCertificateArn": "string",
    "regionalCertificateName": "string",
    "regionalDomainName": "string",
    "regionalHostedZoneId": "string",
    "routingMode": "string",
    "securityPolicy": "string",
    "tags": {
       "string" : "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

certificateArn

The reference to an AWS-managed certificate that will be used by edge-optimized endpoint or private endpoint for this domain name. AWS Certificate Manager is the only supported source.

Type: String

certificateName

The name of the certificate that will be used by edge-optimized endpoint or private endpoint for this domain name.

Type: String

certificateUploadDate

The timestamp when the certificate that was used by edge-optimized endpoint or private endpoint for this domain name was uploaded.

Type: Timestamp

distributionDomainName

The domain name of the Amazon CloudFront distribution associated with this custom domain name for an edge-optimized endpoint. You set up this association when adding a DNS record pointing the custom domain name to this distribution name. For more information about CloudFront distributions, see the Amazon CloudFront documentation.

Type: String

distributionHostedZoneId

The region-agnostic Amazon Route 53 Hosted Zone ID of the edge-optimized endpoint. The valid value is `Z2FDTNDATAQYW2` for all the regions. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

domainName

The custom domain name as an API host name, for example, `my-api.example.com`.

Type: String

domainNameArn

The ARN of the domain name.

Type: String

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Type: String

domainNameStatus

The status of the DomainName migration. The valid values are `AVAILABLE` and `UPDATING`. If the status is `UPDATING`, the domain cannot be modified further until the existing operation is complete. If it is `AVAILABLE`, the domain can be updated.

Type: String

Valid Values: `AVAILABLE | UPDATING | PENDING | PENDING_CERTIFICATE_REIMPORT | PENDING_OWNERSHIP_VERIFICATION | FAILED`

domainNameStatusMessage

An optional text message containing detailed information about status of the DomainName migration.

Type: String

endpointAccessMode

The endpoint access mode of the DomainName.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this DomainName showing the endpoint types and IP address types of the domain name.

Type: EndpointConfiguration object

managementPolicy

A stringified JSON policy document that applies to the API Gateway Management service for this DomainName. This policy document controls access for access association sources to create domain name access associations with this DomainName. Supported only for private custom domain names.

Type: String

mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Type: MutualTlsAuthentication object

ownershipVerificationCertificateArn

The ARN of the public certificate issued by ACM to validate ownership of your custom domain. Only required when configuring mutual TLS and using an ACM imported or private CA certificate ARN as the regionalCertificateArn.

Type: String

policy

A stringified JSON policy document that applies to the `execute-api` service for this DomainName regardless of the caller and Method configuration. Supported only for private custom domain names.

Type: String

regionalCertificateArn

The reference to an AWS-managed certificate that will be used for validating the regional domain name. AWS Certificate Manager is the only supported source.

Type: String

regionalCertificateName

The name of the certificate that will be used for validating the regional domain name.

Type: String

regionalDomainName

The domain name associated with the regional endpoint for this custom domain name. You set up this association by adding a DNS record that points the custom domain name to this regional domain name. The regional domain name is returned by API Gateway when you create a regional endpoint.

Type: String

regionalHostedZoneId

The region-specific Amazon Route 53 Hosted Zone ID of the regional endpoint. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

routingMode

The routing mode for this domain name. The routing mode determines how API Gateway sends traffic from your custom domain name to your APIs.

Type: String

Valid Values: `BASE_PATH_MAPPING_ONLY | ROUTING_RULE_ONLY | ROUTING_RULE_THEN_BASE_PATH_MAPPING`

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this DomainName.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get a information about a DomainName

This example illustrates one usage of GetDomainName.

Sample Request

```
GET /domainnames/a.b.c.com HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160602T000654Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
basepathmapping-{rel}.html",
        "name": "basepathmapping",
        "templated": true
      },
      {
```

```
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
domainname-{rel}.html",
        "name": "domainname",
        "templated": true
      }
    ],
    "self": {
      "href": "/domainnames/a.b.c.com"
    },
    "basepathmapping:by-base-path": {
      "href": "/domainnames/a.b.c.com/basepathmappings/{base_path}",
      "templated": true
    },
    "basepathmapping:create": {
      "href": "/domainnames/a.b.c.com/basepathmappings"
    },
    "domainname:basepathmappings": {
      "href": "/domainnames/a.b.c.com/basepathmappings{?limit}",
      "templated": true
    },
    "domainname:delete": {
      "href": "/domainnames/a.b.c.com"
    },
    "domainname:update": {
      "href": "/domainnames/a.b.c.com"
    }
  },
  "certificateName": "test",
  "certificateArn": "arn:aws:acm:us-east-1:012345678910:certificate/certificate_id",
  "certificateUploadDate": "2016-04-18T22:16:04Z",
  "distributionDomainName": "d3ih7ecqtec0mt.cloudfront.net",
  "domainName": "a.b.c.com"
}
```

Get a information about a DomainName with an endpoint type of private

This example illustrates one usage of GetDomainName.

Sample Request

```
GET /domainnames/private.a.b.c.com?domainNameId=abcd1234 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
```

```
X-Amz-Date: 20160602T000654Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
      "curies": [
          {
              "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/
restapi-basepathmapping-{rel}.html",
              "name": "basepathmapping",
              "templated": true
          },
          {
              "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/
restapi-domainname-{rel}.html",
              "name": "domainname",
              "templated": true
          }
      ],
      "self": {
          "href": "/domainnames/private.a.b.c.com?domainNameId=abcd1234"
      },
     "basepathmapping:by-base-path": {
          "href": "/domainnames/private.a.b.c.com/basepathmappings/{base_path}?
domainNameId=abcd1234",
          "templated": true
      },
      "basepathmapping:create": {
          "href": "/domainnames/private.a.b.c.com/basepathmappings?
domainNameId=abcd1234"
      },
      "domainname:basepathmappings": {
          "href": "/domainnames/private.a.b.c.com/basepathmappings?
domainNameId=abcd1234{&limit}",
          "templated": true
      },
      "domainname:delete": {
          "href": "/domainnames/private.a.b.c.com?domainNameId=abcd1234"
      },
```

```
      "domainname:update": {
          "href": "/domainnames/private.a.b.c.com?domainNameId=abcd1234"
      }
  },
  "certificateArn": "arn:aws:acm:us-east-1:012345678910:certificate/certificate_id",
  "certificateUploadDate": "2024-10-28T17:57:00Z",
  "domainName": "private.a.b.c.com",
  "domainNameArn": "arn:aws:apigateway:us-east-1:012345678910:/domainnames/a.b.c.com
+abcd1234",
  "domainNameId": "abcd1234",
  "domainNameStatus": "AVAILABLE",
  "endpointConfiguration": {
      "vpcEndpointIds": null,
      "types": "PRIVATE",
  },
  "policy": "..."
  "securityPolicy": "TLS_1_2",
  "tags": {}
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDomainNameAccessAssociations

Represents a collection on DomainNameAccessAssociations resources.

Request Syntax

```
GET /domainnameaccessassociations?
limit=limit&position=position&resourceOwner=resourceOwner HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

resourceOwner

The owner of the domain name access association. Use SELF to only list the domain name access associations owned by your own account. Use OTHER_ACCOUNTS to list the domain name access associations with your private custom domain names that are owned by other AWS accounts.

Valid Values: SELF | OTHER_ACCOUNTS

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "item": [
      {
         "accessAssociationSource": "string",
         "accessAssociationSourceType": "string",
         "domainNameAccessAssociationArn": "string",
         "domainNameArn": "string",
         "tags": {
            "string" : "string"
         }
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of DomainNameAccessAssociation objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the domain name access associations for domain name access associations owned by your own account

This example illustrates one usage of GetDomainNameAccessAssociations.

```
GET /domainnameaccessassociations?limit=10&resourceOwner=SELF
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160601T173728Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160601/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
    "_links": {
        "curies": {
            "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/
domainnameaccessassociation-domainname-{rel}.html",
            "name": "domainnameaccessassociation",
            "templated": true
```

```
        },
        "self": {
            "href": "/domainnameaccessassociations?limit=10"
        },
        "domainnameaccessassociation:create": {
            "href": "/domainnameaccessassociations"
        },
        "item": {
            "href": "/domainnameaccessassociations/arn:aws:apigateway:us-
east-1:012345678910:/domainnameaccessassociations/domainname/private.a.b.c.com
+abcd1234/vpcesource/vpce-abcd1234"
        }
    },
    "_embedded": {
        "item": {
            "_links": {
                "self": {
                    "href": "/domainnameaccessassociations/arn:aws:apigateway:us-
east-1:012345678910:/domainnameaccessassociations/domainname/private.a.b.c.com
+abcd1234/vpcesource/vpce-abcd1234"
                }
            },
            "accessAssociationSource": "vpce-abcd1234",
            "accessAssociationSourceType": "VPCE",
            "domainNameAccessAssociationArn": "arn:aws:apigateway:us-
east-1:012345678910:/domainnameaccessassociations/domainname/private.a.b.c.com
+abcd1234/vpcesource/vpce-abcd1234",
            "domainNameArn": "arn:aws:apigateway:us-east-1:012345678910:/domainnames/
private.a.b.c.com+abcd1234"
        }
    }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetDomainNames

Represents a collection of DomainName resources.

Request Syntax

```
GET /domainnames?limit=limit&position=position&resourceOwner=resourceOwner HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

resourceOwner

The owner of the domain name.

Valid Values: `SELF | OTHER_ACCOUNTS`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "certificateArn": "string",
         "certificateName": "string",
         "certificateUploadDate": number,
```

```
            "distributionDomainName": "string",
            "distributionHostedZoneId": "string",
            "domainName": "string",
            "domainNameArn": "string",
            "domainNameId": "string",
            "domainNameStatus": "string",
            "domainNameStatusMessage": "string",
            "endpointAccessMode": "string",
            "endpointConfiguration": {
               "ipAddressType": "string",
               "types": [ "string" ],
               "vpcEndpointIds": [ "string" ]
            },
            "managementPolicy": "string",
            "mutualTlsAuthentication": {
               "truststoreUri": "string",
               "truststoreVersion": "string",
               "truststoreWarnings": [ "string" ]
            },
            "ownershipVerificationCertificateArn": "string",
            "policy": "string",
            "regionalCertificateArn": "string",
            "regionalCertificateName": "string",
            "regionalDomainName": "string",
            "regionalHostedZoneId": "string",
            "routingMode": "string",
            "securityPolicy": "string",
            "tags": {
               "string" : "string"
            }
         }
      ],
      "position": "string"
   }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of DomainName objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve domain names

The following example request retrieves up to 10 custom DomainName resources for APIs under the caller's AWS account.

A successful response returns the requested DomainName resources that can be navigated to by following the linked item or examining the embedded item resource.

Sample Request

```
GET /domainnames?limit=10 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160601T173728Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160601/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
    "_links": {
        "curies": [
            {
                "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/
restapi-basepathmapping-{rel}.html",
                "name": "basepathmapping",
                "templated": true
            },
            {
                "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/
restapi-domainname-{rel}.html",
                "name": "domainname",
                "templated": true
            }
        ],
        "self": {
            "href": "/domainnames?limit=10"
        },
        "domainname:by-name": {
            "href": "/domainnames/{domain_name}{?domain_name_id}",
            "templated": true
        },
        "domainname:create": {
            "href": "/domainnames"
        },
        "item": [
            {
```

```
                "href": "/domainnames/a.b.c.com"
            },
            {
                "href": "/domainnames/private.a.b.c.com?domain_name_id=a1b2c3"
            }
        ]
    },
    "_embedded": {
        "item": [
            {
                "_links": {
                    "self": {
                        "href": "/domainnames/a.b.c.com"
                    },
                    "basepathmapping:by-base-path": {
                        "href": "/domainnames/a.b.c.com/basepathmappings/{base_path}",
                        "templated": true
                    },
                    "basepathmapping:create": {
                        "href": "/domainnames/a.b.c.com/basepathmappings"
                    },
                    "domainname:basepathmappings": {
                        "href":  "/domainnames/a.b.c.com/basepathmappings{?limit}",,
                        "templated": true
                    },
                    "domainname:delete": {
                        "href": "/domainnames/a.b.c.com"
                    },
                    "domainname:update": {
                        "href": "/domainnames/a.b.c.com"
                    }
                },
                "certificateArn": "arn:aws:acm:us-east-1:012345678910:certificate/
abcdef",
                "certificateUploadDate": "2016-04-18T22:16:04Z",
                "distributionDomainName": "d3ih7ecqtec0mt.cloudfront.net",
                "domainName": "a.b.c.com"
            },
            {
                "_links": {
                    "self": {
                        "href": "/domainnames/private.a.b.c.com?domain_name_id=a1b2c3"
                    },
                    "basepathmapping:by-base-path": {
```

```
                        "href": "/domainnames/prviate.a.b.c.com/basepathmappings/
{base_path}?domain_name_id=a1b2c3",
                        "templated": true
                    },
                    "basepathmapping:create": {
                        "href": "/domainnames/private.a.b.c.com/basepathmappings?
domain_name_id=a1b2c3"
                    },
                    "domainname:basepathmappings": {
                        "href": "/domainnames/private.a.b.c.com/basepathmappings?
domain_name_id=a1b2c3{&limit}",
                        "templated": true
                    },
                    "domainname:delete": {
                        "href": "/domainnames/private.a.b.c.com?domain_name_id=a1b2c3"
                    },
                    "domainname:update": {
                        "href": "/domainnames/private.a.b.c.com?domain_name_id=a1b2c3"
                    }
                },
                "certificateArn": "arn:aws:acm:us-west-2:012345678910:certificate/
aaaaaaa",
                "certificateUploadDate": "2024-09-19T21:51:28Z",
                "domainName": "private.a.b.c.com",
                "domainNameArn": "arn:aws:apigateway:us-west-2:012345678910:/
domainnames/private.a.b.c.com+a1b2c3",
                "domainNameId": "a1b2c3",
                "domainNameStatus": "AVAILABLE",
                "endpointConfiguration": {
                    "vpcEndpointIds": null,
                    "types": "PRIVATE"
                },
                "securityPolicy": "TLS_1_2"
            }
        ]
    }
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetExport

Exports a deployed version of a RestApi in a specified format.

Request Syntax

```
GET /restapis/restapi_id/stages/stage_name/exports/export_type?parameters HTTP/1.1
Accept: accepts
```

URI Request Parameters

The request uses the following URI parameters.

accepts

The content-type of the export, for example `application/json`. Currently `application/json` and `application/yaml` are supported for `exportType` of`oas30` and `swagger`. This should be specified in the `Accept` header for direct API requests.

export_type

The type of export. Acceptable values are 'oas30' for OpenAPI 3.0.x and 'swagger' for Swagger/OpenAPI 2.0.

Required: Yes

parameters

A key-value map of query string parameters that specify properties of the export, depending on the requested `exportType`. For `exportType` `oas30` and `swagger`, any combination of the following parameters are supported: `extensions='integrations'` or `extensions='apigateway'` will export the API with x-amazon-apigateway-integration extensions. `extensions='authorizers'` will export the API with x-amazon-apigateway-authorizer extensions. `postman` will export the API with Postman extensions, allowing for import to the Postman tool

restapi_id

The string identifier of the associated RestApi.

Required: Yes

stage_name

The name of the Stage that will be exported.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-Type: contentType
Content-Disposition: contentDisposition

body
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

contentDisposition

The content-disposition header value in the HTTP response.

contentType

The content-type header value in the HTTP response. This will correspond to a valid 'accept' type in the request.

The response returns the following as the HTTP body.

body

The binary blob response to GetExport, which contains the export.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetGatewayResponse

Gets a GatewayResponse of a specified response type on the given RestApi.

Request Syntax

```
GET /restapis/restapi_id/gatewayresponses/response_type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

response_type

The response type of the associated GatewayResponse.

Valid Values: `DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE | EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE | INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE | BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE | THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED`

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "defaultResponse": boolean,
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "responseType": "string",
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

defaultResponse

A Boolean flag to indicate whether this GatewayResponse is the default gateway response (`true`) or not (`false`). A default gateway response is one generated by API Gateway without any customization by an API developer.

Type: Boolean

responseParameters

Response parameters (paths, query strings and headers) of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

responseTemplates

Response templates of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

responseType

The response type of the associated GatewayResponse.

Type: String

Valid Values: `DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE | EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE | INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE | BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE | THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED`

statusCode

The HTTP status code for this GatewayResponse.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get a Gateway Response of a given response type

This example illustrates one usage of GetGatewayResponse.

Sample Request

```
GET /restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN HTTP/1.1
Host: beta-apigateway.us-east-1.amazonaws.com
Content-Type: application/json
X-Amz-Date: 20170503T202516Z
Authorization: AWS4-HMAC-SHA256 Credential={access-key-id}/20170503/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature=1b52460e3159c1a26cff29093855d50ea141c1c5b937528fecaf60f51129697a
Cache-Control: no-cache
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "http://docs.aws.amazon.com/apigateway/latest/developercguide/restapi-
gatewayresponse-{rel}.html",
      "name": "gatewayresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    },
    "gatewayresponse:delete": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    },
    "gatewayresponse:put": {
      "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
      "templated": true
    },
    "gatewayresponse:update": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    }
```

```
  },
  "defaultResponse": false,
  "responseParameters": {
    "gatewayresponse.header.x-request-path": "method.request.path.petId",
    "gatewayresponse.header.Access-Control-Allow-Origin": "'a.b.c'",
    "gatewayresponse.header.x-request-query": "method.request.querystring.q",
    "gatewayresponse.header.x-request-header": "method.request.header.Accept"
  },
  "responseTemplates": {
    "application/json": "{\n     \"message\": $context.error.messageString,\n
 \"type\":  \"$context.error.responseType\",\n     \"stage\":  \"$context.stage\",
\n     \"resourcePath\":  \"$context.resourcePath\",\n     \"stageVariables.a\":
 \"$stageVariables.a\",\n     \"statusCode\": \"'404'\"\n}"
  },
  "responseType": "MISSING_AUTHENTICATION_TOKEN",
  "statusCode": "404"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetGatewayResponses

Gets the GatewayResponses collection on the given RestApi. If an API developer has not added any definitions for gateway responses, the result will be the API Gateway-generated default GatewayResponses collection for the supported response types.

Request Syntax

```
GET /restapis/restapi_id/gatewayresponses?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500. The GatewayResponses collection does not support pagination and the limit does not apply here.

position

The current pagination position in the paged result set. The GatewayResponse collection does not support pagination and the position does not apply here.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "item": [
      {
         "defaultResponse": boolean,
         "responseParameters": {
            "string" : "string"
         },
         "responseTemplates": {
            "string" : "string"
         },
         "responseType": "string",
         "statusCode": "string"
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

Returns the entire collection, because of no pagination support.

Type: Array of GatewayResponse objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the collection of gateway responses of an API

This example illustrates one usage of GetGatewayResponses.

Sample Request

```
GET /restapis/o81lxisefl/gatewayresponses HTTP/1.1
Host: beta-apigateway.us-east-1.amazonaws.com
Content-Type: application/json
X-Amz-Date: 20170503T220604Z
Authorization: AWS4-HMAC-SHA256 Credential={access-key-id}/20170503/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature=59b42fe54a76a5de8adf2c67baa6d39206f8e9ad49a1d77ccc6a5da3103a398a
Cache-Control: no-cache
Postman-Token: 5637af27-dc29-fc5c-9dfe-0645d52cb515
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
gatewayresponse-{rel}.html",
      "name": "gatewayresponse",
```

```
      "templated": true
    },
    "self": {
      "href": "/restapis/o81lxisefl/gatewayresponses"
    },
    "first": {
      "href": "/restapis/o81lxisefl/gatewayresponses"
    },
    "gatewayresponse:by-type": {
      "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
      "templated": true
    },
    "item": [
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/INTEGRATION_FAILURE"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/RESOURCE_NOT_FOUND"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/REQUEST_TOO_LARGE"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/THROTTLED"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/UNSUPPORTED_MEDIA_TYPE"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/AUTHORIZER_CONFIGURATION_ERROR"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/DEFAULT_5XX"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/DEFAULT_4XX"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/BAD_REQUEST_PARAMETERS"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/BAD_REQUEST_BODY"
      },
      {
```

```
        "href": "/restapis/o81lxisefl/gatewayresponses/EXPIRED_TOKEN"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/ACCESS_DENIED"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/INVALID_API_KEY"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/UNAUTHORIZED"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/API_CONFIGURATION_ERROR"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/QUOTA_EXCEEDED"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/INTEGRATION_TIMEOUT"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/INVALID_SIGNATURE"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/AUTHORIZER_FAILURE"
      },
      {
        "href": "/restapis/o81lxisefl/gatewayresponses/WAF_FILTERED"
      }
    ]
  },
  "_embedded": {
    "item": [
      {
        "_links": {
          "self": {
            "href": "/restapis/o81lxisefl/gatewayresponses/INTEGRATION_FAILURE"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
```

```
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/INTEGRATION_FAILURE"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "INTEGRATION_FAILURE",
      "statusCode": "504"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/RESOURCE_NOT_FOUND"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/RESOURCE_NOT_FOUND"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "RESOURCE_NOT_FOUND",
      "statusCode": "404"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/REQUEST_TOO_LARGE"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
```

```
        "href": "/restapis/o81lxisefl/gatewayresponses/REQUEST_TOO_LARGE"
      }
    },
    "defaultResponse": true,
    "responseParameters": {},
    "responseTemplates": {
      "application/json": "{\"message\":$context.error.messageString}"
    },
    "responseType": "REQUEST_TOO_LARGE",
    "statusCode": "413"
  },
  {
    "_links": {
      "self": {
        "href": "/restapis/o81lxisefl/gatewayresponses/THROTTLED"
      },
      "gatewayresponse:put": {
        "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
        "templated": true
      },
      "gatewayresponse:update": {
        "href": "/restapis/o81lxisefl/gatewayresponses/THROTTLED"
      }
    },
    "defaultResponse": true,
    "responseParameters": {},
    "responseTemplates": {
      "application/json": "{\"message\":$context.error.messageString}"
    },
    "responseType": "THROTTLED",
    "statusCode": "429"
  },
  {
    "_links": {
      "self": {
        "href": "/restapis/o81lxisefl/gatewayresponses/UNSUPPORTED_MEDIA_TYPE"
      },
      "gatewayresponse:put": {
        "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
        "templated": true
      },
      "gatewayresponse:update": {
        "href": "/restapis/o81lxisefl/gatewayresponses/UNSUPPORTED_MEDIA_TYPE"
      }
```

```
        },
        "defaultResponse": true,
        "responseParameters": {},
        "responseTemplates": {
          "application/json": "{\"message\":$context.error.messageString}"
        },
        "responseType": "UNSUPPORTED_MEDIA_TYPE",
        "statusCode": "415"
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/o81lxisefl/gatewayresponses/
AUTHORIZER_CONFIGURATION_ERROR"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
          },
          "gatewayresponse:update": {
            "href": "/restapis/o81lxisefl/gatewayresponses/
AUTHORIZER_CONFIGURATION_ERROR"
          }
        },
        "defaultResponse": true,
        "responseParameters": {},
        "responseTemplates": {
          "application/json": "{\"message\":$context.error.messageString}"
        },
        "responseType": "AUTHORIZER_CONFIGURATION_ERROR",
        "statusCode": "500"
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/o81lxisefl/gatewayresponses/DEFAULT_5XX"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
          },
          "gatewayresponse:update": {
            "href": "/restapis/o81lxisefl/gatewayresponses/DEFAULT_5XX"
          }
```

```
    },
    "defaultResponse": true,
    "responseParameters": {},
    "responseTemplates": {
      "application/json": "{\"message\":$context.error.messageString}"
    },
    "responseType": "DEFAULT_5XX"
  },
  {
    "_links": {
      "self": {
        "href": "/restapis/o81lxisefl/gatewayresponses/DEFAULT_4XX"
      },
      "gatewayresponse:put": {
        "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
        "templated": true
      },
      "gatewayresponse:update": {
        "href": "/restapis/o81lxisefl/gatewayresponses/DEFAULT_4XX"
      }
    },
    "defaultResponse": true,
    "responseParameters": {},
    "responseTemplates": {
      "application/json": "{\"message\":$context.error.messageString}"
    },
    "responseType": "DEFAULT_4XX"
  },
  {
    "_links": {
      "self": {
        "href": "/restapis/o81lxisefl/gatewayresponses/BAD_REQUEST_PARAMETERS"
      },
      "gatewayresponse:put": {
        "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
        "templated": true
      },
      "gatewayresponse:update": {
        "href": "/restapis/o81lxisefl/gatewayresponses/BAD_REQUEST_PARAMETERS"
      }
    },
    "defaultResponse": true,
    "responseParameters": {},
    "responseTemplates": {
```

```
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "BAD_REQUEST_PARAMETERS",
      "statusCode": "400"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/BAD_REQUEST_BODY"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/BAD_REQUEST_BODY"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "BAD_REQUEST_BODY",
      "statusCode": "400"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/EXPIRED_TOKEN"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/EXPIRED_TOKEN"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
```

```
      "responseType": "EXPIRED_TOKEN",
      "statusCode": "403"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/ACCESS_DENIED"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/ACCESS_DENIED"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "ACCESS_DENIED",
      "statusCode": "403"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/INVALID_API_KEY"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/INVALID_API_KEY"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "INVALID_API_KEY",
      "statusCode": "403"
```

```
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/UNAUTHORIZED"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/UNAUTHORIZED"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "UNAUTHORIZED",
      "statusCode": "401"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/API_CONFIGURATION_ERROR"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/API_CONFIGURATION_ERROR"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "API_CONFIGURATION_ERROR",
      "statusCode": "500"
    },
    {
```

```
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/QUOTA_EXCEEDED"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/QUOTA_EXCEEDED"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "QUOTA_EXCEEDED",
      "statusCode": "429"
    },
    {
      "_links": {
        "self": {
          "href": "/restapis/o81lxisefl/gatewayresponses/INTEGRATION_TIMEOUT"
        },
        "gatewayresponse:put": {
          "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
          "templated": true
        },
        "gatewayresponse:update": {
          "href": "/restapis/o81lxisefl/gatewayresponses/INTEGRATION_TIMEOUT"
        }
      },
      "defaultResponse": true,
      "responseParameters": {},
      "responseTemplates": {
        "application/json": "{\"message\":$context.error.messageString}"
      },
      "responseType": "INTEGRATION_TIMEOUT",
      "statusCode": "504"
    },
    {
      "_links": {
        "self": {
```

```
            "href": "/restapis/o81lxisefl/gatewayresponses/
MISSING_AUTHENTICATION_TOKEN"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
          },
          "gatewayresponse:update": {
            "href": "/restapis/o81lxisefl/gatewayresponses/
MISSING_AUTHENTICATION_TOKEN"
          }
        },
        "defaultResponse": true,
        "responseParameters": {},
        "responseTemplates": {
          "application/json": "{\"message\":$context.error.messageString}"
        },
        "responseType": "MISSING_AUTHENTICATION_TOKEN",
        "statusCode": "403"
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/o81lxisefl/gatewayresponses/INVALID_SIGNATURE"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
          },
          "gatewayresponse:update": {
            "href": "/restapis/o81lxisefl/gatewayresponses/INVALID_SIGNATURE"
          }
        },
        "defaultResponse": true,
        "responseParameters": {},
        "responseTemplates": {
          "application/json": "{\"message\":$context.error.messageString}"
        },
        "responseType": "INVALID_SIGNATURE",
        "statusCode": "403"
      },
      {
        "_links": {
          "self": {
```

```
            "href": "/restapis/o81lxisefl/gatewayresponses/AUTHORIZER_FAILURE"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
          },
          "gatewayresponse:update": {
            "href": "/restapis/o81lxisefl/gatewayresponses/AUTHORIZER_FAILURE"
          }
        },
        "defaultResponse": true,
        "responseParameters": {},
        "responseTemplates": {
          "application/json": "{\"message\":$context.error.messageString}"
        },
        "responseType": "AUTHORIZER_FAILURE",
        "statusCode": "500"
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/o81lxisefl/gatewayresponses/WAF_FILTERED"
          },
          "gatewayresponse:put": {
            "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
            "templated": true
          },
          "gatewayresponse:update": {
            "href": "/restapis/o81lxisefl/gatewayresponses/WAF_FILTERED"
          }
        },
        "defaultResponse": true,
        "responseParameters": {},
        "responseTemplates": {
          "application/json": "{\"message\":$context.error.messageString}"
        },
        "responseType": "WAF_FILTERED",
        "statusCode": "403"
      }
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIntegration

Get the integration settings.

Request Syntax

```
GET /restapis/restapi_id/resources/resource_id/methods/http_method/integration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies a get integration request's HTTP method.

Required: Yes

resource_id

Specifies a get integration request's resource identifier

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "cacheKeyParameters": [ "string" ],
   "cacheNamespace": "string",
   "connectionId": "string",
   "connectionType": "string",
   "contentHandling": "string",
   "credentials": "string",
   "httpMethod": "string",
   "integrationResponses": {
      "string" : {
         "contentHandling": "string",
         "responseParameters": {
            "string" : "string"
         },
         "responseTemplates": {
            "string" : "string"
         },
         "selectionPattern": "string",
         "statusCode": "string"
      }
   },
   "integrationTarget": "string",
   "passthroughBehavior": "string",
   "requestParameters": {
      "string" : "string"
   },
   "requestTemplates": {
      "string" : "string"
   },
   "responseTransferMode": "string",
   "timeoutInMillis": number,
   "tlsConfig": {
      "insecureSkipVerification": boolean
   },
   "type": "string",
   "uri": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

cacheKeyParameters

A list of request parameters whose values API Gateway caches. To be valid values for `cacheKeyParameters`, these parameters must also be specified for Method `requestParameters`.

Type: Array of strings

cacheNamespace

Specifies a group of related cached parameters. By default, API Gateway uses the resource ID as the `cacheNamespace`. You can specify the same `cacheNamespace` across resources to return the same cached data for requests to different resources.

Type: String

connectionId

The ID of the VpcLink used for the integration when `connectionType=VPC_LINK` and undefined, otherwise.

Type: String

connectionType

The type of the network connection to the integration endpoint. The valid value is `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and a network load balancer in a VPC. The default value is `INTERNET`.

Type: String

Valid Values: `INTERNET | VPC_LINK`

contentHandling

Specifies how to handle request payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the request payload will be passed through from the method request to integration request without modification, provided that the `passthroughBehavior` is configured to support payload pass-through.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

credentials

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::\*:user/\*`. To use resource-based permissions on supported AWS services, specify null.

Type: String

httpMethod

Specifies the integration's HTTP method type. For the Type property, if you specify `MOCK`, this property is optional. For Lambda integrations, you must set the integration method to `POST`. For all other types, you must specify this property.

Type: String

integrationResponses

Specifies the integration's responses.

Type: String to IntegrationResponse object map

integrationTarget

The ALB or NLB listener to send the request to.

Type: String

passthroughBehavior

Specifies how the method request body of an unmapped content type will be passed through the integration request to the back end without transformation. A content type is unmapped if no mapping template is defined in the integration or the content type does not match any of the mapped content types, as specified in `requestTemplates`. The valid value is one of the following: `WHEN_NO_MATCH`: passes the method request body through the integration request to the back end without transformation when the method request content type does not match any content type associated with the mapping templates defined in the integration request. `WHEN_NO_TEMPLATES`: passes the method request body through the integration request to the back end without transformation when no mapping template is defined in the

integration request. If a template is defined when this option is selected, the method request of an unmapped content-type will be rejected with an HTTP 415 Unsupported Media Type response. NEVER: rejects the method request with an HTTP 415 Unsupported Media Type response when either the method request content type does not match any content type associated with the mapping templates defined in the integration request or no mapping template is defined in the integration request.

Type: String

requestParameters

A key-value map specifying request parameters that are passed from the method request to the back end. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the back end. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` must be a valid and unique method request parameter name.

Type: String to string map

requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value.

Type: String to string map

responseTransferMode

The response transfer mode of the integration.

Type: String

Valid Values: `BUFFERED | STREAM`

timeoutInMillis

Custom timeout between 50 and 29,000 milliseconds. The default value is 29,000 milliseconds or 29 seconds. You can increase the default value to longer than 29 seconds for Regional or private APIs only.

Type: Integer

tlsConfig

Specifies the TLS configuration for an integration.

Type: TlsConfig object

type

Specifies an API method integration type. The valid value is one of the following:

For the HTTP and HTTP proxy integrations, each integration can specify a protocol (`http/https`), port and path. Standard 80 and 443 ports are supported as well as custom ports above 1024. An HTTP or HTTP proxy integration with a `connectionType` of `VPC_LINK` is referred to as a private integration and uses a VpcLink to connect API Gateway to a network load balancer of a VPC.

Type: String

Valid Values: `HTTP | AWS | MOCK | HTTP_PROXY | AWS_PROXY`

uri

Specifies Uniform Resource Identifier (URI) of the integration endpoint.

For `HTTP` or `HTTP_PROXY` integrations, the URI must be a fully formed, encoded HTTP(S) URL according to the RFC-3986 specification for standard integrations. If `connectionType` is `VPC_LINK` specify the Network Load Balancer DNS name. For `AWS` or `AWS_PROXY` integrations, the URI is of the form `arn:aws:apigateway:{region}:{subdomain.service|service}:path|action/{service_api}`. Here, {Region} is the API Gateway region (e.g., us-east-1); {service} is the name of the integrated AWS service (e.g., s3); and {subdomain} is a designated subdomain supported by certain AWS service for fast host-name lookup. action can be used for an AWS service action-based API, using an Action={name}&{p1}={v1}&p2={v2}... query string. The ensuing {service_api} refers to a supported action {name} plus any required input parameters. Alternatively, path can be used for an AWS service path-based API. The ensuing service_api refers to the path to an AWS service resource, including the region of the integrated AWS service, if applicable. For example, for integration with the S3 API of GetObject, the uri can be either `arn:aws:apigateway:us-west-2:s3:action/GetObject&Bucket={bucket}&Key={key}` or `arn:aws:apigateway:us-west-2:s3:path/{bucket}/{key}`

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve information about an Integration

This example illustrates one usage of GetIntegration.

Sample Request

```
GET /restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
Content-Length: 117
X-Amz-Date: 20160613T213210Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160613/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-{rel}.html",
        "name": "integration",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-response-{rel}.html",
        "name": "integrationresponse",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
    },
    "integration:delete": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
    },
    "integration:responses": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200",
      "name": "200",
      "title": "200"
    },
    "integration:update": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
    },
    "integrationresponse:put": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/responses/
{status_code}",
      "templated": true
    }
  },
  "cacheKeyParameters": [],
  "cacheNamespace": "0cjtch",
  "credentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
  "httpMethod": "POST",
  "passthroughBehavior": "WHEN_NO_MATCH",
```

```
  "requestTemplates": {
    "application/json": "{\n    \"a\":  \"$input.params('operand1')\",\n    \"b\":
 \"$input.params('operand2')\", \n    \"op\": \"$input.params('operator')\"   \n}"
  },
  "type": "AWS",
  "uri": "arn:aws:apigateway:us-west-2:lambda:path//2015-03-31/functions/
arn:aws:lambda:us-west-2:123456789012:function:Calc/invocations",
  "_embedded": {
    "integration:responses": {
      "_links": {
        "self": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200",
          "name": "200",
          "title": "200"
        },
        "integrationresponse:delete": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200"
        },
        "integrationresponse:update": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200"
        }
      },
      "responseParameters": {
        "method.response.header.operator": "integration.response.body.op",
        "method.response.header.operand_2": "integration.response.body.b",
        "method.response.header.operand_1": "integration.response.body.a"
      },
      "responseTemplates": {
        "application/json": "#set($res = $input.path('$'))\n{\n    \"result\":
 \"$res.a, $res.b, $res.op => $res.c\",\n  \"a\" : \"$res.a\",\n  \"b\" : \"$res.b\",\n
  \"op\" : \"$res.op\",\n  \"c\" : \"$res.c\"\n}"
      },
      "selectionPattern": "",
      "statusCode": "200"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIntegrationResponse

Represents a get integration response.

Request Syntax

```
GET /restapis/restapi_id/resources/resource_id/methods/http_method/integration/
responses/status_code HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies a get integration response request's HTTP method.

Required: Yes

resource_id

Specifies a get integration response request's resource identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

Specifies a get integration response request's status code.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "contentHandling": "string",
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "selectionPattern": "string",
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

contentHandling

Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the response payload will be passed through from the integration response to the method response without modification.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

responseParameters

A key-value map specifying response parameters that are passed to the method response from the back end. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The

mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` is a valid and unique response header name and `JSON-expression` is a valid JSON expression without the $ prefix.

Type: String to string map

responseTemplates

Specifies the templates used to transform the integration response body. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

Type: String to string map

selectionPattern

Specifies the regular expression (regex) pattern used to choose an integration response based on the response from the back end. For example, if the success response returns nothing and the error response returns some string, you could use the `.+` regex to match error response. However, make sure that the error response does not contain any newline (\n) character in such cases. If the back end is an AWS Lambda function, the AWS Lambda function error header is matched. For all other HTTP and AWS back ends, the HTTP status code is matched.

Type: String

statusCode

Specifies the status code that is used to map the integration response to an existing MethodResponse.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get integration responses of a method

This example illustrates one usage of GetIntegrationResponse.

Sample Request

```
GET /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/responses/200
 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160607T191449Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160607/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-response-{rel}.html",
```

```
      "name": "integrationresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200",
      "title": "200"
    },
    "integrationresponse:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
    },
    "integrationresponse:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
    }
  },
  "responseParameters": {
    "method.response.header.Content-Type": "'application/xml'"
  },
  "responseTemplates": {
    "application/json": "$util.urlDecode(\"%3CkinesisStreams%3E#foreach($stream in
 $input.path('$.StreamNames'))%3Cstream%3E%3Cname%3E$stream%3C/name%3E%3C/stream%3E#end
%3C/kinesisStreams%3E\")\n"
  },
  "statusCode": "200"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetMethod

Describe an existing Method resource.

Request Syntax

```
GET /restapis/restapi_id/resources/resource_id/methods/http_method HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies the method request's HTTP method type.

Required: Yes

resource_id

The Resource identifier for the Method resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeyRequired": boolean,
   "authorizationScopes": [ "string" ],
   "authorizationType": "string",
```

```
   "authorizerId": "string",
   "httpMethod": "string",
   "methodIntegration": {
      "cacheKeyParameters": [ "string" ],
      "cacheNamespace": "string",
      "connectionId": "string",
      "connectionType": "string",
      "contentHandling": "string",
      "credentials": "string",
      "httpMethod": "string",
      "integrationResponses": {
         "string" : {
            "contentHandling": "string",
            "responseParameters": {
               "string" : "string"
            },
            "responseTemplates": {
               "string" : "string"
            },
            "selectionPattern": "string",
            "statusCode": "string"
         }
      },
      "integrationTarget": "string",
      "passthroughBehavior": "string",
      "requestParameters": {
         "string" : "string"
      },
      "requestTemplates": {
         "string" : "string"
      },
      "responseTransferMode": "string",
      "timeoutInMillis": number,
      "tlsConfig": {
         "insecureSkipVerification": boolean
      },
      "type": "string",
      "uri": "string"
   },
   "methodResponses": {
      "string" : {
         "responseModels": {
            "string" : "string"
         },
```

```
         "responseParameters": {
            "string" : boolean
         },
         "statusCode": "string"
      }
   },
   "operationName": "string",
   "requestModels": {
      "string" : "string"
   },
   "requestParameters": {
      "string" : boolean
   },
   "requestValidatorId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeyRequired

A boolean flag specifying whether a valid ApiKey is required to invoke this method.

Type: Boolean

authorizationScopes

A list of authorization scopes configured on the method. The scopes are used with a `COGNITO_USER_POOLS` authorizer to authorize the method invocation. The authorization works by matching the method scopes against the scopes parsed from the access token in the incoming request. The method invocation is authorized if any method scopes matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the method scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

Type: Array of strings

authorizationType

The method's authorization type. Valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, `CUSTOM` for using a custom authorizer, or `COGNITO_USER_POOLS` for using a Cognito user pool.

Type: String

authorizerId

The identifier of an authorizer to use on this method. The method's authorization type must be `CUSTOM` or `COGNITO_USER_POOLS`.

Type: String

httpMethod

The method's HTTP verb.

Type: String

methodIntegration

Gets the method's integration responsible for passing the client-submitted request to the back end and performing necessary transformations to make the request compliant with the back end.

Type: Integration object

methodResponses

Gets a method response associated with a given HTTP status code.

Type: String to MethodResponse object map

operationName

A human-friendly operation identifier for the method. For example, you can assign the `operationName` of `ListPets` for the `GET /pets` method in the `PetStore` example.

Type: String

requestModels

A key-value map specifying data schemas, represented by Model resources, (as the mapped value) of the request payloads of given content types (as the mapping key).

Type: String to string map

requestParameters

A key-value map defining required or optional method request parameters that can be accepted by API Gateway. A key is a method request parameter name matching the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` is a valid and unique parameter name. The value associated with the key is a Boolean flag indicating whether the parameter is required (`true`) or optional (`false`). The method request parameter names defined here are available in Integration to be mapped to integration request parameters or templates.

Type: String to boolean map

requestValidatorId

The identifier of a RequestValidator for request validation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

View the detailed information about the GET method on an API resource

This example illustrates one usage of GetMethod.

Sample Request

```
GET /restapis/uojnr9hd57/resources/0cjtch/methods/GET HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
Content-Length: 117
X-Amz-Date: 20160613T205752Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160613/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-{rel}.html",
        "name": "integration",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-response-{rel}.html",
        "name": "integrationresponse",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-{rel}.html",
        "name": "method",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-response-{rel}.html",
```

```
        "name": "methodresponse",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET",
      "name": "GET",
      "title": "GET"
    },
    "integration:put": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
    },
    "method:delete": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET"
    },
    "method:integration": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
    },
    "method:responses": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200",
      "name": "200",
      "title": "200"
    },
    "method:update": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET"
    },
    "methodresponse:put": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/
{status_code}",
      "templated": true
    }
  },
  "apiKeyRequired": false,
  "authorizationType": "NONE",
  "httpMethod": "GET",
  "requestParameters": {
    "method.request.querystring.operand2": false,
    "method.request.querystring.operator": false,
    "method.request.querystring.operand1": false
  },
  "_embedded": {
    "method:integration": {
      "_links": {
        "self": {
```

```
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
        },
        "integration:delete": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
        },
        "integration:responses": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200",
          "name": "200",
          "title": "200"
        },
        "integration:update": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration"
        },
        "integrationresponse:put": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/{status_code}",
          "templated": true
        }
      },
      "cacheKeyParameters": [],
      "cacheNamespace": "0cjtch",
      "credentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
      "httpMethod": "POST",
      "passthroughBehavior": "WHEN_NO_MATCH",
      "requestTemplates": {
        "application/json": "{\n    \"a\":  \"$input.params('operand1')\",\n    \"b\":
 \"$input.params('operand2')\", \n    \"op\": \"$input.params('operator')\"   \n}"
      },
      "type": "AWS",
      "uri": "arn:aws:apigateway:us-west-2:lambda:path//2015-03-31/functions/
arn:aws:lambda:us-west-2:123456789012:function:Calc/invocations",
      "_embedded": {
        "integration:responses": {
          "_links": {
            "self": {
              "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200",
              "name": "200",
              "title": "200"
            },
            "integrationresponse:delete": {
              "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200"
```

```
            },
            "integrationresponse:update": {
              "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/integration/
responses/200"
            }
          },
          "responseParameters": {
            "method.response.header.operator": "integration.response.body.op",
            "method.response.header.operand_2": "integration.response.body.b",
            "method.response.header.operand_1": "integration.response.body.a"
          },
          "responseTemplates": {
            "application/json": "#set($res = $input.path('$'))\n{\n    \"result\":
 \"$res.a, $res.b, $res.op => $res.c\",\n  \"a\" : \"$res.a\",\n  \"b\" : \"$res.b\",\n
  \"op\" : \"$res.op\",\n  \"c\" : \"$res.c\"\n}"
          },
          "selectionPattern": "",
          "statusCode": "200"
        }
      }
    },
    "method:responses": {
      "_links": {
        "self": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200",
          "name": "200",
          "title": "200"
        },
        "methodresponse:delete": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200"
        },
        "methodresponse:update": {
          "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200"
        }
      },
      "responseModels": {
        "application/json": "Empty"
      },
      "responseParameters": {
        "method.response.header.operator": false,
        "method.response.header.operand_2": false,
        "method.response.header.operand_1": false
      },
      "statusCode": "200"
```

```
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetMethodResponse

Describes a MethodResponse resource.

Request Syntax

```
GET /restapis/restapi_id/resources/resource_id/methods/http_method/
responses/status_code HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

http_method

The HTTP verb of the Method resource.

Required: Yes

resource_id

The Resource identifier for the MethodResponse resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

The status code for the MethodResponse resource.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "responseModels": {
      "string" : "string"
   },
   "responseParameters": {
      "string" : boolean
   },
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

responseModels

Specifies the Model resources used for the response's content-type. Response models are represented as a key/value map, with a content-type as the key and a Model name as the value.

Type: String to string map

responseParameters

A key-value map specifying required or optional response parameters that API Gateway can send back to the caller. A key defines a method response header and the value specifies whether the associated method response header is required or not. The expression of the key must match the pattern `method.response.header.{name}`, where `name` is a valid and unique header name. API Gateway passes certain integration response data to the method response headers specified here according to the mapping you prescribe in the API's IntegrationResponse. The integration response data that can be mapped include an integration response header expressed in `integration.response.header.{name}`, a static value enclosed within a pair of single quotes (e.g., `'application/json'`), or a JSON expression from the back-end response payload in the form of `integration.response.body.{JSON-expression}`, where `JSON-expression` is a valid JSON expression without the $ prefix.)

Type: String to boolean map

statusCode

The method response's status code.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get a 200 OK response of a GET method

This example illustrates one usage of GetMethodResponse.

Sample Request

```
GET /restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
```

```
Content-Length: 117
X-Amz-Date: 20160613T215008Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160613/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-response-{rel}.html",
      "name": "methodresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200",
      "title": "200"
    },
    "methodresponse:delete": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200"
    },
    "methodresponse:update": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200"
    }
  },
  "responseModels": {
    "application/json": "Empty"
  },
  "responseParameters": {
    "method.response.header.operator": false,
    "method.response.header.operand_2": false,
    "method.response.header.operand_1": false
  },
  "statusCode": "200"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetModel

Describes an existing model defined for a RestApi resource.

Request Syntax

```
GET /restapis/restapi_id/models/model_name?flatten=flatten HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

flatten

A query parameter of a Boolean value to resolve (`true`) all external model references and returns a flattened model schema or not (`false`) The default is `false`.

model_name

The name of the model as an identifier.

Required: Yes

restapi_id

The RestApi identifier under which the Model exists.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "contentType": "string",
   "description": "string",
   "id": "string",
   "name": "string",
```

```
    "schema": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

contentType

The content-type for the model.

Type: String

description

The description of the model.

Type: String

id

The identifier for the model resource.

Type: String

name

The name of the model. Must be an alphanumeric string.

Type: String

schema

The schema for the model. For `application/json` models, this should be JSON schema draft 4 model. Do not include "*/" characters in the description of any properties because such "*/" characters may be interpreted as the closing marker for comments in some languages, such as Java or JavaScript, causing the installation of your API's SDK generated by API Gateway to fail.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve a named Model resource representing an API data model

This example illustrates one usage of GetModel.

Sample Request

```
GET /restapis/uojnr9hd57/models/output HTTP/1.1
Content-Type: application/x-amz-json-1.1
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160614T000826Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160614/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
```

```
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
      "name": "model",
      "templated": true
    },
    "self": {
      "href": "/restapis/uojnr9hd57/models/output?flatten=false"
    },
    "model:create": {
      "href": "/restapis/uojnr9hd57/models"
    },
    "model:delete": {
      "href": "/restapis/uojnr9hd57/models/output"
    },
    "model:generate-template": {
      "href": "/restapis/uojnr9hd57/models/output/default_template"
    },
    "model:update": {
      "href": "/restapis/uojnr9hd57/models/output"
    }
  },
  "contentType": "application/json",
  "id": "hkhn0z",
  "name": "output",
  "schema": "{\n\t\"title\": \"Calc output\",\n\t\"type\": \"object\",\n\t\"properties
\": {\n\t\t\"a\": {\n\t\t\t\"type\": \"number\"\n\t\t},\n\t\t\"b\": {\n\t\t\t\"type\":
 \"number\"\n\t\t},\n\t\t\"op\": {\n\t\t\t\"description\": \"operations of +-*/\",\n\t
\t\t\"type\": \"string\"\n\t\t},\n\t\t\"c\": {\n\t\t    \"type\": \"number\"\n\t\t}\n
\t},\n\t\"required\": [\"a\", \"b\", \"op\"]\n}\n"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetModels

Describes existing Models defined for a RestApi resource.

Request Syntax

```
GET /restapis/restapi_id/models?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "contentType": "string",
         "description": "string",
         "id": "string",
```

```
            "name": "string",
            "schema": "string"
        }
    ],
    "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of Model objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the collection of models defined for an API

This example illustrates one usage of GetModels.

Sample Request

```
GET /restapis/l9kujxkzq2/models HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
Content-Length: 60
X-Amz-Date: 20170223T172652Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
      "name": "model",
      "templated": true
    },
    "self": {
      "href": "/restapis/l9kujxkzq2/models"
    },
    "item": [
      {
        "href": "/restapis/l9kujxkzq2/models/Empty?flatten=false"
      },
      {
```

```
        "href": "/restapis/l9kujxkzq2/models/Error?flatten=false"
      }
    ],
    "model:by-name": {
      "href": "/restapis/l9kujxkzq2/models/{model_name}?flatten=false",
      "templated": true
    }
  },
  "_embedded": {
    "item": [
      {
        "_links": {
          "self": {
            "href": "/restapis/l9kujxkzq2/models/Empty?flatten=false"
          },
          "model:create": {
            "href": "/restapis/l9kujxkzq2/models"
          },
          "model:delete": {
            "href": "/restapis/l9kujxkzq2/models/Empty"
          },
          "model:generate-template": {
            "href": "/restapis/l9kujxkzq2/models/Empty/default_template"
          },
          "model:update": {
            "href": "/restapis/l9kujxkzq2/models/Empty"
          }
        },
        "contentType": "application/json",
        "description": "This is a default empty schema model",
        "id": "71l0yh",
        "name": "Empty",
        "schema": "{\n  \"$schema\": \"http://json-schema.org/draft-04/schema#\",\n
\"title\" : \"Empty Schema\",\n  \"type\" : \"object\"\n}"
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/l9kujxkzq2/models/Error?flatten=false"
          },
          "model:create": {
            "href": "/restapis/l9kujxkzq2/models"
          },
          "model:delete": {
```

```
            "href": "/restapis/l9kujxkzq2/models/Error"
          },
          "model:generate-template": {
            "href": "/restapis/l9kujxkzq2/models/Error/default_template"
          },
          "model:update": {
            "href": "/restapis/l9kujxkzq2/models/Error"
          }
        },
        "contentType": "application/json",
        "description": "This is a default error schema model",
        "id": "sddpxt",
        "name": "Error",
        "schema": "{\n  \"$schema\" : \"http://json-schema.org/draft-04/schema#\",\n
  \"title\" : \"Error Schema\",\n  \"type\" : \"object\",\n  \"properties\" : {\n
 \"message\" : { \"type\" : \"string\" }\n  }\n}"
      }
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetModelTemplate

Generates a sample mapping template that can be used to transform a payload into the structure of a model.

Request Syntax

```
GET /restapis/restapi_id/models/model_name/default_template HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

model_name

The name of the model for which to generate a template.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

value

The Apache Velocity Template Language (VTL) template content used for the template resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Generate the sample template from a model

This example illustrates one usage of GetModelTemplate.

Sample Request

```
GET /restapis/uojnr9hd57/models/output/default_template HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160614T202448Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160614/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
Response
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/restapis/uojnr9hd57/models/output/default_template"
    }
  },
  "value": "#set($inputRoot = $input.path('$'))\n{\n  \"a\" : 3.1415,\n  \"b\" :
 3.1415,\n  \"op\" : \"foo\",\n  \"c\" : 3.1415\n}"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRequestValidator

Gets a RequestValidator of a given RestApi.

Request Syntax

```
GET /restapis/restapi_id/requestvalidators/requestvalidator_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

requestvalidator_id

The identifier of the RequestValidator to be retrieved.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "id": "string",
   "name": "string",
   "validateRequestBody": boolean,
   "validateRequestParameters": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The identifier of this RequestValidator.

Type: String

name

The name of this RequestValidator

Type: String

validateRequestBody

A Boolean flag to indicate whether to validate a request body according to the configured Model schema.

Type: Boolean

validateRequestParameters

A Boolean flag to indicate whether to validate request parameters (`true`) or not (`false`).

Type: Boolean

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the specified RequestValidator of an API

This example illustrates one usage of GetRequestValidator.

Sample Request

```
GET /restapis/mkhqppt4e4/requestvalidators/1t3hul HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T172652Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
    },
    "request-validator-delete": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
    },
    "request-validator-update": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
    }
```

```
  },
  "id": "1t3hul",
  "name": "params-only",
  "validateRequestBody": false,
  "validateRequestParameters": true
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRequestValidators

Gets the RequestValidators collection of a given RestApi.

Request Syntax

```
GET /restapis/restapi_id/requestvalidators?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "id": "string",
         "name": "string",
         "validateRequestBody": boolean,
```

```
        "validateRequestParameters": boolean
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of RequestValidator objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get the RequestValidators collection of an API

This example illustrates one usage of GetRequestValidators.

Sample Request

```
GET /restapis/mkhqppt4e4/requestvalidators HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T172652Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
requestvalidator-{rel}.html",
      "name": "requestvalidator",
      "templated": true
    },
    "self": {
      "href": "/restapis/mkhqppt4e4/requestvalidators"
    },
    "item": [
      {
        "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
      },
      {
        "href": "/restapis/mkhqppt4e4/requestvalidators/8sbwvf"
```

```
      }
    ],
    "requestvalidator:by-id": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/{requestvalidator_id}",
      "templated": true
    },
    "requestvalidator:create": {
      "href": "/restapis/mkhqppt4e4/requestvalidators"
    }
  },
  "_embedded": {
    "item": [
      {
        "_links": {
          "self": {
            "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
          },
          "request-validator-delete": {
            "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
          },
          "request-validator-update": {
            "href": "/restapis/mkhqppt4e4/requestvalidators/1t3hul"
          }
        },
        "id": "1t3hul",
        "name": "params-only",
        "validateRequestBody": false,
        "validateRequestParameters": true
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/mkhqppt4e4/requestvalidators/8sbwvf"
          },
          "request-validator-delete": {
            "href": "/restapis/mkhqppt4e4/requestvalidators/8sbwvf"
          },
          "request-validator-update": {
            "href": "/restapis/mkhqppt4e4/requestvalidators/8sbwvf"
          }
        },
        "id": "8sbwvf",
        "name": "all",
        "validateRequestBody": true,
```

```
        "validateRequestParameters": true
      }
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetResource

Lists information about a resource.

Request Syntax

```
GET /restapis/restapi_id/resources/resource_id?embed=embed HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

embed

A query parameter to retrieve the specified resources embedded in the returned Resource representation in the response. This embed parameter value is a list of comma-separated strings. Currently, the request supports only retrieval of the embedded Method resources this way. The query parameter value must be a single-valued list and contain the "methods" string. For example, GET /restapis/{restapi_id}/resources/{resource_id}?embed=methods.

resource_id

The identifier for the Resource resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "id": "string",
   "parentId": "string",
   "path": "string",
   "pathPart": "string",
   "resourceMethods": {
      "string" : {
         "apiKeyRequired": boolean,
         "authorizationScopes": [ "string" ],
         "authorizationType": "string",
         "authorizerId": "string",
         "httpMethod": "string",
         "methodIntegration": {
            "cacheKeyParameters": [ "string" ],
            "cacheNamespace": "string",
            "connectionId": "string",
            "connectionType": "string",
            "contentHandling": "string",
            "credentials": "string",
            "httpMethod": "string",
            "integrationResponses": {
               "string" : {
                  "contentHandling": "string",
                  "responseParameters": {
                     "string" : "string"
                  },
                  "responseTemplates": {
                     "string" : "string"
                  },
                  "selectionPattern": "string",
                  "statusCode": "string"
               }
            },
            "integrationTarget": "string",
            "passthroughBehavior": "string",
            "requestParameters": {
               "string" : "string"
            },
            "requestTemplates": {
               "string" : "string"
            },
            "responseTransferMode": "string",
            "timeoutInMillis": number,
            "tlsConfig": {
```

```
                "insecureSkipVerification": boolean
            },
            "type": "string",
            "uri": "string"
         },
         "methodResponses": {
            "string" : {
               "responseModels": {
                  "string" : "string"
               },
               "responseParameters": {
                  "string" : boolean
               },
               "statusCode": "string"
            }
         },
         "operationName": "string",
         "requestModels": {
            "string" : "string"
         },
         "requestParameters": {
            "string" : boolean
         },
         "requestValidatorId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The resource's identifier.

Type: String

parentId

The parent resource's identifier.

Type: String

path

The full path for this resource.

Type: String

pathPart

The last path segment for this resource.

Type: String

resourceMethods

Gets an API resource's method of a given HTTP verb.

Type: String to Method object map

Errors

For information about the errors that are common to all actions, see Common Error Types.

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get an API resource of a given resource identifier

This example illustrates one usage of GetResource.

Sample Request

```
GET /restapis/fugvjdxtri/resources/3kzxbg5sa2 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T025309Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-{rel}.html",
        "name": "method",c
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
    },
    "method:by-http-method": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/{http_method}",
      "templated": true
    },
    "method:put": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/{http_method}",
      "templated": true
    },
    "resource:create-child": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
    },
    "resource:methods": {
```

```
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET",
      "name": "GET",
      "title": "GET"
    },
    "resource:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
    }
  },
  "id": "3kzxbg5sa2",
  "path": "/"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetResources

Lists information about a collection of Resource resources.

Request Syntax

```
GET /restapis/restapi_id/resources?embed=embed&limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

embed

A query parameter used to retrieve the specified resources embedded in the returned Resources resource in the response. This `embed` parameter value is a list of comma-separated strings. Currently, the request supports only retrieval of the embedded Method resources this way. The query parameter value must be a single-valued list and contain the `"methods"` string. For example, `GET /restapis/{restapi_id}/resources?embed=methods`.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "item": [
      {
         "id": "string",
         "parentId": "string",
         "path": "string",
         "pathPart": "string",
         "resourceMethods": {
            "string" : {
               "apiKeyRequired": boolean,
               "authorizationScopes": [ "string" ],
               "authorizationType": "string",
               "authorizerId": "string",
               "httpMethod": "string",
               "methodIntegration": {
                  "cacheKeyParameters": [ "string" ],
                  "cacheNamespace": "string",
                  "connectionId": "string",
                  "connectionType": "string",
                  "contentHandling": "string",
                  "credentials": "string",
                  "httpMethod": "string",
                  "integrationResponses": {
                     "string" : {
                        "contentHandling": "string",
                        "responseParameters": {
                           "string" : "string"
                        },
                        "responseTemplates": {
                           "string" : "string"
                        },
                        "selectionPattern": "string",
                        "statusCode": "string"
                     }
                  },
                  "integrationTarget": "string",
                  "passthroughBehavior": "string",
                  "requestParameters": {
                     "string" : "string"
                  },
                  "requestTemplates": {
                     "string" : "string"
```

```
                  },
                  "responseTransferMode": "string",
                  "timeoutInMillis": number,
                  "tlsConfig": {
                     "insecureSkipVerification": boolean
                  },
                  "type": "string",
                  "uri": "string"
               },
               "methodResponses": {
                  "string" : {
                     "responseModels": {
                        "string" : "string"
                     },
                     "responseParameters": {
                        "string" : boolean
                     },
                     "statusCode": "string"
                  }
               },
               "operationName": "string",
               "requestModels": {
                  "string" : "string"
               },
               "requestParameters": {
                  "string" : boolean
               },
               "requestValidatorId": "string"
            }
         }
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of Resource objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get an API resource collection

This example illustrates one usage of GetResources.

Sample Request

```
GET /restapis/fugvjdxtri/resources HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160602T173305Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
Response
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-{rel}.html",
        "name": "method",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources"
    },
    "item": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
    },
    "resource:by-id": {
      "href": "/restapis/fugvjdxtri/resources/{resource_id}{?embed}",
      "templated": true
    },
    "resource:create": {
      "href": "/restapis/fugvjdxtri/resources/{parent_id}",
      "templated": true
    }
```

```
  },
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
        },
        "method:by-http-method": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/{http_method}",
          "templated": true
        },
        "method:put": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/{http_method}",
          "templated": true
        },
        "resource:create-child": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
        },
        "resource:update": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
        }
      },
      "id": "3kzxbg5sa2",
      "path": "/"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRestApi

Lists the RestApi resource in the collection.

Request Syntax

```
GET /restapis/restapi_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeySource": "string",
   "apiStatus": "string",
   "apiStatusMessage": "string",
   "binaryMediaTypes": [ "string" ],
   "createdDate": number,
   "description": "string",
   "disableExecuteApiEndpoint": boolean,
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
```

```
    },
    "id": "string",
    "minimumCompressionSize": number,
    "name": "string",
    "policy": "string",
    "rootResourceId": "string",
    "securityPolicy": "string",
    "tags": {
       "string" : "string"
    },
    "version": "string",
    "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: >HEADER to read the API key from the X-API-Key header of a request. AUTHORIZER to read the API key from the UsageIdentifierKey from a custom authorizer.

Type: String

Valid Values: HEADER | AUTHORIZER

apiStatus

The ApiStatus of the RestApi.

Type: String

Valid Values: UPDATING | AVAILABLE | PENDING | FAILED

apiStatusMessage

The status message of the RestApi. When the status message is UPDATING you can still invoke it.

Type: String

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

createdDate

The timestamp when the API was created.

Type: Timestamp

description

The API's description.

Type: String

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

Type: Boolean

endpointAccessMode

The endpoint access mode of the RestApi.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

id

The API's identifier. This identifier is unique across all of your APIs in API Gateway.

Type: String

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

name

The API's name.

Type: String

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

rootResourceId

The API's root resource ID.

Type: String

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

version

A version identifier for the API.

Type: String

warnings

The warning messages reported when `failonwarnings` is turned on during API import.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve information about a REST API

This example illustrates one usage of GetRestApi.

Sample Request

```
GET /restapis/0n1anifwvf HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160601T182517Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160601/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
        "name": "authorizer",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
        "name": "deployment",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
        "name": "model",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
```

```
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
restapi-{rel}.html",
        "name": "restapi",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
        "name": "stage",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/0n1anifwvf"
    },
    "authorizer:by-id": {
      "href": "/restapis/0n1anifwvf/authorizers/{authorizer_id}",
      "templated": true
    },
    "authorizer:create": {
      "href": "/restapis/0n1anifwvf/authorizers"
    },
    "deployment:by-id": {
      "href": "/restapis/0n1anifwvf/deployments/{deployment_id}{?embed}",
      "templated": true
    },
    "deployment:create": {
      "href": "/restapis/0n1anifwvf/deployments"
    },
    "model:by-name": {
      "href": "/restapis/0n1anifwvf/models/{model_name}?flatten=false",
      "templated": true
    },
    "model:create": {
      "href": "/restapis/0n1anifwvf/models"
    },
    "resource:by-id": {
      "href": "/restapis/0n1anifwvf/resources/{resource_id}{?embed}",
      "templated": true
    },
    "resource:create": {
```

```
      "href": "/restapis/0n1anifwvf/resources/ny9qrywoj2"
    },
    "restapi:authorizers": {
      "href": "/restapis/0n1anifwvf/authorizers"
    },
    "restapi:delete": {
      "href": "/restapis/0n1anifwvf"
    },
    "restapi:deployments": {
      "href": "/restapis/0n1anifwvf/deployments{?limit}",
      "templated": true
    },
    "restapi:models": {
      "href": "/restapis/0n1anifwvf/models"
    },
    "restapi:resources": {
      "href": "/restapis/0n1anifwvf/resources{?limit,embed}",
      "templated": true
    },
    "restapi:stages": {
      "href": "/restapis/0n1anifwvf/stages{?deployment_id}",
      "templated": true
    },
    "restapi:update": {
      "href": "/restapis/0n1anifwvf"
    },
    "stage:by-name": {
      "href": "/restapis/0n1anifwvf/stages/{stage_name}",
      "templated": true
    },
    "stage:create": {
      "href": "/restapis/0n1anifwvf/stages"
    }
  },
  "createdDate": "2016-04-05T19:58:27Z",
  "description": "Your first API with Amazon API Gateway. This is a sample API that
 integrates via HTTP with our demo Pet Store endpoints",
  "id": "0n1anifwvf",
  "rootResourceId" : "1abcd23e4f",
  "name": "PetStore"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRestApis

Lists the RestApis resources for your collection.

Request Syntax

```
GET /restapis?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "apiKeySource": "string",
         "apiStatus": "string",
         "apiStatusMessage": "string",
         "binaryMediaTypes": [ "string" ],
         "createdDate": number,
         "description": "string",
         "disableExecuteApiEndpoint": boolean,
```

```
         "endpointAccessMode": "string",
         "endpointConfiguration": {
            "ipAddressType": "string",
            "types": [ "string" ],
            "vpcEndpointIds": [ "string" ]
         },
         "id": "string",
         "minimumCompressionSize": number,
         "name": "string",
         "policy": "string",
         "rootResourceId": "string",
         "securityPolicy": "string",
         "tags": {
            "string" : "string"
         },
         "version": "string",
         "warnings": [ "string" ]
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of RestApi objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve REST APIs

The following example GET request retrieves one API from an account. The `limit` query string parameter is used to limit the quantity of the returned result. For illustrative purposes, we choose `limit=1`.

A successful response returns an API that can be navigated to by following the linked item or examining the embedded item resource.

Sample Request

```
GET /restapis?limit=1 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160531T233903Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/us-east-1/apigateway/
aws4_request, SignedHeaders=content-type;host;x-amz-date, Signature={sig4_hash}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
        "name": "authorizer",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
        "name": "deployment",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
        "name": "model",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
restapi-{rel}.html",
        "name": "restapi",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
        "name": "stage",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis?limit=1"
```

```
    },
    "item": {
      "href": "/restapis/0n1anifwvf"
    },
    "next": {
      "href": "/restapis?position=aWQ9UzBuMWFuaWZ3dmY%3D&limit=1"
    },
    "restapi:by-id": {
      "href": "/restapis/{restapi_id}",
      "templated": true
    },
    "restapi:create": {
      "href": "/restapis"
    },
    "restapi:put": {
      "href": "/restapis/{restapi_id}?failonwarnings=false{&mode}",
      "templated": true
    }
  },
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/restapis/0n1anifwvf"
        },
        "authorizer:by-id": {
          "href": "/restapis/0n1anifwvf/authorizers/{authorizer_id}",
          "templated": true
        },
        "authorizer:create": {
          "href": "/restapis/0n1anifwvf/authorizers"
        },
        "deployment:by-id": {
          "href": "/restapis/0n1anifwvf/deployments/{deployment_id}{?embed}",
          "templated": true
        },
        "deployment:create": {
          "href": "/restapis/0n1anifwvf/deployments"
        },
        "model:by-name": {
          "href": "/restapis/0n1anifwvf/models/{model_name}?flatten=false",
          "templated": true
        },
        "model:create": {
```

```
          "href": "/restapis/0n1anifwvf/models"
        },
        "resource:by-id": {
          "href": "/restapis/0n1anifwvf/resources/{resource_id}{?embed}",
          "templated": true
        },
        "resource:create": {
          "href": "/restapis/0n1anifwvf/resources/ny9qrywoj2"
        },
        "restapi:authorizers": {
          "href": "/restapis/0n1anifwvf/authorizers"
        },
        "restapi:delete": {
          "href": "/restapis/0n1anifwvf"
        },
        "restapi:deployments": {
          "href": "/restapis/0n1anifwvf/deployments{?limit}",
          "templated": true
        },
        "restapi:models": {
          "href": "/restapis/0n1anifwvf/models"
        },
        "restapi:resources": {
          "href": "/restapis/0n1anifwvf/resources{?limit,embed}",
          "templated": trueget
        },
        "restapi:stages": {
          "href": "/restapis/0n1anifwvf/stages{?deployment_id}",
          "templated": true
        },
        "restapi:update": {
          "href": "/restapis/0n1anifwvf"
        },
        "stage:by-name": {
          "href": "/restapis/0n1anifwvf/stages/{stage_name}",
          "templated": true
        },
        "stage:create": {
          "href": "/restapis/0n1anifwvf/stages"
        }
      },
      "createdDate": "2016-04-05T19:58:27Z",
      "description": "Your first API with Amazon API Gateway. This is a sample API that
integrates via HTTP with our demo Pet Store endpoints",
```

```
      "id": "0n1anifwvf",
      "name": "PetStore"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSdk

Generates a client SDK for a RestApi and Stage.

Request Syntax

```
GET /restapis/restapi_id/stages/stage_name/sdks/sdk_type?parameters HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

parameters

A string-to-string key-value map of query parameters `sdkType`-dependent properties of the SDK. For `sdkType` of `objectivec` or `swift`, a parameter named `classPrefix` is required. For `sdkType` of `android`, parameters named `groupId`, `artifactId`, `artifactVersion`, and `invokerPackage` are required. For `sdkType` of `java`, parameters named `serviceName` and `javaPackageName` are required.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

sdk_type

The language for the generated SDK. Currently `java`, `javascript`, `android`, `objectivec` (for iOS), `swift` (for iOS), and `ruby` are supported.

Required: Yes

stage_name

The name of the Stage that the SDK will use.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-Type: contentType
Content-Disposition: contentDisposition

body
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

contentDisposition

The content-disposition header value in the HTTP response.

contentType

The content-type header value in the HTTP response.

The response returns the following as the HTTP body.

body

The binary blob response to GetSdk, which contains the generated SDK.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSdkType

Gets an SDK type.

Request Syntax

```
GET /sdktypes/sdktype_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sdktype_id

The identifier of the queried SdkType instance.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "configurationProperties": [
      {
         "defaultValue": "string",
         "description": "string",
         "friendlyName": "string",
         "name": "string",
         "required": boolean
      }
   ],
   "description": "string",
   "friendlyName": "string",
   "id": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

configurationProperties

A list of configuration properties of an SdkType.

Type: Array of SdkConfigurationProperty objects

description

The description of an SdkType.

Type: String

friendlyName

The user-friendly name of an SdkType instance.

Type: String

id

The identifier of an SdkType instance.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSdkTypes

Gets SDK types

Request Syntax

```
GET /sdktypes?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "configurationProperties": [
            {
               "defaultValue": "string",
               "description": "string",
               "friendlyName": "string",
               "name": "string",
               "required": boolean
            }
```

```
            ],
            "description": "string",
            "friendlyName": "string",
            "id": "string"
        }
    ],
    "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of SdkType objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetStage

Gets information about a Stage resource.

Request Syntax

```
GET /restapis/restapi_id/stages/stage_name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

stage_name

The name of the Stage resource to get information about.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "accessLogSettings": {
      "destinationArn": "string",
      "format": "string"
   },
   "cacheClusterEnabled": boolean,
   "cacheClusterSize": "string",
   "cacheClusterStatus": "string",
   "canarySettings": {
```

```
      "deploymentId": "string",
      "percentTraffic": number,
      "stageVariableOverrides": {
         "string" : "string"
      },
      "useStageCache": boolean
   },
   "clientCertificateId": "string",
   "createdDate": number,
   "deploymentId": "string",
   "description": "string",
   "documentationVersion": "string",
   "lastUpdatedDate": number,
   "methodSettings": {
      "string" : {
         "cacheDataEncrypted": boolean,
         "cacheTtlInSeconds": number,
         "cachingEnabled": boolean,
         "dataTraceEnabled": boolean,
         "loggingLevel": "string",
         "metricsEnabled": boolean,
         "requireAuthorizationForCacheControl": boolean,
         "throttlingBurstLimit": number,
         "throttlingRateLimit": number,
         "unauthorizedCacheControlHeaderStrategy": "string"
      }
   },
   "stageName": "string",
   "tags": {
      "string" : "string"
   },
   "tracingEnabled": boolean,
   "variables": {
      "string" : "string"
   },
   "webAclArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

accessLogSettings

Settings for logging access in this stage.

Type: AccessLogSettings object

cacheClusterEnabled

Specifies whether a cache cluster is enabled for the stage. To activate a method-level cache, set `CachingEnabled` to `true` for a method.

Type: Boolean

cacheClusterSize

The stage's cache capacity in GB. For more information about choosing a cache size, see Enabling API caching to enhance responsiveness.

Type: String

Valid Values: `0.5 | 1.6 | 6.1 | 13.5 | 28.4 | 58.2 | 118 | 237`

cacheClusterStatus

The status of the cache cluster for the stage, if enabled.

Type: String

Valid Values: `CREATE_IN_PROGRESS | AVAILABLE | DELETE_IN_PROGRESS | NOT_AVAILABLE | FLUSH_IN_PROGRESS`

canarySettings

Settings for the canary deployment in this stage.

Type: CanarySettings object

clientCertificateId

The identifier of a client certificate for an API stage.

Type: String

createdDate

The timestamp when the stage was created.

Type: Timestamp

deploymentId

The identifier of the Deployment that the stage points to.

Type: String

description

The stage's description.

Type: String

documentationVersion

The version of the associated API documentation.

Type: String

lastUpdatedDate

The timestamp when the stage last updated.

Type: Timestamp

methodSettings

A map that defines the method settings for a Stage resource. Keys (designated as `/{method_setting_key` below) are method paths defined as `{resource_path}/{http_method}` for an individual method override, or `/\*/\*` for overriding all methods in the stage.

Type: String to MethodSetting object map

stageName

The name of the stage is the first path segment in the Uniform Resource Identifier (URI) of a call to API Gateway. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

tracingEnabled

Specifies whether active tracing with X-ray is enabled for the Stage.

Type: Boolean

variables

A map that defines the stage variables for a Stage resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

Type: String to string map

webAclArn

The ARN of the WebAcl associated with the Stage.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get a named stage of an API

This example illustrates one usage of GetStage.

Sample Request

```
GET /restapis/uycll6xg9a/stages/prod HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T194603Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
      "name": "stage",
      "templated": true
    },
    "self": {
      "href": "/restapis/uycll6xg9a/stages/prod"
    },
```

```
    "stage:delete": {
      "href": "/restapis/uycll6xg9a/stages/prod"
    },
    "stage:flush-authorizer-cache": {
      "href": "/restapis/uycll6xg9a/stages/prod/cache/authorizers"
    },
    "stage:update": {
      "href": "/restapis/uycll6xg9a/stages/prod"
    }
  },
  "cacheClusterEnabled": false,
  "cacheClusterStatus": "NOT_AVAILABLE",
  "createdDate": "2016-04-15T17:53:35Z",
  "deploymentId": "vakw79",
  "lastUpdatedDate": "2016-04-15T18:30:10Z",
  "methodSettings": {},
  "stageName": "prod",
  "variables": {
    "version": "v-prod",
    "url": "petstore-demo-endpoint.execute-api.com/petstore/pets",
    "function": "HelloEveryone"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetStages

Gets information about one or more Stage resources.

Request Syntax

```
GET /restapis/restapi_id/stages?deploymentId=deploymentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

deploymentId

The stages' deployment identifiers.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "accessLogSettings": {
            "destinationArn": "string",
            "format": "string"
         },
         "cacheClusterEnabled": boolean,
         "cacheClusterSize": "string",
         "cacheClusterStatus": "string",
         "canarySettings": {
```

```
            "deploymentId": "string",
            "percentTraffic": number,
            "stageVariableOverrides": {
               "string" : "string"
            },
            "useStageCache": boolean
         },
         "clientCertificateId": "string",
         "createdDate": number,
         "deploymentId": "string",
         "description": "string",
         "documentationVersion": "string",
         "lastUpdatedDate": number,
         "methodSettings": {
            "string" : {
               "cacheDataEncrypted": boolean,
               "cacheTtlInSeconds": number,
               "cachingEnabled": boolean,
               "dataTraceEnabled": boolean,
               "loggingLevel": "string",
               "metricsEnabled": boolean,
               "requireAuthorizationForCacheControl": boolean,
               "throttlingBurstLimit": number,
               "throttlingRateLimit": number,
               "unauthorizedCacheControlHeaderStrategy": "string"
            }
         },
         "stageName": "string",
         "tags": {
            "string" : "string"
         },
         "tracingEnabled": boolean,
         "variables": {
            "string" : "string"
         },
         "webAclArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of Stage objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get Stages

This example illustrates one usage of GetStages.

Sample Request

```
GET /restapis/{restapi_id}/stages?deployment_id=vakw79 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160524T061752Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160524/us-east-1/
apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date, Signature={sig-
hash}
Cache-Control: no-cache
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
      "name": "stage",
      "templated": true
    },
    "self": {
      "href": "/restapis/{restapi_id}/stages{?deployment_id}",
      "templated": true
    },
    "item": [
      {
        "href": "/restapis/{restapi_id}/stages/beta"
      },
      {
        "href": "/restapis/{restapi_id}/stages/prod"
      }
    ],
    "stage:by-name": {
```

```
      "href": "/restapis/{restapi_id}/stages/{stage_name}",
      "templated": true
    },
    "stage:create": {
      "href": "/restapis/{restapi_id}/stages"
    }
  },
  "_embedded": {
    "item": [
      {
        "_links": {
          "self": {
            "href": "/restapis/{restapi_id}/stages/beta"
          },
          "stage:delete": {
            "href": "/restapis/{restapi_id}/stages/beta"
          },
          "stage:flush-authorizer-cache": {
            "href": "/restapis/{restapi_id}/stages/beta/cache/authorizers"
          },
          "stage:update": {
            "href": "/restapis/{restapi_id}/stages/beta"
          }
        },
        "cacheClusterEnabled": false,
        "cacheClusterStatus": "NOT_AVAILABLE",
        "createdDate": "2016-04-15T17:38:08Z",
        "deploymentId": "vakw79",
        "lastUpdatedDate": "2016-04-15T17:45:48Z",
        "methodSettings": {},
        "stageName": "beta",
        "variables": {
          "version": "v-beta",
          "url": "myDomain.com",
          "function": "HelloWorld"
        }
      },
      {
        "_links": {
          "self": {
            "href": "/restapis/{restapi_id}/stages/prod"
          },
          "stage:delete": {
            "href": "/restapis/{restapi_id}/stages/prod"
```

```
          },
          "stage:flush-authorizer-cache": {
            "href": "/restapis/{restapi_id}/stages/prod/cache/authorizers"
          },
          "stage:update": {
            "href": "/restapis/{restapi_id}/stages/prod"
          }
        },
        "cacheClusterEnabled": false,
        "cacheClusterStatus": "NOT_AVAILABLE",
        "createdDate": "2016-04-15T17:53:35Z",
        "deploymentId": "vakw79",
        "lastUpdatedDate": "2016-04-15T18:30:10Z",
        "methodSettings": {},
        "stageName": "prod",
        "variables": {
          "version": "v-prod",
          "url": "petstore-demo-endpoint.execute-api.com/petstore/pets",
          "function": "HelloEveryone"
        }
      }
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

GetTags

Gets the Tags collection for a given resource.

Request Syntax

```
GET /tags/resource_arn?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

(Not currently supported) The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

(Not currently supported) The current pagination position in the paged result set.

resource_arn

The ARN of a resource that can be tagged.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetUsage

Gets the usage data of a usage plan in a specified time interval.

Request Syntax

```
GET /usageplans/usageplanId/usage?
endDate=endDate&keyId=keyId&limit=limit&position=position&startDate=startDate HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

endDate

The ending date (e.g., 2016-12-31) of the usage data.

Required: Yes

keyId

The Id of the API key associated with the resultant usage data.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

startDate

The starting date (e.g., 2016-01-01) of the usage data.

Required: Yes

usageplanId

The Id of the usage plan associated with the usage data.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "endDate": "string",
   "values": {
      "string" : [
         [ number ]
      ]
   },
   "position": "string",
   "startDate": "string",
   "usagePlanId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endDate

The ending date of the usage data.

Type: String

values

The usage data, as daily logs of used and remaining quotas, over the specified time interval indexed over the API keys in a usage plan. For example, `{..., "values" : { "{api_key}" : [ [0, 100], [10, 90], [100, 10]]}`, where `{api_key}` stands for an API key ID and the daily log entry is of the format `[used quota, remaining quota]`.

Type: String to array of arrays of longs map

position

The current pagination position in the paged result set.

Type: String

startDate

The starting date of the usage data.

Type: String

usagePlanId

The plan Id associated with this usage data.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Get usage data

This example illustrates one usage of GetUsage.

Sample Request

```
GET /usageplans/q2hrol/usage?startDate=2016-08-01&endDate=2016-08-04 HTTP/1.1
Content-Type: application/json
Host: apigateway.ap-southeast-1.amazonaws.com
Content-Length: 254
X-Amz-Date: 20160801T211516Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160801/ap-
southeast-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sigv4_hash}
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/usageplans/q2hrol/usage?startDate=2016-08-01&endDate=2016-08-04"
    },
    "first": {
      "href": "/usageplans/q2hrol/usage?startDate=2016-08-01&endDate=2016-08-04"
    }
  },
  "endDate": "2016-08-04",
  "startDate": "2016-08-01",
  "usagePlanId": "q2hrol",
  "values": {
    "px1KW6TIqK6L8PfqZYR3R3rrFWSS74BB5qBazOJH6": [
      [
        0,
        5000
      ],
      [
        0,
        5000
      ],
      [
        0,
```

```
        10
      ],
      [
        0,
        10
      ]
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetUsagePlan

Gets a usage plan of a given plan identifier.

Request Syntax

```
GET /usageplans/usageplanId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

usageplanId

The identifier of the UsagePlan resource to be retrieved.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiStages": [
      {
         "apiId": "string",
         "stage": "string",
         "throttle": {
            "string" : {
               "burstLimit": number,
               "rateLimit": number
            }
         }
      }
   ],
   "description": "string",
```

```
   "id": "string",
   "name": "string",
   "productCode": "string",
   "quota": {
      "limit": number,
      "offset": number,
      "period": "string"
   },
   "tags": {
      "string" : "string"
   },
   "throttle": {
      "burstLimit": number,
      "rateLimit": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiStages

The associated API stages of a usage plan.

Type: Array of ApiStage objects

description

The description of a usage plan.

Type: String

id

The identifier of a UsagePlan resource.

Type: String

name

The name of a usage plan.

Type: String

productCode

The AWS Marketplace product identifier to associate with the usage plan as a SaaS product on the AWS Marketplace.

Type: String

quota

The target maximum number of permitted requests per a given unit time interval.

Type: QuotaSettings object

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

throttle

A map containing method level throttling information for API stage in a usage plan.

Type: ThrottleSettings object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve information about a usage plan

This example illustrates one usage of GetUsagePlan.

Sample Request

```
GET /usageplans/n371pt HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160805T012305Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160805/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sigvv4_hash}
Response
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usage-{rel}.html",
        "name": "usage",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplan-{rel}.html",
        "name": "usageplan",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplankey-{rel}.html",
```

```
        "name": "usageplankey",
        "templated": true
      }
    ],
    "self": {
      "href": "/usageplans/n371pt"
    },
    "usage:get": {
      "href": "/usageplans/n371pt/usage?startDate=2016-07-06&endDate=2016-08-05"
    },
    "usageplan:delete": {
      "href": "/usageplans/n371pt"
    },
    "usageplan:update": {
      "href": "/usageplans/n371pt"
    },
    "usageplan:usageplankeys": {
      "href": "/usageplans/n371pt/keys"
    },
    "usageplankey:create": {
      "href": "/usageplans/n371pt/keys"
    }
  },
  "apiStages": {
    "stage": "testStage",
    "apiId": "kdwpu39c2k"
  },
  "id": "n371pt",
  "name": "Plan_D",
  "quota": {
    "period": "DAY",
    "offset": 0,
    "limit": 5
  },
  "throttle": {
    "rateLimit": 100,
    "burstLimit": 200
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetUsagePlanKey

Gets a usage plan key of a given key identifier.

Request Syntax

```
GET /usageplans/usageplanId/keys/keyId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

keyId

The key Id of the to-be-retrieved UsagePlanKey resource representing a plan customer.

Required: Yes

usageplanId

The Id of the UsagePlan resource representing the usage plan containing the to-be-retrieved UsagePlanKey resource representing a plan customer.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "id": "string",
   "name": "string",
   "type": "string",
   "value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The Id of a usage plan key.

Type: String

name

The name of a usage plan key.

Type: String

type

The type of a usage plan key. Currently, the valid key type is `API_KEY`.

Type: String

value

The value of a usage plan key.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve a usage plan key

This example illustrates one usage of GetUsagePlanKey.

Sample Request

```
GET /usageplans/n371pt/keys/4wj0d1lt91 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
Content-Length: 58
X-Amz-Date: 20160805T180524Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160805/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sigv4_hash}
Response
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/usageplans/n371pt/keys/4wj0d1lt91"
    }
  },
  "id": "4wj0d1lt91",
  "name": "MyApiKey",
  "type": "API_KEY"
```

```
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetUsagePlanKeys

Gets all the usage plan keys representing the API keys added to a specified usage plan.

Request Syntax

```
GET /usageplans/usageplanId/keys?limit=limit&name=nameQuery&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

nameQuery

A query parameter specifying the name of the to-be-returned usage plan keys.

position

The current pagination position in the paged result set.

usageplanId

The Id of the UsagePlan resource representing the usage plan containing the to-be-retrieved UsagePlanKey resource representing a plan customer.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "item": [
      {
         "id": "string",
         "name": "string",
         "type": "string",
         "value": "string"
      }
   ],
   "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of UsagePlanKey objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve usage plan keys

This example illustrates one usage of GetUsagePlanKeys.

Sample Request

```
GET /usageplans/n371pt/keys HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
Content-Length: 58
X-Amz-Date: 20160805T185459Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160805/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sigv4_hash}
Response
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/usageplans/n371pt/keys"
    },
    "item": {
      "href": "/usageplans/n371pt/keys/4wj0d1lt91"
    }
  },
```

```
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/usageplans/n371pt/keys/4wj0d1lt91"
        }
      },
      "id": "4wj0d1lt91",
      "name": "MyApiKey",
      "type": "API_KEY"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetUsagePlans

Gets all the usage plans of the caller's account.

Request Syntax

```
GET /usageplans?keyId=keyId&limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

keyId

The identifier of the API key associated with the usage plans.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "apiStages": [
            {
               "apiId": "string",
               "stage": "string",
```

```
            "throttle": {
               "string" : {
                  "burstLimit": number,
                  "rateLimit": number
               }
            }
         }
      ],
      "description": "string",
      "id": "string",
      "name": "string",
      "productCode": "string",
      "quota": {
         "limit": number,
         "offset": number,
         "period": "string"
      },
      "tags": {
         "string" : "string"
      },
      "throttle": {
         "burstLimit": number,
         "rateLimit": number
      }
   }
],
"position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of UsagePlan objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Retrieve usage plans

The following example request gets the UsagePlans of the caller's account.

The successful response returns a `200 OK` status code and a payload similar to the following:

Sample Request

```
GET /usageplans HTTP/1.1
Content-Type: application/json
```

```
Host: apigateway.ap-southeast-1.amazonaws.com
Content-Length: 254
X-Amz-Date: 20160801T204414Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160801/ap-
southeast-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sigv4_hash}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usage-{rel}.html",
        "name": "usage",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplan-{rel}.html",
        "name": "usageplan",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplankey-{rel}.html",
        "name": "usageplankey",
        "templated": true
      }
    ],
    "self": {
      "href": "/usageplans"
    },
    "item": {
      "href": "/usageplans/ywbqww"
    },
    "usageplan:by-id": {
      "href": "/usageplans/{usageplanId}",
      "templated": true
    },
    "usageplan:create": {
      "href": "/usageplans"
```

```
    }
  },
  "_embedded": {
    "item": {
      "_links": {
        "self": {
          "href": "/usageplans/ywbqww"
        },
        "usage:get": {
          "href": "/usageplans/ywbqww/usage?startDate=2016-07-02&endDate=2016-08-01"
        },
        "usageplan:delete": {
          "href": "/usageplans/ywbqww"
        },
        "usageplan:update": {
          "href": "/usageplans/ywbqww"
        },
        "usageplan:usageplankeys": {
          "href": "/usageplans/ywbqww/keys"
        },
        "usageplankey:create": {
          "href": "/usageplans/ywbqww/keys"
        }
      },
      "apiStages": {
        "stage": "testStage",
        "apiId": "xbvxlpijch"
      },
      "description": "Plan A",
      "id": "ywbqww",
      "name": "Plan_A",
      "quota": {
        "period": "MONTH",
        "offset": 0,
        "limit": 1000
      },
      "throttle": {
        "rateLimit": 100,
        "burstLimit": 200
      }
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetVpcLink

Gets a specified VPC link under the caller's account in a region.

Request Syntax

```
GET /vpclinks/vpclink_id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

vpclink_id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "description": "string",
   "id": "string",
   "name": "string",
   "status": "string",
   "statusMessage": "string",
   "tags": {
      "string" : "string"
   },
   "targetArns": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

description

The description of the VPC link.

Type: String

id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Type: String

name

The name used to label and identify the VPC link.

Type: String

status

The status of the VPC link. The valid values are `AVAILABLE`, `PENDING`, `DELETING`, or `FAILED`. Deploying an API will wait if the status is `PENDING` and will fail if the status is `DELETING`.

Type: String

Valid Values: `AVAILABLE | PENDING | DELETING | FAILED`

statusMessage

A description about the VPC link status.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

targetArns

The ARN of the network load balancer of the VPC targeted by the VPC link. The network load balancer must be owned by the same AWS account of the API owner.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetVpcLinks

Gets the VpcLinks collection under the caller's account in a selected region.

Request Syntax

```
GET /vpclinks?limit=limit&position=position HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

limit

The maximum number of returned results per page. The default value is 25 and the maximum value is 500.

position

The current pagination position in the paged result set.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "item": [
      {
         "description": "string",
         "id": "string",
         "name": "string",
         "status": "string",
         "statusMessage": "string",
         "tags": {
            "string" : "string"
         },
```

```
            "targetArns": [ "string" ]
        }
    ],
    "position": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

item

The current page of elements from this collection.

Type: Array of VpcLink objects

position

The current pagination position in the paged result set.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ImportApiKeys

Import API keys from an external source, such as a CSV-formatted file.

Request Syntax

```
POST /apikeys?mode=import&failonwarnings=failOnWarnings&format=format HTTP/1.1

body
```

URI Request Parameters

The request uses the following URI parameters.

failOnWarnings

A query parameter to indicate whether to rollback ApiKey importation (`true`) or not (`false`) when error is encountered.

format

A query parameter to specify the input format to imported API keys. Currently, only the `csv` format is supported.

Valid Values: `csv`

Required: Yes

Request Body

The request accepts the following binary data.

body

The payload of the POST request to import API keys. For the payload format, see API Key File Format.

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ids": [ "string" ],
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ids

A list of all the ApiKey identifiers.

Type: Array of strings

warnings

A list of warning messages.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ImportDocumentationParts

Imports documentation parts

Request Syntax

```
PUT /restapis/restapi_id/documentation/parts?failonwarnings=failOnWarnings&mode=mode
 HTTP/1.1

body
```

URI Request Parameters

The request uses the following URI parameters.

failOnWarnings

A query parameter to specify whether to rollback the documentation importation (`true`) or not (`false`) when a warning is encountered. The default value is `false`.

mode

A query parameter to indicate whether to overwrite (`overwrite`) any existing DocumentationParts definition or to merge (`merge`) the new definition into the existing one. The default value is `merge`.

Valid Values: `merge | overwrite`

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following binary data.

body

Raw byte array representing the to-be-imported documentation parts. To import from an OpenAPI file, this is a JSON object.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ids": [ "string" ],
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ids

A list of the returned documentation part identifiers.

Type: Array of strings

warnings

A list of warning messages reported during import of documentation parts.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ImportRestApi

A feature of the API Gateway control service for creating a new API from an external API definition file.

Request Syntax

```
POST /restapis?mode=import&parameters&failonwarnings=failOnWarnings HTTP/1.1

body
```

URI Request Parameters

The request uses the following URI parameters.

failOnWarnings

A query parameter to indicate whether to rollback the API creation (`true`) or not (`false`) when a warning is encountered. The default value is `false`.

parameters

A key-value map of context-specific query string parameters specifying the behavior of different API importing operations. The following shows operation-specific parameters and their supported values.

To exclude DocumentationParts from the import, set `parameters` as `ignore=documentation`.

To configure the endpoint type, set `parameters` as `endpointConfigurationTypes=EDGE`, `endpointConfigurationTypes=REGIONAL`, or `endpointConfigurationTypes=PRIVATE`. The default endpoint type is `EDGE`.

To handle imported `basepath`, set `parameters` as `basepath=ignore`, `basepath=prepend` or `basepath=split`.

Request Body

The request accepts the following binary data.

body

The POST request body containing external API definitions. Currently, only OpenAPI definition JSON/YAML files are supported. The maximum size of the API definition file is 6MB.

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "apiKeySource": "string",
   "apiStatus": "string",
   "apiStatusMessage": "string",
   "binaryMediaTypes": [ "string" ],
   "createdDate": number,
   "description": "string",
   "disableExecuteApiEndpoint": boolean,
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "id": "string",
   "minimumCompressionSize": number,
   "name": "string",
   "policy": "string",
   "rootResourceId": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   },
   "version": "string",
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: >HEADER to read the API key from the X-API-Key header of a request. AUTHORIZER to read the API key from the UsageIdentifierKey from a custom authorizer.

Type: String

Valid Values: HEADER | AUTHORIZER

apiStatus

The ApiStatus of the RestApi.

Type: String

Valid Values: UPDATING | AVAILABLE | PENDING | FAILED

apiStatusMessage

The status message of the RestApi. When the status message is UPDATING you can still invoke it.

Type: String

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

createdDate

The timestamp when the API was created.

Type: Timestamp

description

The API's description.

Type: String

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

Type: Boolean

endpointAccessMode

The endpoint access mode of the RestApi.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

id

The API's identifier. This identifier is unique across all of your APIs in API Gateway.

Type: String

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

name

The API's name.

Type: String

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

rootResourceId

The API's root resource ID.

Type: String

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

version

A version identifier for the API.

Type: String

warnings

The warning messages reported when `failonwarnings` is turned on during API import.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Import an OpenAPI API definition

This example illustrates one usage of ImportRestApi.

Sample Request

```
POST /restapis?mode=import&failonwarning=true&basepath=ignore HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160606T234936Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160606/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "swagger": "2.0",
  "info": {
    "version": "2016-06-06T23:48:44Z",
    "title": "my-sample-api"
  },
  "host": "fugvjdxtri.execute-api.us-east-1.amazonaws.com",
  "basepath": "/stage2",
  "schemes": [
    "https"
  ],
  "paths": {
    "/": {
      "get": {
        "consumes": [
          "application/json"
        ],
        "produces": [
          "application/json"
        ],
        "responses": {
          "200": {
            "description": "200 response",
            "schema": {
              "$ref": "#/definitions/Empty"
            },
            "headers": {
              "Content-Type": {
                "type": "string"
              }
            }
          }
        },
        "x-amazon-apigateway-integration": {
```

```
          "credentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
          "responses": {
            "default": {
              "statusCode": "200",
              "responseParameters": {
                "method.response.header.Content-Type": "'application/xml'"
              },
              "responseTemplates": {
                "application/json": "$util.urlDecode(\"%3CkinesisStreams
%3E#foreach($stream in $input.path('$.StreamNames'))%3Cstream%3E%3Cname%3E$stream%3C/
name%3E%3C/stream%3E#end%3C/kinesisStreams%3E\")\n"
              }
            }
          },
          "requestTemplates": {
            "application/json": "{\n}"
          },
          "uri": "arn:aws:apigateway:us-east-1:kinesis:action/ListStreams",
          "passthroughBehavior": "when_no_match",
          "httpMethod": "POST",
          "requestParameters": {
            "integration.request.header.Content-Type": "'application/x-amz-json-1.1'"
          },
          "type": "aws"
        }
      }
    }
  },
  "definitions": {
    "Empty": {
      "type": "object"
    }
  }
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
```

```
        "name": "authorizer",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
        "name": "deployment",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
        "name": "model",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
restapi-{rel}.html",
        "name": "restapi",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
        "name": "stage",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/wn611yeyp3"
    },
    "authorizer:by-id": {
      "href": "/restapis/wn611yeyp3/authorizers/{authorizer_id}",
      "templated": true
    },
    "authorizer:create": {
      "href": "/restapis/wn611yeyp3/authorizers"
    },
```

```
    "deployment:by-id": {
      "href": "/restapis/wn611yeyp3/deployments/{deployment_id}{?embed}",
      "templated": true
    },
    "deployment:create": {
      "href": "/restapis/wn611yeyp3/deployments"
    },
    "model:by-name": {
      "href": "/restapis/wn611yeyp3/models/{model_name}?flatten=false",
      "templated": true
    },
    "model:create": {
      "href": "/restapis/wn611yeyp3/models"
    },
    "resource:by-id": {
      "href": "/restapis/wn611yeyp3/resources/{resource_id}{?embed}",
      "templated": true
    },
    "resource:create": {
      "href": "/restapis/wn611yeyp3/resources/s3dmsjgijc"
    },
    "restapi:authorizers": {
      "href": "/restapis/wn611yeyp3/authorizers"
    },
    "restapi:delete": {
      "href": "/restapis/wn611yeyp3"
    },
    "restapi:deployments": {
      "href": "/restapis/wn611yeyp3/deployments{?limit}",
      "templated": true
    },
    "restapi:models": {
      "href": "/restapis/wn611yeyp3/models"
    },
    "restapi:resources": {
      "href": "/restapis/wn611yeyp3/resources{?limit,embed}",
      "templated": true
    },
    "restapi:stages": {
      "href": "/restapis/wn611yeyp3/stages{?deployment_id}",
      "templated": true
    },
    "restapi:update": {
      "href": "/restapis/wn611yeyp3"
```

```
    },
    "stage:by-name": {
      "href": "/restapis/wn611yeyp3/stages/{stage_name}",
      "templated": true
    },
    "stage:create": {
      "href": "/restapis/wn611yeyp3/stages"
    }
  },
  "createdDate": "2016-06-06T23:49:37Z",
  "id": "wn611yeyp3",
  "name": "my-sample-api"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutGatewayResponse

Creates a customization of a GatewayResponse of a specified response type and status code on the given RestApi.

Request Syntax

```
PUT /restapis/restapi_id/gatewayresponses/response_type HTTP/1.1
Content-type: application/json

{
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "statusCode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

response_type

The response type of the associated GatewayResponse

Valid Values: DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE | EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE | INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE | BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE | THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

responseParameters

Response parameters (paths, query strings and headers) of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

Required: No

responseTemplates

Response templates of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

Required: No

statusCode

The HTTP status code of the GatewayResponse.

Type: String

Pattern: `[1-5]\d\d`

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "defaultResponse": boolean,
   "responseParameters": {
      "string" : "string"
```

```
   },
   "responseTemplates": {
      "string" : "string"
   },
   "responseType": "string",
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

defaultResponse

A Boolean flag to indicate whether this GatewayResponse is the default gateway response (`true`) or not (`false`). A default gateway response is one generated by API Gateway without any customization by an API developer.

Type: Boolean

responseParameters

Response parameters (paths, query strings and headers) of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

responseTemplates

Response templates of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

responseType

The response type of the associated GatewayResponse.

Type: String

Valid Values: `DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE`

```
| AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE |
EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE |
INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE
| BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE |
THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED
```

statusCode

The HTTP status code for this GatewayResponse.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Set up a Gateway Response of a given response type

This example illustrates one usage of PutGatewayResponse.

Sample Request

```
PUT /restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN HTTP/1.1
Host: beta-apigateway.us-east-1.amazonaws.com
Content-Type: application/json
X-Amz-Date: 20170503T201609Z
Authorization: AWS4-HMAC-SHA256 Credential={access-key-id}/20170503/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature=15e138ede132fa8c35c665412f407bd23a9993bdc79b3bef22f1ccccc4c6fac1
Cache-Control: no-cache
Postman-Token: 639177c3-627e-3566-a367-7746659d2360

{
  "statusCode" : "404",
  "responseParameters" : {
      "gatewayresponse.header.x-request-path": "method.request.path.petId",
      "gatewayresponse.header.Access-Control-Allow-Origin": "'a.b.c'",
      "gatewayresponse.header.x-request-query": "method.request.querystring.q",
      "gatewayresponse.header.x-request-header": "method.request.header.Accept"
  },
  "responseTemplates" : {
      "application/json": "{\n     \"message\": $context.error.messageString,\n
  \"type\":  \"$context.error.responseType\",\n     \"stage\":  \"$context.stage\",
\n     \"resourcePath\":  \"$context.resourcePath\",\n     \"stageVariables.a\":
 \"$stageVariables.a\",\n     \"statusCode\": \"'404'\"\n}"
```

```
  }
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
gatewayresponse-{rel}.html",
      "name": "gatewayresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    },
    "gatewayresponse:delete": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    },
    "gatewayresponse:put": {
      "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
      "templated": true
    },
    "gatewayresponse:update": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    }
  },
  "defaultResponse": false,
  "responseParameters": {
    "gatewayresponse.header.x-request-path": "method.request.path.petId",
    "gatewayresponse.header.Access-Control-Allow-Origin": "'a.b.c'",
    "gatewayresponse.header.x-request-query": "method.request.querystring.q",
    "gatewayresponse.header.x-request-header": "method.request.header.Accept"
  },
  "responseTemplates": {
    "application/json": "{\n     \"message\": $context.error.messageString,\n
 \"type\":  \"$context.error.responseType\",\n     \"stage\":  \"$context.stage\",
\n     \"resourcePath\":  \"$context.resourcePath\",\n     \"stageVariables.a\":
 \"$stageVariables.a\",\n     \"statusCode\": \"'404'\"\n}"
  },
  "responseType": "MISSING_AUTHENTICATION_TOKEN",
  "statusCode": "404"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutIntegration

Sets up a method's integration.

Request Syntax

```
PUT /restapis/restapi_id/resources/resource_id/methods/http_method/integration HTTP/1.1
Content-type: application/json

{
   "cacheKeyParameters": [ "string" ],
   "cacheNamespace": "string",
   "connectionId": "string",
   "connectionType": "string",
   "contentHandling": "string",
   "credentials": "string",
   "httpMethod": "string",
   "integrationTarget": "string",
   "passthroughBehavior": "string",
   "requestParameters": {
      "string" : "string"
   },
   "requestTemplates": {
      "string" : "string"
   },
   "responseTransferMode": "string",
   "timeoutInMillis": number,
   "tlsConfig": {
      "insecureSkipVerification": boolean
   },
   "type": "string",
   "uri": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies the HTTP method for the integration.

Required: Yes

resource_id

Specifies a put integration request's resource ID.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

cacheKeyParameters

A list of request parameters whose values API Gateway caches. To be valid values for `cacheKeyParameters`, these parameters must also be specified for Method `requestParameters`.

Type: Array of strings

Required: No

cacheNamespace

Specifies a group of related cached parameters. By default, API Gateway uses the resource ID as the `cacheNamespace`. You can specify the same `cacheNamespace` across resources to return the same cached data for requests to different resources.

Type: String

Required: No

connectionId

The ID of the VpcLink used for the integration. Specify this value only if you specify `VPC_LINK` as the connection type.

Type: String

Required: No

connectionType

The type of the network connection to the integration endpoint. The valid value is `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and a network load balancer in a VPC. The default value is `INTERNET`.

Type: String

Valid Values: `INTERNET | VPC_LINK`

Required: No

contentHandling

Specifies how to handle request payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the request payload will be passed through from the method request to integration request without modification, provided that the `passthroughBehavior` is configured to support payload pass-through.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

Required: No

credentials

Specifies whether credentials are required for a put integration.

Type: String

Required: No

httpMethod

The HTTP method for the integration.

Type: String

Required: No

integrationTarget

The ALB or NLB listener to send the request to.

Type: String

Required: No

passthroughBehavior

Specifies the pass-through behavior for incoming requests based on the Content-Type header in the request, and the available mapping templates specified as the `requestTemplates` property on the Integration resource. There are three valid values: `WHEN_NO_MATCH`, `WHEN_NO_TEMPLATES`, and `NEVER`.

Type: String

Required: No

requestParameters

A key-value map specifying request parameters that are passed from the method request to the back end. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the back end. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` must be a valid and unique method request parameter name.

Type: String to string map

Required: No

requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value.

Type: String to string map

Required: No

responseTransferMode

The response transfer mode of the integration.

Type: String

Valid Values: `BUFFERED | STREAM`

Required: No

timeoutInMillis

Custom timeout between 50 and 29,000 milliseconds. The default value is 29,000 milliseconds or 29 seconds. You can increase the default value to longer than 29 seconds for Regional or private APIs only.

Type: Integer

Required: No

tlsConfig

Specifies the TLS configuration for an integration.

Type: TlsConfig object

Required: No

type

Specifies a put integration input's type.

Type: String

Valid Values: `HTTP | AWS | MOCK | HTTP_PROXY | AWS_PROXY`

Required: Yes

uri

Specifies the Uniform Resource Identifier (URI) of the integration endpoint. For `HTTP` or `HTTP_PROXY` integrations, the URI must be a fully formed, encoded HTTP(S) URL according to the RFC-3986 specification, and use a valid top-level domain. For a private HTTP integration with a `connectionType` of `VPC_LINK`, the URI is not used for routing. For `AWS` or `AWS_PROXY` integrations, the URI is of the form `arn:aws:apigateway:{region}:{subdomain.service|service}:path|action/{service_api}`. Here, {Region} is the API Gateway region (e.g., us-east-1); {service} is the name of the integrated AWS service (e.g., s3); and {subdomain} is a designated subdomain supported by certain AWS service for fast host-name lookup. action can be used for an AWS service action-based API, using an Action={name}&{p1}={v1}&p2={v2}... query string. The ensuing {service_api} refers to a supported action {name} plus any required input parameters. Alternatively, path can be used for an AWS service path-based API. The ensuing service_api refers to the path to an AWS service resource, including the region of

the integrated AWS service, if applicable. For example, for integration with the S3 API of `GetObject`, the `uri` can be either `arn:aws:apigateway:us-west-2:s3:action/GetObject&Bucket={bucket}&Key={key}` or `arn:aws:apigateway:us-west-2:s3:path/{bucket}/{key}`.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "cacheKeyParameters": [ "string" ],
   "cacheNamespace": "string",
   "connectionId": "string",
   "connectionType": "string",
   "contentHandling": "string",
   "credentials": "string",
   "httpMethod": "string",
   "integrationResponses": {
      "string" : {
         "contentHandling": "string",
         "responseParameters": {
            "string" : "string"
         },
         "responseTemplates": {
            "string" : "string"
         },
         "selectionPattern": "string",
         "statusCode": "string"
      }
   },
   "integrationTarget": "string",
   "passthroughBehavior": "string",
   "requestParameters": {
      "string" : "string"
   },
   "requestTemplates": {
      "string" : "string"
```

```
    },
    "responseTransferMode": "string",
    "timeoutInMillis": number,
    "tlsConfig": {
       "insecureSkipVerification": boolean
    },
    "type": "string",
    "uri": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

cacheKeyParameters

A list of request parameters whose values API Gateway caches. To be valid values for `cacheKeyParameters`, these parameters must also be specified for Method `requestParameters`.

Type: Array of strings

cacheNamespace

Specifies a group of related cached parameters. By default, API Gateway uses the resource ID as the `cacheNamespace`. You can specify the same `cacheNamespace` across resources to return the same cached data for requests to different resources.

Type: String

connectionId

The ID of the VpcLink used for the integration when `connectionType=VPC_LINK` and undefined, otherwise.

Type: String

connectionType

The type of the network connection to the integration endpoint. The valid value is `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and a network load balancer in a VPC. The default value is `INTERNET`.

Type: String

Valid Values: `INTERNET | VPC_LINK`

contentHandling

Specifies how to handle request payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the request payload will be passed through from the method request to integration request without modification, provided that the `passthroughBehavior` is configured to support payload pass-through.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

credentials

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::\*:user/\*`. To use resource-based permissions on supported AWS services, specify null.

Type: String

httpMethod

Specifies the integration's HTTP method type. For the Type property, if you specify `MOCK`, this property is optional. For Lambda integrations, you must set the integration method to `POST`. For all other types, you must specify this property.

Type: String

integrationResponses

Specifies the integration's responses.

Type: String to IntegrationResponse object map

integrationTarget

The ALB or NLB listener to send the request to.

Type: String

passthroughBehavior

Specifies how the method request body of an unmapped content type will be passed through the integration request to the back end without transformation. A content type is unmapped if no mapping template is defined in the integration or the content type does not match any of the mapped content types, as specified in `requestTemplates`. The valid value is one of the following: `WHEN_NO_MATCH`: passes the method request body through the integration request to the back end without transformation when the method request content type does not match any content type associated with the mapping templates defined in the integration request. `WHEN_NO_TEMPLATES`: passes the method request body through the integration request to the back end without transformation when no mapping template is defined in the integration request. If a template is defined when this option is selected, the method request of an unmapped content-type will be rejected with an HTTP 415 Unsupported Media Type response. `NEVER`: rejects the method request with an HTTP 415 Unsupported Media Type response when either the method request content type does not match any content type associated with the mapping templates defined in the integration request or no mapping template is defined in the integration request.

Type: String

requestParameters

A key-value map specifying request parameters that are passed from the method request to the back end. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the back end. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` must be a valid and unique method request parameter name.

Type: String to string map

requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value.

Type: String to string map

responseTransferMode

The response transfer mode of the integration.

Type: String

Valid Values: `BUFFERED` | `STREAM`

timeoutInMillis

Custom timeout between 50 and 29,000 milliseconds. The default value is 29,000 milliseconds or 29 seconds. You can increase the default value to longer than 29 seconds for Regional or private APIs only.

Type: Integer

tlsConfig

Specifies the TLS configuration for an integration.

Type: TlsConfig object

type

Specifies an API method integration type. The valid value is one of the following:

For the HTTP and HTTP proxy integrations, each integration can specify a protocol (`http/https`), port and path. Standard 80 and 443 ports are supported as well as custom ports above 1024. An HTTP or HTTP proxy integration with a `connectionType` of `VPC_LINK` is referred to as a private integration and uses a VpcLink to connect API Gateway to a network load balancer of a VPC.

Type: String

Valid Values: `HTTP` | `AWS` | `MOCK` | `HTTP_PROXY` | `AWS_PROXY`

uri

Specifies Uniform Resource Identifier (URI) of the integration endpoint.

For `HTTP` or `HTTP_PROXY` integrations, the URI must be a fully formed, encoded HTTP(S) URL according to the RFC-3986 specification for standard integrations. If `connectionType` is `VPC_LINK` specify the Network Load Balancer DNS name. For `AWS` or `AWS_PROXY` integrations, the URI is of the form `arn:aws:apigateway:{region}:{subdomain.service|service}:path|action/{service_api}`. Here, {Region} is the API Gateway region (e.g., us-east-1); {service} is the name of the integrated AWS service (e.g., s3); and {subdomain} is a designated subdomain supported by certain AWS service for fast host-name lookup. action can

be used for an AWS service action-based API, using an Action={name}&{p1}={v1}&p2={v2}... query string. The ensuing {service_api} refers to a supported action {name} plus any required input parameters. Alternatively, path can be used for an AWS service path-based API. The ensuing service_api refers to the path to an AWS service resource, including the region of the integrated AWS service, if applicable. For example, for integration with the S3 API of GetObject, the uri can be either `arn:aws:apigateway:us-west-2:s3:action/GetObject&Bucket={bucket}&Key={key}` or `arn:aws:apigateway:us-west-2:s3:path/{bucket}/{key}`

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Integrate an HTTP GET method with the ListStreams action in Amazon Kinesis

This example illustrates one usage of PutIntegration.

Sample Request

```
PUT /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160602T194050Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "type" : "AWS",
  "httpMethod" : "POST",
  "uri" : "arn:aws:apigateway:us-east-1:kinesis:action/ListStreams",
  "credentials" : "arn:aws:iam::123456789012:role/apigAwsProxyRole",
  "requestParameters" : {
    "integration.request.header.Content-Type": "'application/x-amz-json-1.1'"
  },
  "requestTemplates" : {
    "application/json": "{\n}"
  },
  "passthroughBehavior" : "WHEN_NO_MATCH"
}
```

Sample Response

```
{
  "_links": {
```

```
    "curies": [
      ...
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "integration:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "integration:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "integrationresponse:put": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/{status_code}",
      "templated": true
    }
  },
  "cacheKeyParameters": [],
  "cacheNamespace": "3kzxbg5sa2",
  "credentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
  "httpMethod": "POST",
  "passthroughBehavior": "WHEN_NO_MATCH",
  "requestParameters": {
    "integration.request.header.Content-Type": "'application/x-amz-json-1.1'"
  },
  "requestTemplates": {
    "application/json": "{\n}"
  },
  "type": "AWS",
  "uri": "arn:aws:apigateway:us-east-1:kinesis:action/ListStreams"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutIntegrationResponse

Represents a put integration.

Request Syntax

```
PUT /restapis/restapi_id/resources/resource_id/methods/http_method/integration/
responses/status_code HTTP/1.1
Content-type: application/json

{
   "contentHandling": "string",
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "selectionPattern": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies a put integration response request's HTTP method.

Required: Yes

resource_id

Specifies a put integration response request's resource identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

Specifies the status code that is used to map the integration response to an existing MethodResponse.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request accepts the following data in JSON format.

contentHandling

Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the response payload will be passed through from the integration response to the method response without modification.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

Required: No

responseParameters

A key-value map specifying response parameters that are passed to the method response from the back end. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` must be a valid and unique response header name and `JSON-expression` a valid JSON expression without the $ prefix.

Type: String to string map

Required: No

responseTemplates

Specifies a put integration response's templates.

Type: String to string map

Required: No

selectionPattern

Specifies the selection pattern of a put integration response.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "contentHandling": "string",
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "selectionPattern": "string",
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

contentHandling

Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the response payload will be passed through from the integration response to the method response without modification.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

responseParameters

A key-value map specifying response parameters that are passed to the method response from the back end. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` is a valid and unique response header name and `JSON-expression` is a valid JSON expression without the $ prefix.

Type: String to string map

responseTemplates

Specifies the templates used to transform the integration response body. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

Type: String to string map

selectionPattern

Specifies the regular expression (regex) pattern used to choose an integration response based on the response from the back end. For example, if the success response returns nothing and the error response returns some string, you could use the `.+` regex to match error response. However, make sure that the error response does not contain any newline (\n) character in such cases. If the back end is an AWS Lambda function, the AWS Lambda function error header is matched. For all other HTTP and AWS back ends, the HTTP status code is matched.

Type: String

statusCode

Specifies the status code that is used to map the integration response to an existing MethodResponse.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Set up an integration response

This example illustrates one usage of PutIntegrationResponse.

Sample Request

```
PUT /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/responses/200
 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160602T233930Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "selectionPattern" : "2\d{2}",
  "responseParameters" : {
    "method.response.header.Content-Type" : "'application/json'"
  }
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-response-{rel}.html",
      "name": "integrationresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200",
      "title": "200"
    },
    "integrationresponse:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
    },
```

```
    "integrationresponse:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
    }
  },
  "responseParameters": {
    "method.response.header.Content-Type": "'application/json'"
  },
  "selectionPattern": "2\d{2}",
  "statusCode": "200"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutMethod

Add a method to an existing Resource resource.

Request Syntax

```
PUT /restapis/restapi_id/resources/resource_id/methods/http_method HTTP/1.1
Content-type: application/json

{
   "apiKeyRequired": boolean,
   "authorizationScopes": [ "string" ],
   "authorizationType": "string",
   "authorizerId": "string",
   "operationName": "string",
   "requestModels": {
      "string" : "string"
   },
   "requestParameters": {
      "string" : boolean
   },
   "requestValidatorId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies the method request's HTTP method type.

Required: Yes

resource_id

The Resource identifier for the new Method resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

apiKeyRequired

Specifies whether the method required a valid ApiKey.

Type: Boolean

Required: No

authorizationScopes

A list of authorization scopes configured on the method. The scopes are used with a `COGNITO_USER_POOLS` authorizer to authorize the method invocation. The authorization works by matching the method scopes against the scopes parsed from the access token in the incoming request. The method invocation is authorized if any method scopes matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the method scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

Type: Array of strings

Required: No

authorizationType

The method's authorization type. Valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, `CUSTOM` for using a custom authorizer, or `COGNITO_USER_POOLS` for using a Cognito user pool.

Type: String

Required: Yes

authorizerId

Specifies the identifier of an Authorizer to use on this Method, if the type is CUSTOM or COGNITO_USER_POOLS. The authorizer identifier is generated by API Gateway when you created the authorizer.

Type: String

Required: No

operationName

A human-friendly operation identifier for the method. For example, you can assign the `operationName` of `ListPets` for the `GET /pets` method in the `PetStore` example.

Type: String

Required: No

requestModels

Specifies the Model resources used for the request's content type. Request models are represented as a key/value map, with a content type as the key and a Model name as the value.

Type: String to string map

Required: No

requestParameters

A key-value map defining required or optional method request parameters that can be accepted by API Gateway. A key defines a method request parameter name matching the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` is a valid and unique parameter name. The value associated with the key is a Boolean flag indicating whether the parameter is required (`true`) or optional (`false`). The method request parameter names defined here are available in Integration to be mapped to integration request parameters or body-mapping templates.

Type: String to boolean map

Required: No

requestValidatorId

The identifier of a RequestValidator for validating the method request.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "apiKeyRequired": boolean,
   "authorizationScopes": [ "string" ],
   "authorizationType": "string",
   "authorizerId": "string",
   "httpMethod": "string",
   "methodIntegration": {
      "cacheKeyParameters": [ "string" ],
      "cacheNamespace": "string",
      "connectionId": "string",
      "connectionType": "string",
      "contentHandling": "string",
      "credentials": "string",
      "httpMethod": "string",
      "integrationResponses": {
         "string" : {
            "contentHandling": "string",
            "responseParameters": {
               "string" : "string"
            },
            "responseTemplates": {
               "string" : "string"
            },
            "selectionPattern": "string",
            "statusCode": "string"
         }
      },
      "integrationTarget": "string",
      "passthroughBehavior": "string",
      "requestParameters": {
         "string" : "string"
      },
      "requestTemplates": {
         "string" : "string"
      },
      "responseTransferMode": "string",
      "timeoutInMillis": number,
      "tlsConfig": {
```

```
            "insecureSkipVerification": boolean
         },
         "type": "string",
         "uri": "string"
      },
      "methodResponses": {
         "string" : {
            "responseModels": {
               "string" : "string"
            },
            "responseParameters": {
               "string" : boolean
            },
            "statusCode": "string"
         }
      },
      "operationName": "string",
      "requestModels": {
         "string" : "string"
      },
      "requestParameters": {
         "string" : boolean
      },
      "requestValidatorId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

apiKeyRequired

A boolean flag specifying whether a valid ApiKey is required to invoke this method.

Type: Boolean

authorizationScopes

A list of authorization scopes configured on the method. The scopes are used with a `COGNITO_USER_POOLS` authorizer to authorize the method invocation. The authorization works by matching the method scopes against the scopes parsed from the access token in the

incoming request. The method invocation is authorized if any method scopes matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the method scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

Type: Array of strings

authorizationType

The method's authorization type. Valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, `CUSTOM` for using a custom authorizer, or `COGNITO_USER_POOLS` for using a Cognito user pool.

Type: String

authorizerId

The identifier of an authorizer to use on this method. The method's authorization type must be `CUSTOM` or `COGNITO_USER_POOLS`.

Type: String

httpMethod

The method's HTTP verb.

Type: String

methodIntegration

Gets the method's integration responsible for passing the client-submitted request to the back end and performing necessary transformations to make the request compliant with the back end.

Type: Integration object

methodResponses

Gets a method response associated with a given HTTP status code.

Type: String to MethodResponse object map

operationName

A human-friendly operation identifier for the method. For example, you can assign the `operationName` of `ListPets` for the `GET /pets` method in the `PetStore` example.

Type: String

requestModels

A key-value map specifying data schemas, represented by Model resources, (as the mapped value) of the request payloads of given content types (as the mapping key).

Type: String to string map

requestParameters

A key-value map defining required or optional method request parameters that can be accepted by API Gateway. A key is a method request parameter name matching the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` is a valid and unique parameter name. The value associated with the key is a Boolean flag indicating whether the parameter is required (`true`) or optional (`false`). The method request parameter names defined here are available in Integration to be mapped to integration request parameters or templates.

Type: String to boolean map

requestValidatorId

The identifier of a RequestValidator for request validation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Create a GET method on an API's root resource

This example illustrates one usage of PutMethod.

Sample Request

```
PUT /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160602T180831Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "authorizationType" : "NONE"
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      ...
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET",
      "name": "GET",
      "title": "GET"
    },
    "integration:put": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "method:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET"
    },
    "method:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET"
    },
    "methodresponse:put": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/responses/
{status_code}",
      "templated": true
    }
  },
  "apiKeyRequired": false,
  "authorizationType": "NONE",
  "httpMethod": "GET"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutMethodResponse

Adds a MethodResponse to an existing Method resource.

Request Syntax

```
PUT /restapis/restapi_id/resources/resource_id/methods/http_method/
responses/status_code HTTP/1.1
Content-type: application/json

{
   "responseModels": {
      "string" : "string"
   },
   "responseParameters": {
      "string" : boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

The HTTP verb of the Method resource.

Required: Yes

resource_id

The Resource identifier for the Method resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

The method response's status code.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request accepts the following data in JSON format.

responseModels

Specifies the Model resources used for the response's content type. Response models are represented as a key/value map, with a content type as the key and a Model name as the value.

Type: String to string map

Required: No

responseParameters

A key-value map specifying required or optional response parameters that API Gateway can send back to the caller. A key defines a method response header name and the associated value is a Boolean flag indicating whether the method response parameter is required or not. The method response header names must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The response parameter names defined here are available in the integration response to be mapped from an integration response header expressed in `integration.response.header.{name}`, a static value enclosed within a pair of single quotes (e.g., `'application/json'`), or a JSON expression from the back-end response payload in the form of `integration.response.body.{JSON-expression}`, where `JSON-expression` is a valid JSON expression without the $ prefix.)

Type: String to boolean map

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{
   "responseModels": {
      "string" : "string"
   },
   "responseParameters": {
      "string" : boolean
   },
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

responseModels

Specifies the Model resources used for the response's content-type. Response models are represented as a key/value map, with a content-type as the key and a Model name as the value.

Type: String to string map

responseParameters

A key-value map specifying required or optional response parameters that API Gateway can send back to the caller. A key defines a method response header and the value specifies whether the associated method response header is required or not. The expression of the key must match the pattern `method.response.header.{name}`, where `name` is a valid and unique header name. API Gateway passes certain integration response data to the method response headers specified here according to the mapping you prescribe in the API's IntegrationResponse. The integration response data that can be mapped include an integration response header expressed in `integration.response.header.{name}`, a static value enclosed within a pair of single quotes (e.g., `'application/json'`), or a JSON expression from the back-end response payload in the form of `integration.response.body.{JSON-expression}`, where `JSON-expression` is a valid JSON expression without the $ prefix.)

Type: String to boolean map

statusCode

The method response's status code.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Set up a method response with an optional Content-Type header

This example illustrates one usage of PutMethodResponse.

Sample Request

```
PUT /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/responses/200 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160603T004142Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160603/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "responseParameters" : {
        "method.response.header.Content-Type" : false
    },
    "responseModels" : {
        "application/json" : "Empty"
    }
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-response-{rel}.html",
      "name": "methodresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/responses/200",
      "title": "200"
    },
    "methodresponse:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/responses/200"
    },
    "methodresponse:update": {
```

```
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/responses/200"
    }
  },
  "responseModels": {
    "application/json": "Empty"
  },
  "responseParameters": {
    "method.response.header.Content-Type": false
  },
  "statusCode": "200"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutRestApi

A feature of the API Gateway control service for updating an existing API with an input of external API definitions. The update can take the form of merging the supplied definition into the existing API or overwriting the existing API.

Request Syntax

```
PUT /restapis/restapi_id?parameters&failonwarnings=failOnWarnings&mode=mode HTTP/1.1

body
```

URI Request Parameters

The request uses the following URI parameters.

failOnWarnings

A query parameter to indicate whether to rollback the API update (`true`) or not (`false`) when a warning is encountered. The default value is `false`.

mode

The `mode` query parameter to specify the update mode. Valid values are "merge" and "overwrite". By default, the update mode is "merge".

> **Important**
>
> When you use `overwrite` mode, the entire API definition is replaced. Any API configurations not explicitly included in the import body are reset to their default values. To preserve existing configurations, use `merge` mode, or ensure that your OpenAPI definition includes all desired API configuration settings, such as API Gateway extensions.

Valid Values: `merge | overwrite`

parameters

Custom header parameters as part of the request. For example, to exclude DocumentationParts from an imported API, set `ignore=documentation` as a `parameters` value, as in

the AWS CLI command of `aws apigateway import-rest-api --parameters ignore=documentation --body 'file:///path/to/imported-api-body.json'`.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following binary data.

body

The PUT request body containing external API definitions. Currently, only OpenAPI definition JSON/YAML files are supported. The maximum size of the API definition file is 6MB.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeySource": "string",
   "apiStatus": "string",
   "apiStatusMessage": "string",
   "binaryMediaTypes": [ "string" ],
   "createdDate": number,
   "description": "string",
   "disableExecuteApiEndpoint": boolean,
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "id": "string",
   "minimumCompressionSize": number,
   "name": "string",
```

```
   "policy": "string",
   "rootResourceId": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   },
   "version": "string",
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: >HEADER to read the API key from the X-API-Key header of a request. AUTHORIZER to read the API key from the UsageIdentifierKey from a custom authorizer.

Type: String

Valid Values: HEADER | AUTHORIZER

apiStatus

The ApiStatus of the RestApi.

Type: String

Valid Values: UPDATING | AVAILABLE | PENDING | FAILED

apiStatusMessage

The status message of the RestApi. When the status message is UPDATING you can still invoke it.

Type: String

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

createdDate

The timestamp when the API was created.

Type: Timestamp

description

The API's description.

Type: String

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

Type: Boolean

endpointAccessMode

The endpoint access mode of the RestApi.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

id

The API's identifier. This identifier is unique across all of your APIs in API Gateway.

Type: String

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When

compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

name

The API's name.

Type: String

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

rootResourceId

The API's root resource ID.

Type: String

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

version

A version identifier for the API.

Type: String

warnings

The warning messages reported when `failonwarnings` is turned on during API import.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Merge a supplied OpenAPI API definition with an existing API

This example illustrates one usage of PutRestApi.

Sample Request

```
PUT /restapis/wn611yeyp3?mode=merge HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160607T154932Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160607/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "swagger": "2.0",
  "info": {
    "version": "2016-06-07T15:48:21Z",
    "title": "HelloWorld"
  },
  "host": "vys2gggws7.execute-api.us-east-1.amazonaws.com",
  "basepath": "/test",
  "schemes": [
    "https"
  ],
  "paths": {
    "/gello": {
      "get": {
        "consumes": [
          "application/json"
        ],
        "produces": [
          "application/json"
        ],
        "responses": {
          "200": {
            "description": "200 response",
            "schema": {
              "$ref": "#/definitions/Empty"
            }
          }
```

```
        },
        "x-amazon-apigateway-integration": {
          "responses": {
            "default": {
              "statusCode": "200"
            }
          },
          "requestTemplates": {
            "application/json": "{}"
          },
          "uri": "arn:aws:apigateway:us-east-1:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-east-1:123456789012:function:GetHelloWorld/invocations",
          "passthroughBehavior": "when_no_match",
          "httpMethod": "POST",
          "type": "aws"
        }
      },
      "post": {
        "produces": [
          "application/json"
        ],
        "responses": {
          "200": {
            "description": "200 response",
            "schema": {
              "$ref": "#/definitions/Empty"
            }
          }
        },
        "x-amazon-apigateway-integration": {
          "responses": {
            "default": {
              "statusCode": "200"
            }
          },
          "uri": "arn:aws:apigateway:us-east-1:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-east-1:123456789012:function:GetHelloWorldName/invocations",
          "passthroughBehavior": "when_no_match",
          "httpMethod": "POST",
          "type": "aws"
        }
      }
    },
    "/hello": {
```

```
      "get": {
        "produces": [
          "application/json"
        ],
        "responses": {
          "200": {
            "description": "200 response",
            "schema": {
              "$ref": "#/definitions/Empty"
            },
            "headers": {
              "Access-Control-Allow-Origin": {
                "type": "string"
              }
            }
          }
        },
        "x-amazon-apigateway-integration": {
          "responses": {
            "default": {
              "statusCode": "200",
              "responseParameters": {
                "method.response.header.Access-Control-Allow-Origin": "'*'"
              }
            }
          },
          "uri": "https://example.com",
          "passthroughBehavior": "when_no_match",
          "httpMethod": "GET",
          "type": "http"
        }
      },
      "options": {
        "consumes": [
          "application/json"
        ],
        "produces": [
          "application/json"
        ],
        "responses": {
          "200": {
            "description": "200 response",
            "schema": {
              "$ref": "#/definitions/Empty"
```

```
            },
            "headers": {
              "Access-Control-Allow-Origin": {
                "type": "string"
              },
              "Access-Control-Allow-Methods": {
                "type": "string"
              },
              "Access-Control-Allow-Headers": {
                "type": "string"
              }
            }
          }
        },
        "x-amazon-apigateway-integration": {
          "responses": {
            "default": {
              "statusCode": "200",
              "responseParameters": {
                "method.response.header.Access-Control-Allow-Methods": "'GET,OPTIONS'",
                "method.response.header.Access-Control-Allow-Headers": "'Content-
Type,X-Amz-Date,Authorization,X-Api-Key,X-Amz-Security-Token'",
                "method.response.header.Access-Control-Allow-Origin": "'*'"
              }
            }
          },
          "requestTemplates": {
            "application/json": "{\"statusCode\": 200}"
          },
          "passthroughBehavior": "when_no_match",
          "type": "mock"
        }
      }
    }
  },
  "definitions": {
    "Empty": {
      "type": "object"
    }
  }
}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
        "name": "authorizer",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
        "name": "deployment",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
        "name": "model",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
restapi-{rel}.html",
        "name": "restapi",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
        "name": "stage",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/wn611yeyp3"
```

```
    },
    "authorizer:by-id": {
      "href": "/restapis/wn611yeyp3/authorizers/{authorizer_id}",
      "templated": true
    },
    "authorizer:create": {
      "href": "/restapis/wn611yeyp3/authorizers"
    },
    "deployment:by-id": {
      "href": "/restapis/wn611yeyp3/deployments/{deployment_id}{?embed}",
      "templated": true
    },
    "deployment:create": {
      "href": "/restapis/wn611yeyp3/deployments"
    },
    "model:by-name": {
      "href": "/restapis/wn611yeyp3/models/{model_name}?flatten=false",
      "templated": true
    },
    "model:create": {
      "href": "/restapis/wn611yeyp3/models"
    },
    "resource:by-id": {
      "href": "/restapis/wn611yeyp3/resources/{resource_id}{?embed}",
      "templated": true
    },
    "resource:create": {
      "href": "/restapis/wn611yeyp3/resources/s3dmsjgijc"
    },
    "restapi:authorizers": {
      "href": "/restapis/wn611yeyp3/authorizers"
    },
    "restapi:delete": {
      "href": "/restapis/wn611yeyp3"
    },
    "restapi:deployments": {
      "href": "/restapis/wn611yeyp3/deployments{?limit}",
      "templated": true
    },
    "restapi:models": {
      "href": "/restapis/wn611yeyp3/models"
    },
    "restapi:resources": {
      "href": "/restapis/wn611yeyp3/resources{?limit,embed}",
```

```
      "templated": true
    },
    "restapi:stages": {
      "href": "/restapis/wn611yeyp3/stages{?deployment_id}",
      "templated": true
    },
    "restapi:update": {
      "href": "/restapis/wn611yeyp3"
    },
    "stage:by-name": {
      "href": "/restapis/wn611yeyp3/stages/{stage_name}",
      "templated": true
    },
    "stage:create": {
      "href": "/restapis/wn611yeyp3/stages"
    }
  },
  "createdDate": "2016-06-06T23:49:37Z",
  "id": "wn611yeyp3",
  "name": "HelloWorld"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RejectDomainNameAccessAssociation

Rejects a domain name access association with a private custom domain name.

To reject a domain name access association with an access association source in another AWS account, use this operation. To remove a domain name access association with an access association source in your own account, use the DeleteDomainNameAccessAssociation operation.

Request Syntax

```
POST /rejectdomainnameaccessassociations?
domainNameAccessAssociationArn=domainNameAccessAssociationArn&domainNameArn=domainNameArn
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domainNameAccessAssociationArn

The ARN of the domain name access association resource.

Required: Yes

domainNameArn

The ARN of the domain name.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Adds or updates a tag on a given resource.

Request Syntax

```
PUT /tags/resource_arn HTTP/1.1
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resource_arn

The ARN of a resource that can be tagged.

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The key-value map of strings. The valid character set is [a-zA-Z+-=._:/]. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TestInvokeAuthorizer

Simulate the execution of an Authorizer in your RestApi with headers, parameters, and an incoming request body.

Request Syntax

```
POST /restapis/restapi_id/authorizers/authorizer_id HTTP/1.1
Content-type: application/json

{
   "additionalContext": {
      "string" : "string"
   },
   "body": "string",
   "headers": {
      "string" : "string"
   },
   "multiValueHeaders": {
      "string" : [ "string" ]
   },
   "pathWithQueryString": "string",
   "stageVariables": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

authorizer_id

Specifies a test invoke authorizer request's Authorizer ID.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

additionalContext

A key-value map of additional context variables.

Type: String to string map

Required: No

body

The simulated request body of an incoming invocation request.

Type: String

Required: No

headers

A key-value map of headers to simulate an incoming invocation request. This is where the incoming authorization token, or identity source, should be specified.

Type: String to string map

Required: No

multiValueHeaders

The headers as a map from string to list of values to simulate an incoming invocation request. This is where the incoming authorization token, or identity source, may be specified.

Type: String to array of strings map

Required: No

pathWithQueryString

The URI path, including query string, of the simulated invocation request. Use this to specify path parameters and query string parameters.

Type: String

Required: No

stageVariables

A key-value map of stage variables to simulate an invocation on a deployed Stage.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "authorization": {
      "string" : [ "string" ]
   },
   "claims": {
      "string" : "string"
   },
   "clientStatus": number,
   "latency": number,
   "log": "string",
   "policy": "string",
   "principalId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorization

The authorization response.

Type: String to array of strings map

claims

The open identity claims, with any supported custom attributes, returned from the Cognito Your User Pool configured for the API.

Type: String to string map

clientStatus

The HTTP status code that the client would have received. Value is 0 if the authorizer succeeded.

Type: Integer

latency

The execution latency, in ms, of the test authorizer request.

Type: Long

log

The API Gateway execution log for the test authorizer request.

Type: String

policy

The JSON policy document returned by the Authorizer

Type: String

principalId

The principal identity returned by the Authorizer

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TestInvokeMethod

Simulate the invocation of a Method in your RestApi with headers, parameters, and an incoming request body.

Request Syntax

```
POST /restapis/restapi_id/resources/resource_id/methods/http_method HTTP/1.1
Content-type: application/json

{
   "body": "string",
   "clientCertificateId": "string",
   "headers": {
      "string" : "string"
   },
   "multiValueHeaders": {
      "string" : [ "string" ]
   },
   "pathWithQueryString": "string",
   "stageVariables": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies a test invoke method request's HTTP method.

Required: Yes

resource_id

Specifies a test invoke method request's resource ID.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

body

The simulated request body of an incoming invocation request.

Type: String

Required: No

clientCertificateId

A ClientCertificate identifier to use in the test invocation. API Gateway will use the certificate when making the HTTPS request to the defined back-end endpoint.

Type: String

Required: No

headers

A key-value map of headers to simulate an incoming invocation request.

Type: String to string map

Required: No

multiValueHeaders

The headers as a map from string to list of values to simulate an incoming invocation request.

Type: String to array of strings map

Required: No

pathWithQueryString

The URI path, including query string, of the simulated invocation request. Use this to specify path parameters and query string parameters.

Type: String

Required: No

stageVariables

A key-value map of stage variables to simulate an invocation on a deployed Stage.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "body": "string",
   "headers": {
      "string" : "string"
   },
   "latency": number,
   "log": "string",
   "multiValueHeaders": {
      "string" : [ "string" ]
   },
   "status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

body

The body of the HTTP response.

Type: String

headers

The headers of the HTTP response.

Type: String to string map

latency

The execution latency, in ms, of the test invoke request.

Type: Long

log

The API Gateway execution log for the test invoke request.

Type: String

multiValueHeaders

The headers of the HTTP response as a map from string to list of values.

Type: String to array of strings map

status

The HTTP status code.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Removes a tag from a given resource.

Request Syntax

```
DELETE /tags/resource_arn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resource_arn

The ARN of a resource that can be tagged.

Required: Yes

tagKeys

The Tag keys to delete.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateAccount

Changes information about the current Account resource.

Request Syntax

```
PATCH /account HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "apiKeyVersion": "string",
   "cloudwatchRoleArn": "string",
   "features": [ "string" ],
   "throttleSettings": {
      "burstLimit": number,
      "rateLimit": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeyVersion

The version of the API keys used for the account.

Type: String

cloudwatchRoleArn

The ARN of an Amazon CloudWatch role for the current Account.

Type: String

features

A list of features supported for the account. When usage plans are enabled, the features list will include an entry of `"UsagePlans"`.

Type: Array of strings

throttleSettings

Specifies the API request limits configured for the current Account.

Type: ThrottleSettings object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update an Account's CloudWatch role

The following example updates an account's CloudWatch role ARN by replacing the existing one with a new CloudWatch role ARN.

If you specify an invalid role, i.e., a role that does not permit API Gateway to invoke CloudWatch logs, you will receive an error response. If you attempt to replace the throttleSettings, in part

or as a whole, you will receive 400 Bad Request response with an error message stating that /throttleSettings value cannot be changed this way, but the /cloudwatchRoleArn value can.

Sample Request

```
PATCH /account HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160531T212738Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160531/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "patchOperations" : [{
        "op" : "replace",
        "path" : "/cloudwatchRoleArn",
        "value" : "arn:aws:iam::123456789012:role/apigAwsProxyRole"
    }]
}
```

Sample Response

```
{
    "_links": {
        "curies": {
            "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/
account-apigateway-{rel}.html",
            "name": "account",
            "templated": true
        },
        "self": {
            "href": "/account"
        },
        "account:update": {
            "href": "/account"
        }
    },
    "cloudwatchRoleArn": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
    "throttleSettings": {
        "rateLimit": 500,
        "burstLimit": 1000
    }
```

```
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateApiKey

Changes information about an ApiKey resource.

Request Syntax

```
PATCH /apikeys/api_Key HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

api_Key

The identifier of the ApiKey resource to be updated.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdDate": number,
   "customerId": "string",
   "description": "string",
   "enabled": boolean,
   "id": "string",
   "lastUpdatedDate": number,
   "name": "string",
   "stageKeys": [ "string" ],
   "tags": {
      "string" : "string"
   },
   "value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdDate

The timestamp when the API Key was created.

Type: Timestamp

customerId

An AWS Marketplace customer identifier, when integrating with the AWS SaaS Marketplace.

Type: String

description

The description of the API Key.

Type: String

enabled

Specifies whether the API Key can be used by callers.

Type: Boolean

id

The identifier of the API Key.

Type: String

lastUpdatedDate

The timestamp when the API Key was last updated.

Type: Timestamp

name

The name of the API Key.

Type: String

stageKeys

A list of Stage resources that are associated with the ApiKey resource.

Type: Array of strings

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

value

The value of the API Key.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateAuthorizer

Updates an existing Authorizer resource.

Request Syntax

```
PATCH /restapis/restapi_id/authorizers/authorizer_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

authorizer_id

The identifier of the Authorizer resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "authorizerCredentials": "string",
   "authorizerResultTtlInSeconds": number,
   "authorizerUri": "string",
   "authType": "string",
   "id": "string",
   "identitySource": "string",
   "identityValidationExpression": "string",
   "name": "string",
   "providerARNs": [ "string" ],
   "type": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

authorizerCredentials

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, specify null.

Type: String

authorizerResultTtlInSeconds

The TTL in seconds of cached authorizer results. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway will cache authorizer responses. If this field is not set, the default value is 300. The maximum value is 3600, or 1 hour.

Type: Integer

authorizerUri

Specifies the authorizer's Uniform Resource Identifier (URI). For `TOKEN` or `REQUEST` authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form `arn:aws:apigateway:{region}:lambda:path/{service_api}`, where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`.

Type: String

authType

Optional customer-defined field, used in OpenAPI imports and exports without functional impact.

Type: String

id

The identifier for the authorizer resource.

Type: String

identitySource

The identity source for which authorization is requested. For a `TOKEN` or `COGNITO_USER_POOLS` authorizer, this is required and specifies the request header mapping expression for the custom header holding the authorization token submitted by the client. For example, if the token header name is `Auth`, the header mapping expression is `method.request.header.Auth`. For the `REQUEST` authorizer, this is required when authorization caching is enabled. The value is a comma-separated string of one or more mapping expressions of the specified request parameters. For example, if an `Auth` header, a `Name` query string parameter are defined as identity sources, this value is `method.request.header.Auth, method.request.querystring.Name`. These parameters will be used to derive the authorization caching key and to perform runtime validation of the `REQUEST` authorizer by verifying all of the identity-related request parameters are present, not null and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda

function, otherwise, it returns a 401 Unauthorized response without calling the Lambda function. The valid value is a string of comma-separated mapping expressions of the specified request parameters. When the authorization caching is not enabled, this property is optional.

Type: String

identityValidationExpression

A validation expression for the incoming identity token. For `TOKEN` authorizers, this value is a regular expression. For `COGNITO_USER_POOLS` authorizers, API Gateway will match the `aud` field of the incoming token from the client against the specified regular expression. It will invoke the authorizer's Lambda function when there is a match. Otherwise, it will return a 401 Unauthorized response without calling the Lambda function. The validation expression does not apply to the `REQUEST` authorizer.

Type: String

name

The name of the authorizer.

Type: String

providerARNs

A list of the Amazon Cognito user pool ARNs for the `COGNITO_USER_POOLS` authorizer. Each element is of this format: `arn:aws:cognito-idp:{region}:{account_id}:userpool/{user_pool_id}`. For a `TOKEN` or `REQUEST` authorizer, this is not defined.

Type: Array of strings

type

The authorizer type. Valid values are `TOKEN` for a Lambda function using a single authorization token submitted in a custom header, `REQUEST` for a Lambda function using incoming request parameters, and `COGNITO_USER_POOLS` for using an Amazon Cognito user pool.

Type: String

Valid Values: `TOKEN` | `REQUEST` | `COGNITO_USER_POOLS`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a custom authorizer

The following request updates the `identitySource` property of a custom authorizer to use a different header to pass the token used by the specified custom authorizer.

Sample Request

```
PATCH /restapis/mxsmn867vb/authorizers/4unj71 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T233106Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/identitySource",
    "value" : "method.request.header.ApiAuth"
  }]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
      "name": "authorizer",
      "templated": true
    },
    "self": {
      "href": "/restapis/mxsmn867vb/authorizers/4unj71"
    },
    "authorizer:delete": {
      "href": "/restapis/mxsmn867vb/authorizers/4unj71"
    },
    "authorizer:update": {
      "href": "/restapis/mxsmn867vb/authorizers/4unj71"
    }
  },
  "authType": "custom",
  "authorizerCredentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
  "authorizerResultTtlInSeconds": 300,
  "authorizerUri": "arn:aws:apigateway:us-east-1:lambda:path/2015-03-31/functions/
arn:aws:lambda:us-east-1:123456789012:function:myApiAuthroizer/invocations",
```

```
  "id": "4unj71",
  "identitySource": "method.request.header.ApiAuth",
  "name": "my-other-cust-auth",
  "type": "TOKEN"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateBasePathMapping

Changes information about the BasePathMapping resource.

Request Syntax

```
PATCH /domainnames/domain_name/basepathmappings/base_path?domainNameId=domainNameId
 HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

base_path

The base path of the BasePathMapping resource to change.

To specify an empty base path, set this parameter to `'(none)'`.

Required: Yes

domain_name

The domain name of the BasePathMapping resource to change.

Required: Yes

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "basePath": "string",
   "restApiId": "string",
   "stage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

basePath

The base path name that callers of the API must provide as part of the URL after the domain name.

Type: String

restApiId

The string identifier of the associated RestApi.

Type: String

stage

The name of the associated stage.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update the base path mapping of an API

The following example request updates the base path (`TestApi`) of a custom domain name (`a.b.c.com`) to map to a different deployment stage (`stage2` of an API (`fugvjdxtri`).

Sample Request

```
PATCH /domainnames/a.b.c.com/basepathmappings/TestApi HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T025216Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/stage",
    "value" : "stage2"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
basepathmapping-{rel}.html",
      "name": "basepathmapping",
      "templated": true
    },
    "self": {
      "href": "/domainnames/a.b.c.com/basepathmappings/TestApi"
    },
    "basepathmapping:create": {
      "href": "/domainnames/a.b.c.com/basepathmappings"
    },
    "basepathmapping:delete": {
```

```
      "href": "/domainnames/a.b.c.com/basepathmappings/TestApi"
    },
    "basepathmapping:update": {
      "href": "/domainnames/a.b.c.com/basepathmappings/TestApi"
    }
  },
  "basepath": "TestApi",
  "restApiId": "fugvjdxtri",
  "stage": "stage2"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateClientCertificate

Changes information about an ClientCertificate resource.

Request Syntax

```
PATCH /clientcertificates/clientcertificate_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

clientcertificate_id

The identifier of the ClientCertificate resource to be updated.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "clientCertificateId": "string",
   "createdDate": number,
   "description": "string",
   "expirationDate": number,
   "pemEncodedCertificate": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

clientCertificateId

The identifier of the client certificate.

Type: String

createdDate

The timestamp when the client certificate was created.

Type: Timestamp

description

The description of the client certificate.

Type: String

expirationDate

The timestamp when the client certificate will expire.

Type: Timestamp

pemEncodedCertificate

The PEM-encoded public key of the client certificate, which can be used to configure certificate authentication in the integration endpoint .

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update the description of a client-side certificate

This example illustrates one usage of UpdateClientCertificate.

Sample Request

```
PATCH /clientcertificates/9ao60f HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T225025Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/description",
    "value" : "my second client-side cert"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
clientcertificate-{rel}.html",
      "name": "clientcertificate",
      "templated": true
    },
```

```
    "self": {
      "href": "/clientcertificates/9ao60f"
    },
    "clientcertificate:delete": {
      "href": "/clientcertificates/9ao60f"
    },
    "clientcertificate:update": {
      "href": "/clientcertificates/9ao60f"
    }
  },
  "clientCertificateId": "9ao60f",
  "createdDate": "2016-06-15T22:33:13Z",
  "description": "my second client-side cert",
  "expirationDate": "2017-06-15T22:33:13Z",
  "pemEncodedCertificate": "-----BEGIN CERTIFICATE-----\r\nMIIC6TC...yQAGEHvs=\r\n-----
END CERTIFICATE-----"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateDeployment

Changes information about a Deployment resource.

Request Syntax

```
PATCH /restapis/restapi_id/deployments/deployment_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

deployment_id

The replacement identifier for the Deployment resource to change information about.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiSummary": {
      "string" : {
         "string" : {
            "apiKeyRequired": boolean,
            "authorizationType": "string"
         }
      }
   },
   "createdDate": number,
   "description": "string",
   "id": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiSummary

A summary of the RestApi at the date and time that the deployment resource was created.

Type: String to string to MethodSnapshot object map map

createdDate

The date and time that the deployment resource was created.

Type: Timestamp

description

The description for the deployment resource.

Type: String

id

The identifier for the deployment resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

ServiceUnavailableException

The requested service is not available. For details see the accompanying error message. Retry after the specified time period.

HTTP Status Code: 503

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a deployment description

This example illustrates one usage of UpdateDeployment.

Sample Request

```
PATCH /restapis/fugvjdxtri/deployments/dzacq7 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160603T192159Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160603/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/description",
    "value" : "Updated first deployment"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
      "name": "deployment",
      "templated": true
    },
```

```
    "self": {
      "href": "/restapis/fugvjdxtri/deployments/dzacq7"
    },
    "deployment:delete": {
      "href": "/restapis/fugvjdxtri/deployments/dzacq7"
    },
    "deployment:stages": {
      "href": "/restapis/fugvjdxtri/stages?deployment_id=dzacq7"
    },
    "deployment:update": {
      "href": "/restapis/fugvjdxtri/deployments/dzacq7"
    }
  },
  "createdDate": "2016-06-03T17:56:06Z",
  "description": "Updated first deployment",
  "id": "dzacq7"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateDocumentationPart

Updates a documentation part.

Request Syntax

```
PATCH /restapis/restapi_id/documentation/parts/part_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

part_id

The identifier of the to-be-updated documentation part.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "id": "string",
   "location": {
      "method": "string",
      "name": "string",
      "path": "string",
      "statusCode": "string",
      "type": "string"
   },
   "properties": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The DocumentationPart identifier, generated by API Gateway when the `DocumentationPart` is created.

Type: String

location

The location of the API entity to which the documentation applies. Valid fields depend on the targeted API entity type. All the valid location fields are not required. If not explicitly specified, a valid location field is treated as a wildcard and associated documentation content may be inherited by matching entities, unless overridden.

Type: DocumentationPartLocation object

properties

A content map of API-specific key-value pairs describing the targeted API entity. The map must be encoded as a JSON string, e.g., `"{ \"description\": \"The API does ...\" }"`. Only OpenAPI-compliant documentation-related fields from the properties map are exported and, hence, published as part of the API entity definitions, while the original documentation parts are exported in a OpenAPI extension of `x-amazon-apigateway-documentation`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateDocumentationVersion

Updates a documentation version.

Request Syntax

```
PATCH /restapis/restapi_id/documentation/versions/doc_version HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

doc_version

The version identifier of the to-be-updated documentation version.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdDate": number,
   "description": "string",
   "version": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdDate

The date when the API documentation snapshot is created.

Type: Timestamp

description

The description of the API documentation snapshot.

Type: String

version

The version identifier of the API documentation snapshot.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateDomainName

Changes information about the DomainName resource.

Request Syntax

```
PATCH /domainnames/domain_name?domainNameId=domainNameId HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

domain_name

The name of the DomainName resource to be changed.

Required: Yes

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "certificateArn": "string",
   "certificateName": "string",
   "certificateUploadDate": number,
   "distributionDomainName": "string",
   "distributionHostedZoneId": "string",
   "domainName": "string",
   "domainNameArn": "string",
   "domainNameId": "string",
   "domainNameStatus": "string",
   "domainNameStatusMessage": "string",
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "managementPolicy": "string",
   "mutualTlsAuthentication": {
      "truststoreUri": "string",
      "truststoreVersion": "string",
      "truststoreWarnings": [ "string" ]
   },
   "ownershipVerificationCertificateArn": "string",
   "policy": "string",
   "regionalCertificateArn": "string",
   "regionalCertificateName": "string",
   "regionalDomainName": "string",
   "regionalHostedZoneId": "string",
   "routingMode": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

certificateArn

The reference to an AWS-managed certificate that will be used by edge-optimized endpoint or private endpoint for this domain name. AWS Certificate Manager is the only supported source.

Type: String

certificateName

The name of the certificate that will be used by edge-optimized endpoint or private endpoint for this domain name.

Type: String

certificateUploadDate

The timestamp when the certificate that was used by edge-optimized endpoint or private endpoint for this domain name was uploaded.

Type: Timestamp

distributionDomainName

The domain name of the Amazon CloudFront distribution associated with this custom domain name for an edge-optimized endpoint. You set up this association when adding a DNS record pointing the custom domain name to this distribution name. For more information about CloudFront distributions, see the Amazon CloudFront documentation.

Type: String

distributionHostedZoneId

The region-agnostic Amazon Route 53 Hosted Zone ID of the edge-optimized endpoint. The valid value is `Z2FDTNDATAQYW2` for all the regions. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

domainName

The custom domain name as an API host name, for example, `my-api.example.com`.

Type: String

domainNameArn

The ARN of the domain name.

Type: String

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Type: String

domainNameStatus

The status of the DomainName migration. The valid values are `AVAILABLE` and `UPDATING`. If the status is `UPDATING`, the domain cannot be modified further until the existing operation is complete. If it is `AVAILABLE`, the domain can be updated.

Type: String

Valid Values: `AVAILABLE | UPDATING | PENDING | PENDING_CERTIFICATE_REIMPORT | PENDING_OWNERSHIP_VERIFICATION | FAILED`

domainNameStatusMessage

An optional text message containing detailed information about status of the DomainName migration.

Type: String

endpointAccessMode

The endpoint access mode of the DomainName.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this DomainName showing the endpoint types and IP address types of the domain name.

Type: EndpointConfiguration object

managementPolicy

A stringified JSON policy document that applies to the API Gateway Management service for this DomainName. This policy document controls access for access association sources to create domain name access associations with this DomainName. Supported only for private custom domain names.

Type: String

mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Type: MutualTlsAuthentication object

ownershipVerificationCertificateArn

The ARN of the public certificate issued by ACM to validate ownership of your custom domain. Only required when configuring mutual TLS and using an ACM imported or private CA certificate ARN as the regionalCertificateArn.

Type: String

policy

A stringified JSON policy document that applies to the `execute-api` service for this DomainName regardless of the caller and Method configuration. Supported only for private custom domain names.

Type: String

regionalCertificateArn

The reference to an AWS-managed certificate that will be used for validating the regional domain name. AWS Certificate Manager is the only supported source.

Type: String

regionalCertificateName

The name of the certificate that will be used for validating the regional domain name.

Type: String

regionalDomainName

The domain name associated with the regional endpoint for this custom domain name. You set up this association by adding a DNS record that points the custom domain name to this regional domain name. The regional domain name is returned by API Gateway when you create a regional endpoint.

Type: String

regionalHostedZoneId

The region-specific Amazon Route 53 Hosted Zone ID of the regional endpoint. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

routingMode

The routing mode for this domain name. The routing mode determines how API Gateway sends traffic from your custom domain name to your APIs.

Type: String

Valid Values: `BASE_PATH_MAPPING_ONLY | ROUTING_RULE_ONLY | ROUTING_RULE_THEN_BASE_PATH_MAPPING`

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this DomainName.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06`

| SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Rotate the certificate name of an edge-optimized custom domain name

This example illustrates one usage of UpdateDomainName.

Sample Request

```
PATCH /domainnames/mon-api.com HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T214257Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/certificateName",
    "value" : "mon-api.com-cert-rotated-today"
    },{
    "op" : "replace",
    "path" : "/certificateArn",
    "value" : "arn:aws:acm:us-east-1:012345678910:certificate/34a95aa1-77fa-427c-
aa07-3a88bd9f3c0a"
  }]
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
basepathmapping-{rel}.html",
        "name": "basepathmapping",
        "templated": true
      },
```

```
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
domainname-{rel}.html",
        "name": "domainname",
        "templated": true
      }
    ],
    "self": {
      "href": "/domainnames/mon-api.com"
    },
    "basepathmapping:by-base-path": {
      "href": "/domainnames/mon-api.com/basepathmappings/{base_path}",
      "templated": true
    },
    "basepathmapping:create": {
      "href": "/domainnames/mon-api.com/basepathmappings"
    },
    "domainname:basepathmappings": {
      "href": "/domainnames/mon-api.com/basepathmappings{?limit}",
      "templated": true
    },
    "domainname:delete": {
      "href": "/domainnames/mon-api.com"
    },
    "domainname:update": {
      "href": "/domainnames/mon-api.com"
    }
  },
  "certificateArn": "arn:aws:acm:us-east-1:012345678910:certificate/34a95aa1-77fa-427c-
aa07-3a88bd9f3c0a",
  "certificateName": "mon-api.com-cert-rotated-today",
  "certificateUploadDate": "2016-06-15T21:14:43Z",
  "distributionDomainName": "d2ck2x1vuc8qzh.cloudfront.net",
  "domainName": "mon-api.com"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateGatewayResponse

Updates a GatewayResponse of a specified response type on the given RestApi.

Request Syntax

```
PATCH /restapis/restapi_id/gatewayresponses/response_type HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

response_type

The response type of the associated GatewayResponse.

Valid Values: DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE | EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE | INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE | BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE | THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "defaultResponse": boolean,
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "responseType": "string",
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

defaultResponse

A Boolean flag to indicate whether this GatewayResponse is the default gateway response (`true`) or not (`false`). A default gateway response is one generated by API Gateway without any customization by an API developer.

Type: Boolean

responseParameters

Response parameters (paths, query strings and headers) of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

responseTemplates

Response templates of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

responseType

The response type of the associated GatewayResponse.

Type: String

Valid Values: `DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE | EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE | INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE | BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE | THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED`

statusCode

The HTTP status code for this GatewayResponse.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a gateway response

This example illustrates one usage of UpdateGatewayResponse.

Sample Request

```
PATCH /restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN HTTP/1.1
Host: apigateway.us-east-1.amazonaws.com
Content-Type: application/json
X-Amz-Date: 20170503T070722Z
Authorization: AWS4-HMAC-SHA256 Credential={access-key-id}/20170503/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature=69cc3552631a97....875d6931c497ace2
Cache-Control: no-cache
Postman-Token: 4ffd6473-f1e9-3b91-735d-658306e319de

{
  "patchOperations" : [
  {
    "op" : "replace",
    "path" : "/statusCode",
    "value" : "444"
  }, {
    "op" : "replace",
    "path" : "/responseParameters/gatewayresponse.header.Access-Control-Allow-Origin",
    "value" : "'example.com'"
  }, {
    "op" : "add",
    "path" : "/responseTemplates/application~1xml",
    "value" : "<gatewayResponse><message>$context.error.messageString</message><type>
$context.error.responseType</type></gatewayResponse>"
  } ]
}
```

Sample Response

```
"_links": {
    "curies": {
      "href": "http://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
gatewayresponse-{rel}.html",
      "name": "gatewayresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    },
    "gatewayresponse:delete": {
```

```
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    },
    "gatewayresponse:put": {
      "href": "/restapis/o81lxisefl/gatewayresponses/{response_type}",
      "templated": true
    },
    "gatewayresponse:update": {
      "href": "/restapis/o81lxisefl/gatewayresponses/MISSING_AUTHENTICATION_TOKEN"
    }
  },
  "defaultResponse": false,
  "responseParameters": {
    "gatewayresponse.header.x-request-path": "method.request.path.petId",
    "gatewayresponse.header.Access-Control-Allow-Origin": "'example.com'",
    "gatewayresponse.header.x-request-query": "method.request.querystring.q",
    "gatewayresponse.header.x-request-header": "method.request.header.Accept"
  },
  "responseTemplates": {
    "application/xml": "<gatewayResponse><message>$context.error.messageString</
message><type>$context.error.responseType</type></gatewayResponse>",
    "application/json": "{\n     \"message\": $context.error.messageString,\n
 \"type\":  \"$context.error.responseType\",\n     \"stage\":  \"$context.stage\",
\n     \"resourcePath\":  \"$context.resourcePath\",\n     \"stageVariables.a\":
 \"$stageVariables.a\",\n     \"statusCode\": \"'404'\"\n}"
  },
  "responseType": "MISSING_AUTHENTICATION_TOKEN",
  "statusCode": "444"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateIntegration

Represents an update integration.

Request Syntax

```
PATCH /restapis/restapi_id/resources/resource_id/methods/http_method/integration
 HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Represents an update integration request's HTTP method.

Required: Yes

resource_id

Represents an update integration request's resource identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "cacheKeyParameters": [ "string" ],
   "cacheNamespace": "string",
   "connectionId": "string",
   "connectionType": "string",
   "contentHandling": "string",
   "credentials": "string",
   "httpMethod": "string",
   "integrationResponses": {
      "string" : {
         "contentHandling": "string",
         "responseParameters": {
            "string" : "string"
         },
         "responseTemplates": {
            "string" : "string"
         },
         "selectionPattern": "string",
         "statusCode": "string"
      }
   },
   "integrationTarget": "string",
   "passthroughBehavior": "string",
   "requestParameters": {
      "string" : "string"
```

```
   },
   "requestTemplates": {
      "string" : "string"
   },
   "responseTransferMode": "string",
   "timeoutInMillis": number,
   "tlsConfig": {
      "insecureSkipVerification": boolean
   },
   "type": "string",
   "uri": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

cacheKeyParameters

A list of request parameters whose values API Gateway caches. To be valid values for `cacheKeyParameters`, these parameters must also be specified for Method `requestParameters`.

Type: Array of strings

cacheNamespace

Specifies a group of related cached parameters. By default, API Gateway uses the resource ID as the `cacheNamespace`. You can specify the same `cacheNamespace` across resources to return the same cached data for requests to different resources.

Type: String

connectionId

The ID of the VpcLink used for the integration when `connectionType=VPC_LINK` and undefined, otherwise.

Type: String

connectionType

The type of the network connection to the integration endpoint. The valid value is `INTERNET` for connections through the public routable internet or `VPC_LINK` for private connections between API Gateway and a network load balancer in a VPC. The default value is `INTERNET`.

Type: String

Valid Values: `INTERNET | VPC_LINK`

contentHandling

Specifies how to handle request payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the request payload will be passed through from the method request to integration request without modification, provided that the `passthroughBehavior` is configured to support payload pass-through.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

credentials

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::\*:user/\*`. To use resource-based permissions on supported AWS services, specify null.

Type: String

httpMethod

Specifies the integration's HTTP method type. For the Type property, if you specify `MOCK`, this property is optional. For Lambda integrations, you must set the integration method to `POST`. For all other types, you must specify this property.

Type: String

integrationResponses

Specifies the integration's responses.

Type: String to IntegrationResponse object map

integrationTarget

The ALB or NLB listener to send the request to.

Type: String

passthroughBehavior

Specifies how the method request body of an unmapped content type will be passed through the integration request to the back end without transformation. A content type is unmapped if no mapping template is defined in the integration or the content type does not match any of the mapped content types, as specified in `requestTemplates`. The valid value is one of the following: `WHEN_NO_MATCH`: passes the method request body through the integration request to the back end without transformation when the method request content type does not match any content type associated with the mapping templates defined in the integration request. `WHEN_NO_TEMPLATES`: passes the method request body through the integration request to the back end without transformation when no mapping template is defined in the integration request. If a template is defined when this option is selected, the method request of an unmapped content-type will be rejected with an HTTP 415 Unsupported Media Type response. `NEVER`: rejects the method request with an HTTP 415 Unsupported Media Type response when either the method request content type does not match any content type associated with the mapping templates defined in the integration request or no mapping template is defined in the integration request.

Type: String

requestParameters

A key-value map specifying request parameters that are passed from the method request to the back end. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the back end. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` must be a valid and unique method request parameter name.

Type: String to string map

requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value.

Type: String to string map

responseTransferMode

The response transfer mode of the integration.

Type: String

Valid Values: `BUFFERED` | `STREAM`

timeoutInMillis

Custom timeout between 50 and 29,000 milliseconds. The default value is 29,000 milliseconds or 29 seconds. You can increase the default value to longer than 29 seconds for Regional or private APIs only.

Type: Integer

tlsConfig

Specifies the TLS configuration for an integration.

Type: TlsConfig object

type

Specifies an API method integration type. The valid value is one of the following:

For the HTTP and HTTP proxy integrations, each integration can specify a protocol (`http/https`), port and path. Standard 80 and 443 ports are supported as well as custom ports above 1024. An HTTP or HTTP proxy integration with a `connectionType` of `VPC_LINK` is referred to as a private integration and uses a VpcLink to connect API Gateway to a network load balancer of a VPC.

Type: String

Valid Values: `HTTP` | `AWS` | `MOCK` | `HTTP_PROXY` | `AWS_PROXY`

uri

Specifies Uniform Resource Identifier (URI) of the integration endpoint.

For `HTTP` or `HTTP_PROXY` integrations, the URI must be a fully formed, encoded HTTP(S) URL according to the RFC-3986 specification for standard integrations. If `connectionType` is

VPC_LINK specify the Network Load Balancer DNS name. For AWS or AWS_PROXY integrations, the URI is of the form `arn:aws:apigateway:{region}:{subdomain.service|service}:path|action/{service_api}`. Here, {Region} is the API Gateway region (e.g., us-east-1); {service} is the name of the integrated AWS service (e.g., s3); and {subdomain} is a designated subdomain supported by certain AWS service for fast host-name lookup. action can be used for an AWS service action-based API, using an Action={name}&{p1}={v1}&p2={v2}... query string. The ensuing {service_api} refers to a supported action {name} plus any required input parameters. Alternatively, path can be used for an AWS service path-based API. The ensuing service_api refers to the path to an AWS service resource, including the region of the integrated AWS service, if applicable. For example, for integration with the S3 API of GetObject, the uri can be either `arn:aws:apigateway:us-west-2:s3:action/GetObject&Bucket={bucket}&Key={key}` or `arn:aws:apigateway:us-west-2:s3:path/{bucket}/{key}`

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Remove, add, and replace a request template

This example illustrates one usage of UpdateIntegration.

Sample Request

```
PATCH /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160614T234104Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160614/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "remove",
    "path" : "/requestTemplates/application~1xml"
  },
  {
    "op" : "add",
    "path" : "/requestTemplates/application~1xml",
    "value" : "

    3
   "
  },
  {
```

```
    "op" : "replace",
    "path" : "/requestTemplates/application~1xml",
    "value" : "

    3
   "
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-{rel}.html",
        "name": "integration",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-response-{rel}.html",
        "name": "integrationresponse",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "integration:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "integration:responses": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200",
      "name": "200",
      "title": "200"
    },
    "integration:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
    },
    "integrationresponse:put": {
```

```
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/{status_code}",
      "templated": true
    }
  },
  "cacheKeyParameters": [],
  "cacheNamespace": "3kzxbg5sa2",
  "credentials": "arn:aws:iam::123456789012:role/apigAwsProxyRole",
  "httpMethod": "POST",
  "passthroughBehavior": "WHEN_NO_MATCH",
  "requestParameters": {
    "integration.request.header.Content-Type": "'application/x-amz-json-1.1'"
  },
  "requestTemplates": {
    "application/xml": "

    3
   ",
    "application/json": "{\n}"
  },
  "type": "AWS",
  "uri": "arn:aws:apigateway:us-east-1:kinesis:action/ListStreams",
  "_embedded": {
    "integration:responses": {
      "_links": {
        "self": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200",
          "name": "200",
          "title": "200"
        },
        "integrationresponse:delete": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
        },
        "integrationresponse:update": {
          "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
        }
      },
      "responseParameters": {
        "method.response.header.Content-Type": "'application/xml'"
      },
      "responseTemplates": {
```

```
        "application/json": "$util.urlDecode(\"%3CkinesisStreams%3E#foreach($stream in
 $input.path('$.StreamNames'))%3Cstream%3E%3Cname%3E$stream%3C/name%3E%3C/stream%3E#end
%3C/kinesisStreams%3E\")\n"
      },
      "statusCode": "200"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateIntegrationResponse

Represents an update integration response.

Request Syntax

```
PATCH /restapis/restapi_id/resources/resource_id/methods/http_method/integration/
responses/status_code HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

Specifies an update integration response request's HTTP method.

Required: Yes

resource_id

Specifies an update integration response request's resource identifier.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

Specifies an update integration response request's status code.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "contentHandling": "string",
   "responseParameters": {
      "string" : "string"
   },
   "responseTemplates": {
      "string" : "string"
   },
   "selectionPattern": "string",
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

contentHandling

Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the response payload will be passed through from the integration response to the method response without modification.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

responseParameters

A key-value map specifying response parameters that are passed to the method response from the back end. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` is a valid and unique response header name and `JSON-expression` is a valid JSON expression without the $ prefix.

Type: String to string map

responseTemplates

Specifies the templates used to transform the integration response body. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

Type: String to string map

selectionPattern

Specifies the regular expression (regex) pattern used to choose an integration response based on the response from the back end. For example, if the success response returns nothing and the error response returns some string, you could use the `.+` regex to match error response. However, make sure that the error response does not contain any newline (\n) character in such cases. If the back end is an AWS Lambda function, the AWS Lambda function error header is matched. For all other HTTP and AWS back ends, the HTTP status code is matched.

Type: String

statusCode

Specifies the status code that is used to map the integration response to an existing MethodResponse.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a response template

This example illustrates one usage of UpdateIntegrationResponse.

Sample Request

```
PATCH /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/responses/200
 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160615T002050Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160615/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/responseTemplates/application~1json",
    "value": "{\n}"
  }]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-response-{rel}.html",
      "name": "integrationresponse",
      "templated": true
    },
    "self": {
```

```
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200",
      "title": "200"
    },
    "integrationresponse:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
    },
    "integrationresponse:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration/
responses/200"
    }
  },
  "responseTemplates": {
    "application/json": "{\n}"
  },
  "statusCode": "200"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateMethod

Updates an existing Method resource.

Request Syntax

```
PATCH /restapis/restapi_id/resources/resource_id/methods/http_method HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

The HTTP verb of the Method resource.

Required: Yes

resource_id

The Resource identifier for the Method resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeyRequired": boolean,
   "authorizationScopes": [ "string" ],
   "authorizationType": "string",
   "authorizerId": "string",
   "httpMethod": "string",
   "methodIntegration": {
      "cacheKeyParameters": [ "string" ],
      "cacheNamespace": "string",
      "connectionId": "string",
      "connectionType": "string",
      "contentHandling": "string",
      "credentials": "string",
      "httpMethod": "string",
      "integrationResponses": {
         "string" : {
            "contentHandling": "string",
            "responseParameters": {
               "string" : "string"
            },
            "responseTemplates": {
               "string" : "string"
            },
            "selectionPattern": "string",
            "statusCode": "string"
         }
```

```
      },
      "integrationTarget": "string",
      "passthroughBehavior": "string",
      "requestParameters": {
         "string" : "string"
      },
      "requestTemplates": {
         "string" : "string"
      },
      "responseTransferMode": "string",
      "timeoutInMillis": number,
      "tlsConfig": {
         "insecureSkipVerification": boolean
      },
      "type": "string",
      "uri": "string"
   },
   "methodResponses": {
      "string" : {
         "responseModels": {
            "string" : "string"
         },
         "responseParameters": {
            "string" : boolean
         },
         "statusCode": "string"
      }
   },
   "operationName": "string",
   "requestModels": {
      "string" : "string"
   },
   "requestParameters": {
      "string" : boolean
   },
   "requestValidatorId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeyRequired

A boolean flag specifying whether a valid ApiKey is required to invoke this method.

Type: Boolean

authorizationScopes

A list of authorization scopes configured on the method. The scopes are used with a `COGNITO_USER_POOLS` authorizer to authorize the method invocation. The authorization works by matching the method scopes against the scopes parsed from the access token in the incoming request. The method invocation is authorized if any method scopes matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the method scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

Type: Array of strings

authorizationType

The method's authorization type. Valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, `CUSTOM` for using a custom authorizer, or `COGNITO_USER_POOLS` for using a Cognito user pool.

Type: String

authorizerId

The identifier of an authorizer to use on this method. The method's authorization type must be `CUSTOM` or `COGNITO_USER_POOLS`.

Type: String

httpMethod

The method's HTTP verb.

Type: String

methodIntegration

Gets the method's integration responsible for passing the client-submitted request to the back end and performing necessary transformations to make the request compliant with the back end.

Type: Integration object

methodResponses

Gets a method response associated with a given HTTP status code.

Type: String to MethodResponse object map

operationName

A human-friendly operation identifier for the method. For example, you can assign the `operationName` of `ListPets` for the `GET /pets` method in the `PetStore` example.

Type: String

requestModels

A key-value map specifying data schemas, represented by Model resources, (as the mapped value) of the request payloads of given content types (as the mapping key).

Type: String to string map

requestParameters

A key-value map defining required or optional method request parameters that can be accepted by API Gateway. A key is a method request parameter name matching the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` is a valid and unique parameter name. The value associated with the key is a Boolean flag indicating whether the parameter is required (`true`) or optional (`false`). The method request parameter names defined here are available in Integration to be mapped to integration request parameters or templates.

Type: String to boolean map

requestValidatorId

The identifier of a RequestValidator for request validation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a method to require use of an API key

This example illustrates one usage of UpdateMethod.

Sample Request

```
PATCH /restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160602T185328Z
```

```
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160602/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}
Cache-Control: no-cache

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/apiKeyRequired",
    "value" : "true"
  } ]
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
integration-{rel}.html",
        "name": "integration",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-{rel}.html",
        "name": "method",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-response-{rel}.html",
        "name": "methodresponse",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET",
      "name": "GET",
      "title": "GET"
    },
    "integration:put": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/integration"
```

```
    },
    "method:delete": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET"
    },
    "method:update": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET"
    },
    "methodresponse:put": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2/methods/GET/responses/
{status_code}",
      "templated": true
    }
  },
  "apiKeyRequired": true,
  "authorizationType": "NONE",
  "httpMethod": "GET"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateMethodResponse

Updates an existing MethodResponse resource.

Request Syntax

```
PATCH /restapis/restapi_id/resources/resource_id/methods/http_method/
responses/status_code HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

http_method

The HTTP verb of the Method resource.

Required: Yes

resource_id

The Resource identifier for the MethodResponse resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

status_code

The status code for the MethodResponse resource.

Pattern: `[1-5]\d\d`

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "responseModels": {
      "string" : "string"
   },
   "responseParameters": {
      "string" : boolean
   },
   "statusCode": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

responseModels

Specifies the Model resources used for the response's content-type. Response models are represented as a key/value map, with a content-type as the key and a Model name as the value.

Type: String to string map

responseParameters

A key-value map specifying required or optional response parameters that API Gateway can send back to the caller. A key defines a method response header and the value specifies whether the associated method response header is required or not. The expression of the key must match the pattern `method.response.header.{name}`, where `name` is a valid and unique header name. API Gateway passes certain integration response data to the method response headers specified here according to the mapping you prescribe in the API's IntegrationResponse. The integration response data that can be mapped include an integration response header expressed in `integration.response.header.{name}`, a static value enclosed within a pair of single quotes (e.g., `'application/json'`), or a JSON expression from the back-end response payload in the form of `integration.response.body.{JSON-expression}`, where `JSON-expression` is a valid JSON expression without the $ prefix.)

Type: String to boolean map

statusCode

The method response's status code.

Type: String

Pattern: `[1-5]\d\d`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update response parameters and models

This example illustrates one usage of UpdateMethodResponse.

Sample Request

```
PATCH /restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200 HTTP/1.1
Content-Type: application/x-amz-json-1.1
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160613T233140Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160613/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}
```

```
{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/responseParameters/method.response.header.operator",
    "value" : "true"
  },
  {
    "op" : "replace",
    "path" : "/responseModels/application~1json",
    "value" : "output"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-response-{rel}.html",
      "name": "methodresponse",
      "templated": true
    },
    "self": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200",
      "title": "200"
    },
    "methodresponse:delete": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200"
    },
    "methodresponse:update": {
      "href": "/restapis/uojnr9hd57/resources/0cjtch/methods/GET/responses/200"
    }
  },
  "responseModels": {
    "application/json": "output"
  },
  "responseParameters": {
    "method.response.header.operator": true,
    "method.response.header.operand_2": false,
    "method.response.header.operand_1": false
  },
```

```
  "statusCode": "200"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateModel

Changes information about a model. The maximum size of the model is 400 KB.

Request Syntax

```
PATCH /restapis/restapi_id/models/model_name HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

model_name

The name of the model to update.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "contentType": "string",
   "description": "string",
   "id": "string",
   "name": "string",
   "schema": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

contentType

The content-type for the model.

Type: String

description

The description of the model.

Type: String

id

The identifier for the model resource.

Type: String

name

The name of the model. Must be an alphanumeric string.

Type: String

schema

The schema for the model. For `application/json` models, this should be JSON schema draft 4 model. Do not include "*/" characters in the description of any properties because such "*/" characters may be interpreted as the closing marker for comments in some languages, such as Java or JavaScript, causing the installation of your API's SDK generated by API Gateway to fail.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update the schema definition of a model

This example illustrates one usage of UpdateModel.

Sample Request

```
PATCH /restapis/uojnr9hd57/models/output HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160614T004253Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160614/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/schema",
    "value" : "{\n\t\"title\": \"Calc output\",\n\t\"type\": \"object\",\n\t
\"properties\": {\n\t\t\"a\": {\n\t\t\t\"type\": \"number\"\n\t\t},\n\t\t\"b\": {\n\t
\t\t\"type\": \"number\"\n\t\t},\n\t\t\"op\": {\n\t\t\t\"description\": \"operation of
 +, -, * or /\",\n\t\t\t\"type\": \"string\"\n\t\t},\n\t\t\"c\": {\n\t\t    \"type\":
 \"number\"\n\t\t}\n\t},\n\t\"required\": [\"a\", \"b\", \"op\"]\n}\n"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
      "name": "model",
```

```
      "templated": true
    },
    "self": {
      "href": "/restapis/uojnr9hd57/models/output?flatten=false"
    },
    "model:create": {
      "href": "/restapis/uojnr9hd57/models"
    },
    "model:delete": {
      "href": "/restapis/uojnr9hd57/models/output"
    },
    "model:generate-template": {
      "href": "/restapis/uojnr9hd57/models/output/default_template"
    },
    "model:update": {
      "href": "/restapis/uojnr9hd57/models/output"
    }
  },
  "contentType": "application/json",
  "id": "hkhn0z",
  "name": "output",
  "schema": "{\n\t\"title\": \"Calc output\",\n\t\"type\": \"object\",\n\t\"properties
\": {\n\t\t\"a\": {\n\t\t\t\"type\": \"number\"\n\t\t},\n\t\t\"b\": {\n\t\t\t\"type\":
 \"number\"\n\t\t},\n\t\t\"op\": {\n\t\t\t\"description\": \"operation of +, -, * or /
\",\n\t\t\t\"type\": \"string\"\n\t\t},\n\t\t\"c\": {\n\t\t    \"type\": \"number\"\n\t
\t}\n\t},\n\t\"required\": [\"a\", \"b\", \"op\"]\n}\n"
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRequestValidator

Updates a RequestValidator of a given RestApi.

Request Syntax

```
PATCH /restapis/restapi_id/requestvalidators/requestvalidator_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

requestvalidator_id

The identifier of RequestValidator to be updated.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "id": "string",
   "name": "string",
   "validateRequestBody": boolean,
   "validateRequestParameters": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The identifier of this RequestValidator.

Type: String

name

The name of this RequestValidator

Type: String

validateRequestBody

A Boolean flag to indicate whether to validate a request body according to the configured Model schema.

Type: Boolean

validateRequestParameters

A Boolean flag to indicate whether to validate request parameters (`true`) or not (`false`).

Type: Boolean

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a RequestValidator for an API

This example illustrates one usage of UpdateRequestValidator.

Sample Request

```
PATCH /restapis/mkhqppt4e4/requestvalidators/3n5aa0 HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T172652Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-
east-1/apigateway/aws4_request, SignedHeaders=content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [ {
    "op" : "replace",
    "path" : "/name",
    "value" : "body-parameters-switched"
  }, {
    "op" : "replace",
    "path" : "/validateRequestBody",
    "value" : "false"
  }, {
    "op" : "replace",
    "path" : "/validateRequestParameters",
    "value" : "true"
  } ]
}
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/3n5aa0"
    },
    "request-validator-delete": {
      "href": "/restapis/mkhqppt4e4/requestvalidators/3n5aa0"
    },
    "request-validator-update": {
```

```
      "href": "/restapis/mkhqppt4e4/requestvalidators/3n5aa0"
    }
  },
  "id": "3n5aa0",
  "name": "body-parameters-switched",
  "validateRequestBody": false,
  "validateRequestParameters": true
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateResource

Changes information about a Resource resource.

Request Syntax

```
PATCH /restapis/restapi_id/resources/resource_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

resource_id

The identifier of the Resource resource.

Required: Yes

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "id": "string",
   "parentId": "string",
   "path": "string",
   "pathPart": "string",
   "resourceMethods": {
      "string" : {
         "apiKeyRequired": boolean,
         "authorizationScopes": [ "string" ],
         "authorizationType": "string",
         "authorizerId": "string",
         "httpMethod": "string",
         "methodIntegration": {
            "cacheKeyParameters": [ "string" ],
            "cacheNamespace": "string",
            "connectionId": "string",
            "connectionType": "string",
            "contentHandling": "string",
            "credentials": "string",
            "httpMethod": "string",
            "integrationResponses": {
               "string" : {
                  "contentHandling": "string",
                  "responseParameters": {
                     "string" : "string"
                  },
                  "responseTemplates": {
                     "string" : "string"
                  },
                  "selectionPattern": "string",
                  "statusCode": "string"
               }
            },
            "integrationTarget": "string",
```

```
            "passthroughBehavior": "string",
            "requestParameters": {
               "string" : "string"
            },
            "requestTemplates": {
               "string" : "string"
            },
            "responseTransferMode": "string",
            "timeoutInMillis": number,
            "tlsConfig": {
               "insecureSkipVerification": boolean
            },
            "type": "string",
            "uri": "string"
         },
         "methodResponses": {
            "string" : {
               "responseModels": {
                  "string" : "string"
               },
               "responseParameters": {
                  "string" : boolean
               },
               "statusCode": "string"
            }
         },
         "operationName": "string",
         "requestModels": {
            "string" : "string"
         },
         "requestParameters": {
            "string" : boolean
         },
         "requestValidatorId": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

id

The resource's identifier.

Type: String

parentId

The parent resource's identifier.

Type: String

path

The full path for this resource.

Type: String

pathPart

The last path segment for this resource.

Type: String

resourceMethods

Gets an API resource's method of a given HTTP verb.

Type: String to Method object map

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a resource

This example illustrates one usage of UpdateResource.

Sample Request

```
PATCH /restapis/86l3267lf6/resources/h9m85b HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20170223T185829Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20170223/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
    "patchOperations" : [{
        "op": "replace",
        "path": "/pathPart",
        "value" : "r1-2"
    },
    {
        "op": "replace",
        "path": "/parentId",
        "value": "nprcay"
```

```
    }]
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
method-{rel}.html",
        "name": "method",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/86l3267lf6/resources/h9m85b"
    },
    "method:by-http-method": {
      "href": "/restapis/86l3267lf6/resources/h9m85b/methods/{http_method}",
      "templated": true
    },
    "method:put": {
      "href": "/restapis/86l3267lf6/resources/h9m85b/methods/{http_method}",
      "templated": true
    },
    "resource:create-child": {
      "href": "/restapis/86l3267lf6/resources/h9m85b"
    },
    "resource:delete": {
      "href": "/restapis/86l3267lf6/resources/h9m85b"
    },
    "resource:update": {
      "href": "/restapis/86l3267lf6/resources/h9m85b"
    }
  },
  "id": "h9m85b",
```

```
  "parentId": "nprcay",
  "path": "/r1/r1-2",
  "pathPart": "r1-2"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRestApi

Changes information about the specified API.

Request Syntax

```
PATCH /restapis/restapi_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiKeySource": "string",
   "apiStatus": "string",
   "apiStatusMessage": "string",
   "binaryMediaTypes": [ "string" ],
   "createdDate": number,
   "description": "string",
   "disableExecuteApiEndpoint": boolean,
   "endpointAccessMode": "string",
   "endpointConfiguration": {
      "ipAddressType": "string",
      "types": [ "string" ],
      "vpcEndpointIds": [ "string" ]
   },
   "id": "string",
   "minimumCompressionSize": number,
   "name": "string",
   "policy": "string",
   "rootResourceId": "string",
   "securityPolicy": "string",
   "tags": {
      "string" : "string"
   },
   "version": "string",
   "warnings": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: >HEADER to read the API key from the X-API-Key header of a request. AUTHORIZER to read the API key from the UsageIdentifierKey from a custom authorizer.

Type: String

Valid Values: HEADER | AUTHORIZER

apiStatus

The ApiStatus of the RestApi.

Type: String

Valid Values: UPDATING | AVAILABLE | PENDING | FAILED

apiStatusMessage

The status message of the RestApi. When the status message is UPDATING you can still invoke it.

Type: String

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

createdDate

The timestamp when the API was created.

Type: Timestamp

description

The API's description.

Type: String

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default execute-api endpoint. By default, clients can invoke your API with the default https://{api_id}.execute-api.

`{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

Type: Boolean

endpointAccessMode

The endpoint access mode of the RestApi.

Type: String

Valid Values: `BASIC | STRICT`

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

id

The API's identifier. This identifier is unique across all of your APIs in API Gateway.

Type: String

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

name

The API's name.

Type: String

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

rootResourceId

The API's root resource ID.

Type: String

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

version

A version identifier for the API.

Type: String

warnings

The warning messages reported when `failonwarnings` is turned on during API import.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update an API

This example illustrates one usage of UpdateRestApi.

Sample Request

```
PATCH /restapis/fugvjdxtri/ HTTP/1.1
```

```
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160603T205348Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160603/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [
    {
        "op" : "replace",
        "path" : "/name",
        "value" : "my-sample-api"
    },
    {
        "op" : "remove",
        "path" : "/description"
    },
    {
        "op" : "add",
        "path" : "/description",
        "value" : "A test API"
    }
  ]
}
```

Sample Response

```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
authorizer-{rel}.html",
        "name": "authorizer",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
deployment-{rel}.html",
        "name": "deployment",
        "templated": true
      },
```

```
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
model-{rel}.html",
        "name": "model",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
resource-{rel}.html",
        "name": "resource",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
restapi-{rel}.html",
        "name": "restapi",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
        "name": "stage",
        "templated": true
      }
    ],
    "self": {
      "href": "/restapis/fugvjdxtri"
    },
    "authorizer:by-id": {
      "href": "/restapis/fugvjdxtri/authorizers/{authorizer_id}",
      "templated": true
    },
    "authorizer:create": {
      "href": "/restapis/fugvjdxtri/authorizers"
    },
    "deployment:by-id": {
      "href": "/restapis/fugvjdxtri/deployments/{deployment_id}{?embed}",
      "templated": true
    },
    "deployment:create": {
      "href": "/restapis/fugvjdxtri/deployments"
    },
    "model:by-name": {
      "href": "/restapis/fugvjdxtri/models/{model_name}?flatten=false",
```

```
      "templated": true
    },
    "model:create": {
      "href": "/restapis/fugvjdxtri/models"
    },
    "resource:by-id": {
      "href": "/restapis/fugvjdxtri/resources/{resource_id}{?embed}",
      "templated": true
    },
    "resource:create": {
      "href": "/restapis/fugvjdxtri/resources/3kzxbg5sa2"
    },
    "restapi:authorizers": {
      "href": "/restapis/fugvjdxtri/authorizers"
    },
    "restapi:delete": {
      "href": "/restapis/fugvjdxtri"
    },
    "restapi:deployments": {
      "href": "/restapis/fugvjdxtri/deployments{?limit}",
      "templated": true
    },
    "restapi:models": {
      "href": "/restapis/fugvjdxtri/models"
    },
    "restapi:resources": {
      "href": "/restapis/fugvjdxtri/resources{?limit,embed}",
      "templated": true
    },
    "restapi:stages": {
      "href": "/restapis/fugvjdxtri/stages{?deployment_id}",
      "templated": true
    },
    "restapi:update": {
      "href": "/restapis/fugvjdxtri"
    },
    "stage:by-name": {
      "href": "/restapis/fugvjdxtri/stages/{stage_name}",
      "templated": true
    },
    "stage:create": {
      "href": "/restapis/fugvjdxtri/stages"
    }
  },
```

```
  "createdDate": "2016-06-01T18:53:41Z",
  "description": "A test API",
  "id": "fugvjdxtri",
  "name": "my-sample-api"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateStage

Changes information about a Stage resource.

Request Syntax

```
PATCH /restapis/restapi_id/stages/stage_name HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

restapi_id

The string identifier of the associated RestApi.

Required: Yes

stage_name

The name of the Stage resource to change information about.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "accessLogSettings": {
      "destinationArn": "string",
      "format": "string"
   },
   "cacheClusterEnabled": boolean,
   "cacheClusterSize": "string",
   "cacheClusterStatus": "string",
   "canarySettings": {
      "deploymentId": "string",
      "percentTraffic": number,
      "stageVariableOverrides": {
         "string" : "string"
      },
      "useStageCache": boolean
   },
   "clientCertificateId": "string",
   "createdDate": number,
   "deploymentId": "string",
   "description": "string",
   "documentationVersion": "string",
   "lastUpdatedDate": number,
   "methodSettings": {
      "string" : {
         "cacheDataEncrypted": boolean,
         "cacheTtlInSeconds": number,
         "cachingEnabled": boolean,
         "dataTraceEnabled": boolean,
         "loggingLevel": "string",
         "metricsEnabled": boolean,
         "requireAuthorizationForCacheControl": boolean,
         "throttlingBurstLimit": number,
         "throttlingRateLimit": number,
         "unauthorizedCacheControlHeaderStrategy": "string"
```

```
      }
   },
   "stageName": "string",
   "tags": {
      "string" : "string"
   },
   "tracingEnabled": boolean,
   "variables": {
      "string" : "string"
   },
   "webAclArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

accessLogSettings

Settings for logging access in this stage.

Type: AccessLogSettings object

cacheClusterEnabled

Specifies whether a cache cluster is enabled for the stage. To activate a method-level cache, set `CachingEnabled` to `true` for a method.

Type: Boolean

cacheClusterSize

The stage's cache capacity in GB. For more information about choosing a cache size, see Enabling API caching to enhance responsiveness.

Type: String

Valid Values: `0.5 | 1.6 | 6.1 | 13.5 | 28.4 | 58.2 | 118 | 237`

cacheClusterStatus

The status of the cache cluster for the stage, if enabled.

Type: String

Valid Values: `CREATE_IN_PROGRESS | AVAILABLE | DELETE_IN_PROGRESS | NOT_AVAILABLE | FLUSH_IN_PROGRESS`

canarySettings

Settings for the canary deployment in this stage.

Type: CanarySettings object

clientCertificateId

The identifier of a client certificate for an API stage.

Type: String

createdDate

The timestamp when the stage was created.

Type: Timestamp

deploymentId

The identifier of the Deployment that the stage points to.

Type: String

description

The stage's description.

Type: String

documentationVersion

The version of the associated API documentation.

Type: String

lastUpdatedDate

The timestamp when the stage last updated.

Type: Timestamp

methodSettings

A map that defines the method settings for a Stage resource. Keys (designated as `/{method_setting_key` below) are method paths defined as `{resource_path}/{http_method}` for an individual method override, or `/\*/\*` for overriding all methods in the stage.

Type: String to MethodSetting object map

stageName

The name of the stage is the first path segment in the Uniform Resource Identifier (URI) of a call to API Gateway. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

tracingEnabled

Specifies whether active tracing with X-ray is enabled for the Stage.

Type: Boolean

variables

A map that defines the stage variables for a Stage resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

Type: String to string map

webAclArn

The ARN of the WebAcl associated with the Stage.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a deployment stage

This example illustrates one usage of UpdateStage.

Sample Request

```
PATCH /restapis/fugvjdxtri/stages/stage1 HTTP/1.1
```

```
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160603T200400Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160603/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sig4_hash}

{
  "patchOperations" : [
    {
        "op" : "replace",
        "path" : "/*/*/metrics/enabled",
        "value" : "true"
    },
    {
        "op" : "replace",
        "path" : "/cacheClusterEnabled",
        "value" : "true"
    },
    {
        "op" : "replace",
        "path" : "/cacheClusterSize",
        "value" : "0.5"
    },
    {
        "op" : "replace",
        "path" : "/variables/sv2",
        "value" : "svVar"
    }
  ]
}
```

Sample Response

```
{
  "_links": {
    "curies": {
      "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
stage-{rel}.html",
      "name": "stage",
      "templated": true
    },
    "self": {
```

```
      "href": "/restapis/fugvjdxtri/stages/stage1"
    },
    "stage:delete": {
      "href": "/restapis/fugvjdxtri/stages/stage1"
    },
    "stage:flush-authorizer-cache": {
      "href": "/restapis/fugvjdxtri/stages/stage1/cache/authorizers"
    },
    "stage:flush-cache": {
      "href": "/restapis/fugvjdxtri/stages/stage1/cache/data"
    },
    "stage:update": {
      "href": "/restapis/fugvjdxtri/stages/stage1"
    }
  },
  "cacheClusterEnabled": true,
  "cacheClusterSize": "0.5",
  "cacheClusterStatus": "CREATE_IN_PROGRESS",
  "createdDate": "2016-06-03T17:56:06Z",
  "deploymentId": "dzacq7",
  "description": "First stage",
  "lastUpdatedDate": "2016-06-03T20:04:00Z",
  "methodSettings": {
    "/": {
      "dataTraceEnabled": false,
      "throttlingRateLimit": 500,
      "cacheTtlInSeconds": 0,
      "cachingEnabled": true,
      "requireAuthorizationForCacheControl": true,
      "metricsEnabled": true,
      "loggingLevel": "OFF",
      "unauthorizedCacheControlHeaderStrategy": "SUCCEED_WITH_RESPONSE_HEADER",
      "throttlingBurstLimit": 1000,
      "cacheDataEncrypted": false
    }
  },
  "stageName": "stage1",
  "variables": {
    "sv2": "svVar",
    "sv1": "opVar"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateUsage

Grants a temporary extension to the remaining quota of a usage plan associated with a specified API key.

Request Syntax

```
PATCH /usageplans/usageplanId/keys/keyId/usage HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

keyId

The identifier of the API key associated with the usage plan in which a temporary extension is granted to the remaining quota.

Required: Yes

usageplanId

The Id of the usage plan associated with the usage data.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "endDate": "string",
   "values": {
      "string" : [
         [ number ]
      ]
   },
   "position": "string",
   "startDate": "string",
   "usagePlanId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endDate

The ending date of the usage data.

Type: String

values

The usage data, as daily logs of used and remaining quotas, over the specified time interval indexed over the API keys in a usage plan. For example, `{..., "values" :`

`{ "{api_key}" : [ [0, 100], [10, 90], [100, 10]]}`, where `{api_key}` stands for an API key ID and the daily log entry is of the format `[used quota, remaining quota]`.

Type: String to array of arrays of longs map

position

The current pagination position in the paged result set.

Type: String

startDate

The starting date of the usage data.

Type: String

usagePlanId

The plan Id associated with this usage data.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update usage

This example illustrates one usage of UpdateUsage.

Sample Request

```
PATCH /usageplans/ywbqww/keys/3JX4ISs7Ik23cDsgiaJdu6SiLffQpIsU7AyTMALs6/usage HTTP/1.1
Content-Type: application/json
Host: apigateway.ap-southeast-1.amazonaws.com
Content-Length: 114
X-Amz-Date: 20160801T235803Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160801/ap-southeast-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sigv4_hash}

{
    "patchOperation" : [ {
       "op": "replace",
       "path": "/remaining",
       "value": "10"
    } ]
}
```

Sample Response

```
{
  "_links": {
    "self": {
      "href": "/usageplans/ywbqww/keys/3JX4ISs7Ik23cDsgiaJdu6SiLffQpIsU7AyTMALs6/usage"
    }
  },
  "endDate": "2016-08-08",
  "startDate": "2016-08-08",
  "usagePlanId": "ywbqww",
  "values": {
    "3JX4ISs7Ik23cDsgiaJdu6SiLffQpIsU7AyTMALs6": [
      0,
      10
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateUsagePlan

Updates a usage plan of a given plan Id.

Request Syntax

```
PATCH /usageplans/usageplanId HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

usageplanId

The Id of the to-be-updated usage plan.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "apiStages": [
      {
         "apiId": "string",
         "stage": "string",
         "throttle": {
            "string" : {
               "burstLimit": number,
               "rateLimit": number
            }
         }
      }
   ],
   "description": "string",
   "id": "string",
   "name": "string",
   "productCode": "string",
   "quota": {
      "limit": number,
      "offset": number,
      "period": "string"
   },
   "tags": {
      "string" : "string"
   },
   "throttle": {
      "burstLimit": number,
      "rateLimit": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

apiStages

The associated API stages of a usage plan.

Type: Array of ApiStage objects

description

The description of a usage plan.

Type: String

id

The identifier of a UsagePlan resource.

Type: String

name

The name of a usage plan.

Type: String

productCode

The AWS Marketplace product identifier to associate with the usage plan as a SaaS product on the AWS Marketplace.

Type: String

quota

The target maximum number of permitted requests per a given unit time interval.

Type: QuotaSettings object

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

throttle

A map containing method level throttling information for API stage in a usage plan.

Type: ThrottleSettings object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

Examples

Update a usage plan

This example illustrates one usage of UpdateUsagePlan.

Sample Request

```
PATCH /usageplans/w0mvrr HTTP/1.1
Content-Type: application/json
Host: apigateway.us-east-1.amazonaws.com
X-Amz-Date: 20160805T200901Z
Authorization: AWS4-HMAC-SHA256 Credential={access_key_ID}/20160805/us-east-1/
apigateway/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date,
 Signature={sigv4_hash}

{
    "patchOperations" : [ {
       "op": "add",
       "path": "/apiStages",
       "value": "o81lxisefl:Stage_A"
    },
    {
       "op": "replace",
       "path": "/name",
       "value": "new-plan-name"
    },
    {
       "op": "replace",
       "path": "/description",
       "value": "new-plan-description"
    },
    {
        "op": "replace",
        "path": "/quota/period",
        "value": "MONTH"
    },
    {
        "op": "replace",
        "path": "/quota/limit",
        "value": "1300"
    },
    {
        "op": "replace",
        "path": "/quota/offset",
        "value": "5"
    }]
}
```

Sample Response


```
{
  "_links": {
    "curies": [
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usage-{rel}.html",
        "name": "usage",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplan-{rel}.html",
        "name": "usageplan",
        "templated": true
      },
      {
        "href": "https://docs.aws.amazon.com/apigateway/latest/developerguide/restapi-
usageplankey-{rel}.html",
        "name": "usageplankey",
        "templated": true
      }
    ],
    "self": {
      "href": "/usageplans/w0mvrr"
    },
    "usage:get": {
      "href": "/usageplans/w0mvrr/usage?startDate=2016-07-06&endDate=2016-08-05"
    },
    "usageplan:delete": {
      "href": "/usageplans/w0mvrr"
    },
    "usageplan:update": {
      "href": "/usageplans/w0mvrr"
    },
    "usageplan:usageplankeys": {
      "href": "/usageplans/w0mvrr/keys"
    },
    "usageplankey:create": {
      "href": "/usageplans/w0mvrr/keys"
    }
  },
  "apiStages": {
```

```
    "stage": "Stage_A",
    "apiId": "o81lxisefl"
  },
  "description": "new-plan-description",
  "id": "w0mvrr",
  "name": "new-plan-name",
  "quota": {
    "period": "MONTH",
    "offset": 5,
    "limit": 1300
  },
  "throttle": {
    "rateLimit": 100,
    "burstLimit": 200
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateVpcLink

Updates an existing VpcLink of a specified identifier.

Request Syntax

```
PATCH /vpclinks/vpclink_id HTTP/1.1
Content-type: application/json

{
   "patchOperations": [
      {
         "from": "string",
         "op": "string",
         "path": "string",
         "value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

vpclink_id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Required: Yes

Request Body

The request accepts the following data in JSON format.

patchOperations

For more information about supported patch operations, see Patch Operations.

Type: Array of PatchOperation objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "description": "string",
   "id": "string",
   "name": "string",
   "status": "string",
   "statusMessage": "string",
   "tags": {
      "string" : "string"
   },
   "targetArns": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

description

The description of the VPC link.

Type: String

id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Type: String

name

The name used to label and identify the VPC link.

Type: String

status

The status of the VPC link. The valid values are `AVAILABLE`, `PENDING`, `DELETING`, or `FAILED`. Deploying an API will wait if the status is `PENDING` and will fail if the status is `DELETING`.

Type: String

Valid Values: `AVAILABLE | PENDING | DELETING | FAILED`

statusMessage

A description about the VPC link status.

Type: String

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

targetArns

The ARN of the network load balancer of the VPC targeted by the VPC link. The network load balancer must be owned by the same AWS account of the API owner.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

The submitted request is not valid, for example, the input is incomplete or incorrect. See the accompanying error message for details.

HTTP Status Code: 400

ConflictException

The request configuration has conflicts. For details, see the accompanying error message.

HTTP Status Code: 409

LimitExceededException

The request exceeded the rate limit. Retry after the specified time period.

HTTP Status Code: 429

NotFoundException

The requested resource is not found. Make sure that the request URI is correct.

HTTP Status Code: 404

TooManyRequestsException

The request has reached its throttling limit. Retry after the specified time period.

HTTP Status Code: 429

UnauthorizedException

The request is denied because the caller has insufficient permissions.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The Amazon API Gateway API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccessLogSettings
- ApiKey
- ApiStage
- Authorizer
- BasePathMapping
- CanarySettings
- ClientCertificate
- Deployment
- DeploymentCanarySettings
- DocumentationPart
- DocumentationPartLocation
- DocumentationVersion
- DomainName
- DomainNameAccessAssociation
- EndpointConfiguration
- GatewayResponse
- Integration
- IntegrationResponse
- Method
- MethodResponse

- MethodSetting
- MethodSnapshot
- Model
- MutualTlsAuthentication
- MutualTlsAuthenticationInput
- PatchOperation
- QuotaSettings
- RequestValidator
- Resource
- RestApi
- SdkConfigurationProperty
- SdkType
- Stage
- StageKey
- ThrottleSettings
- TlsConfig
- UsagePlan
- UsagePlanKey
- VpcLink

AccessLogSettings

Access log settings, including the access log format and access log destination ARN.

Contents

destinationArn

The Amazon Resource Name (ARN) of the CloudWatch Logs log group or Kinesis Data Firehose delivery stream to receive access logs. If you specify a Kinesis Data Firehose delivery stream, the stream name must begin with `amazon-apigateway-`.

Type: String

Required: No

format

A single line format of the access logs of data, as specified by selected $context variables. The format must include at least `$context.requestId`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ApiKey

A resource that can be distributed to callers for executing Method resources that require an API key. API keys can be mapped to any Stage on any RestApi, which indicates that the callers with the API key can make requests to that stage.

Contents

createdDate

The timestamp when the API Key was created.

Type: Timestamp

Required: No

customerId

An AWS Marketplace customer identifier, when integrating with the AWS SaaS Marketplace.

Type: String

Required: No

description

The description of the API Key.

Type: String

Required: No

enabled

Specifies whether the API Key can be used by callers.

Type: Boolean

Required: No

id

The identifier of the API Key.

Type: String

Required: No

lastUpdatedDate

The timestamp when the API Key was last updated.

Type: Timestamp

Required: No

name

The name of the API Key.

Type: String

Required: No

stageKeys

A list of Stage resources that are associated with the ApiKey resource.

Type: Array of strings

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

value

The value of the API Key.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ApiStage

API stage name of the associated API stage in a usage plan.

Contents

apiId

API Id of the associated API stage in a usage plan.

Type: String

Required: No

stage

API stage name of the associated API stage in a usage plan.

Type: String

Required: No

throttle

Map containing method level throttling information for API stage in a usage plan.

Type: String to ThrottleSettings object map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Authorizer

Represents an authorization layer for methods. If enabled on a method, API Gateway will activate the authorizer when a client calls the method.

Contents

authorizerCredentials

Specifies the required credentials as an IAM role for API Gateway to invoke the authorizer. To specify an IAM role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To use resource-based permissions on the Lambda function, specify null.

Type: String

Required: No

authorizerResultTtlInSeconds

The TTL in seconds of cached authorizer results. If it equals 0, authorization caching is disabled. If it is greater than 0, API Gateway will cache authorizer responses. If this field is not set, the default value is 300. The maximum value is 3600, or 1 hour.

Type: Integer

Required: No

authorizerUri

Specifies the authorizer's Uniform Resource Identifier (URI). For `TOKEN` or `REQUEST` authorizers, this must be a well-formed Lambda function URI, for example, `arn:aws:apigateway:us-west-2:lambda:path/2015-03-31/functions/arn:aws:lambda:us-west-2:{account_id}:function:{lambda_function_name}/invocations`. In general, the URI has this form `arn:aws:apigateway:{region}:lambda:path/{service_api}`, where `{region}` is the same as the region hosting the Lambda function, `path` indicates that the remaining substring in the URI should be treated as the path to the resource, including the initial `/`. For Lambda functions, this is usually of the form `/2015-03-31/functions/[FunctionARN]/invocations`.

Type: String

Required: No

authType

Optional customer-defined field, used in OpenAPI imports and exports without functional impact.

Type: String

Required: No

id

The identifier for the authorizer resource.

Type: String

Required: No

identitySource

The identity source for which authorization is requested. For a `TOKEN` or `COGNITO_USER_POOLS` authorizer, this is required and specifies the request header mapping expression for the custom header holding the authorization token submitted by the client. For example, if the token header name is `Auth`, the header mapping expression is `method.request.header.Auth`. For the `REQUEST` authorizer, this is required when authorization caching is enabled. The value is a comma-separated string of one or more mapping expressions of the specified request parameters. For example, if an `Auth` header, a `Name` query string parameter are defined as identity sources, this value is `method.request.header.Auth`, `method.request.querystring.Name`. These parameters will be used to derive the authorization caching key and to perform runtime validation of the `REQUEST` authorizer by verifying all of the identity-related request parameters are present, not null and non-empty. Only when this is true does the authorizer invoke the authorizer Lambda function, otherwise, it returns a 401 Unauthorized response without calling the Lambda function. The valid value is a string of comma-separated mapping expressions of the specified request parameters. When the authorization caching is not enabled, this property is optional.

Type: String

Required: No

identityValidationExpression

A validation expression for the incoming identity token. For `TOKEN` authorizers, this value is a regular expression. For `COGNITO_USER_POOLS` authorizers, API Gateway will match the aud

field of the incoming token from the client against the specified regular expression. It will invoke the authorizer's Lambda function when there is a match. Otherwise, it will return a 401 Unauthorized response without calling the Lambda function. The validation expression does not apply to the `REQUEST` authorizer.

Type: String

Required: No

name

The name of the authorizer.

Type: String

Required: No

providerARNs

A list of the Amazon Cognito user pool ARNs for the `COGNITO_USER_POOLS` authorizer. Each element is of this format: `arn:aws:cognito-idp:{region}:{account_id}:userpool/{user_pool_id}`. For a `TOKEN` or `REQUEST` authorizer, this is not defined.

Type: Array of strings

Required: No

type

The authorizer type. Valid values are `TOKEN` for a Lambda function using a single authorization token submitted in a custom header, `REQUEST` for a Lambda function using incoming request parameters, and `COGNITO_USER_POOLS` for using an Amazon Cognito user pool.

Type: String

Valid Values: `TOKEN | REQUEST | COGNITO_USER_POOLS`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BasePathMapping

Represents the base path that callers of the API must provide as part of the URL after the domain name.

Contents

basePath

The base path name that callers of the API must provide as part of the URL after the domain name.

Type: String

Required: No

restApiId

The string identifier of the associated RestApi.

Type: String

Required: No

stage

The name of the associated stage.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CanarySettings

Configuration settings of a canary deployment.

Contents

deploymentId

The ID of the canary deployment.

Type: String

Required: No

percentTraffic

The percent (0-100) of traffic diverted to a canary deployment.

Type: Double

Required: No

stageVariableOverrides

Stage variables overridden for a canary release deployment, including new stage variables introduced in the canary. These stage variables are represented as a string-to-string map between stage variable names and their values.

Type: String to string map

Required: No

useStageCache

A Boolean flag to indicate whether the canary deployment uses the stage cache or not.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ClientCertificate

Represents a client certificate used to configure client-side SSL authentication while sending requests to the integration endpoint.

Contents

clientCertificateId

The identifier of the client certificate.

Type: String

Required: No

createdDate

The timestamp when the client certificate was created.

Type: Timestamp

Required: No

description

The description of the client certificate.

Type: String

Required: No

expirationDate

The timestamp when the client certificate will expire.

Type: Timestamp

Required: No

pemEncodedCertificate

The PEM-encoded public key of the client certificate, which can be used to configure certificate authentication in the integration endpoint .

Type: String

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Deployment

An immutable representation of a RestApi resource that can be called by users using Stages. A deployment must be associated with a Stage for it to be callable over the Internet.

Contents

apiSummary

A summary of the RestApi at the date and time that the deployment resource was created.

Type: String to string to MethodSnapshot object map map

Required: No

createdDate

The date and time that the deployment resource was created.

Type: Timestamp

Required: No

description

The description for the deployment resource.

Type: String

Required: No

id

The identifier for the deployment resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DeploymentCanarySettings

The input configuration for a canary deployment.

Contents

percentTraffic

The percentage (0.0-100.0) of traffic routed to the canary deployment.

Type: Double

Required: No

stageVariableOverrides

A stage variable overrides used for the canary release deployment. They can override existing stage variables or add new stage variables for the canary release deployment. These stage variables are represented as a string-to-string map between stage variable names and their values.

Type: String to string map

Required: No

useStageCache

A Boolean flag to indicate whether the canary release deployment uses the stage cache or not.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentationPart

A documentation part for a targeted API entity.

Contents

id

The DocumentationPart identifier, generated by API Gateway when the `DocumentationPart` is created.

Type: String

Required: No

location

The location of the API entity to which the documentation applies. Valid fields depend on the targeted API entity type. All the valid location fields are not required. If not explicitly specified, a valid location field is treated as a wildcard and associated documentation content may be inherited by matching entities, unless overridden.

Type: DocumentationPartLocation object

Required: No

properties

A content map of API-specific key-value pairs describing the targeted API entity. The map must be encoded as a JSON string, e.g., `"{ \"description\": \"The API does ...\" }"`. Only OpenAPI-compliant documentation-related fields from the properties map are exported and, hence, published as part of the API entity definitions, while the original documentation parts are exported in a OpenAPI extension of `x-amazon-apigateway-documentation`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentationPartLocation

Specifies the target API entity to which the documentation applies.

Contents

type

The type of API entity to which the documentation content applies. Valid values are `API`, `AUTHORIZER`, `MODEL`, `RESOURCE`, `METHOD`, `PATH_PARAMETER`, `QUERY_PARAMETER`, `REQUEST_HEADER`, `REQUEST_BODY`, `RESPONSE`, `RESPONSE_HEADER`, and `RESPONSE_BODY`. Content inheritance does not apply to any entity of the `API`, `AUTHORIZER`, `METHOD`, `MODEL`, `REQUEST_BODY`, or `RESOURCE` type.

Type: String

Valid Values: `API | AUTHORIZER | MODEL | RESOURCE | METHOD | PATH_PARAMETER | QUERY_PARAMETER | REQUEST_HEADER | REQUEST_BODY | RESPONSE | RESPONSE_HEADER | RESPONSE_BODY`

Required: Yes

method

The HTTP verb of a method. It is a valid field for the API entity types of `METHOD`, `PATH_PARAMETER`, `QUERY_PARAMETER`, `REQUEST_HEADER`, `REQUEST_BODY`, `RESPONSE`, `RESPONSE_HEADER`, and `RESPONSE_BODY`. The default value is `*` for any method. When an applicable child entity inherits the content of an entity of the same type with more general specifications of the other `location` attributes, the child entity's `method` attribute must match that of the parent entity exactly.

Type: String

Required: No

name

The name of the targeted API entity. It is a valid and required field for the API entity types of `AUTHORIZER`, `MODEL`, `PATH_PARAMETER`, `QUERY_PARAMETER`, `REQUEST_HEADER`, `REQUEST_BODY` and `RESPONSE_HEADER`. It is an invalid field for any other entity type.

Type: String

Required: No

path

The URL path of the target. It is a valid field for the API entity types of `RESOURCE`, `METHOD`, `PATH_PARAMETER`, `QUERY_PARAMETER`, `REQUEST_HEADER`, `REQUEST_BODY`, `RESPONSE`, `RESPONSE_HEADER`, and `RESPONSE_BODY`. The default value is `/` for the root resource. When an applicable child entity inherits the content of another entity of the same type with more general specifications of the other `location` attributes, the child entity's `path` attribute must match that of the parent entity as a prefix.

Type: String

Required: No

statusCode

The HTTP status code of a response. It is a valid field for the API entity types of `RESPONSE`, `RESPONSE_HEADER`, and `RESPONSE_BODY`. The default value is `*` for any status code. When an applicable child entity inherits the content of an entity of the same type with more general specifications of the other `location` attributes, the child entity's `statusCode` attribute must match that of the parent entity exactly.

Type: String

Pattern: `^([1-5]\d\d|\*|\s*)$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DocumentationVersion

A snapshot of the documentation of an API.

Contents

createdDate

The date when the API documentation snapshot is created.

Type: Timestamp

Required: No

description

The description of the API documentation snapshot.

Type: String

Required: No

version

The version identifier of the API documentation snapshot.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DomainName

Represents a custom domain name as a user-friendly host name of an API (RestApi).

Contents

certificateArn

The reference to an AWS-managed certificate that will be used by edge-optimized endpoint or private endpoint for this domain name. AWS Certificate Manager is the only supported source.

Type: String

Required: No

certificateName

The name of the certificate that will be used by edge-optimized endpoint or private endpoint for this domain name.

Type: String

Required: No

certificateUploadDate

The timestamp when the certificate that was used by edge-optimized endpoint or private endpoint for this domain name was uploaded.

Type: Timestamp

Required: No

distributionDomainName

The domain name of the Amazon CloudFront distribution associated with this custom domain name for an edge-optimized endpoint. You set up this association when adding a DNS record pointing the custom domain name to this distribution name. For more information about CloudFront distributions, see the Amazon CloudFront documentation.

Type: String

Required: No

distributionHostedZoneId

The region-agnostic Amazon Route 53 Hosted Zone ID of the edge-optimized endpoint. The valid value is `Z2FDTNDATAQYW2` for all the regions. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

Required: No

domainName

The custom domain name as an API host name, for example, `my-api.example.com`.

Type: String

Required: No

domainNameArn

The ARN of the domain name.

Type: String

Required: No

domainNameId

The identifier for the domain name resource. Supported only for private custom domain names.

Type: String

Required: No

domainNameStatus

The status of the DomainName migration. The valid values are `AVAILABLE` and `UPDATING`. If the status is `UPDATING`, the domain cannot be modified further until the existing operation is complete. If it is `AVAILABLE`, the domain can be updated.

Type: String

Valid Values: `AVAILABLE | UPDATING | PENDING | PENDING_CERTIFICATE_REIMPORT | PENDING_OWNERSHIP_VERIFICATION | FAILED`

Required: No

domainNameStatusMessage

An optional text message containing detailed information about status of the DomainName migration.

Type: String

Required: No

endpointAccessMode

The endpoint access mode of the DomainName.

Type: String

Valid Values: `BASIC | STRICT`

Required: No

endpointConfiguration

The endpoint configuration of this DomainName showing the endpoint types and IP address types of the domain name.

Type: EndpointConfiguration object

Required: No

managementPolicy

A stringified JSON policy document that applies to the API Gateway Management service for this DomainName. This policy document controls access for access association sources to create domain name access associations with this DomainName. Supported only for private custom domain names.

Type: String

Required: No

mutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Type: MutualTlsAuthentication object

Required: No

ownershipVerificationCertificateArn

The ARN of the public certificate issued by ACM to validate ownership of your custom domain. Only required when configuring mutual TLS and using an ACM imported or private CA certificate ARN as the regionalCertificateArn.

Type: String

Required: No

policy

A stringified JSON policy document that applies to the `execute-api` service for this DomainName regardless of the caller and Method configuration. Supported only for private custom domain names.

Type: String

Required: No

regionalCertificateArn

The reference to an AWS-managed certificate that will be used for validating the regional domain name. AWS Certificate Manager is the only supported source.

Type: String

Required: No

regionalCertificateName

The name of the certificate that will be used for validating the regional domain name.

Type: String

Required: No

regionalDomainName

The domain name associated with the regional endpoint for this custom domain name. You set up this association by adding a DNS record that points the custom domain name to this

regional domain name. The regional domain name is returned by API Gateway when you create a regional endpoint.

Type: String

Required: No

regionalHostedZoneId

The region-specific Amazon Route 53 Hosted Zone ID of the regional endpoint. For more information, see Set up a Regional Custom Domain Name and AWS Regions and Endpoints for API Gateway.

Type: String

Required: No

routingMode

The routing mode for this domain name. The routing mode determines how API Gateway sends traffic from your custom domain name to your APIs.

Type: String

Valid Values: `BASE_PATH_MAPPING_ONLY | ROUTING_RULE_ONLY | ROUTING_RULE_THEN_BASE_PATH_MAPPING`

Required: No

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this DomainName.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DomainNameAccessAssociation

Represents a domain name access association between an access association source and a private custom domain name. With a domain name access association, an access association source can invoke a private custom domain name while isolated from the public internet.

Contents

accessAssociationSource

The identifier of the domain name access association source. For a VPCE, the value is the VPC endpoint ID.

Type: String

Required: No

accessAssociationSourceType

The type of the domain name access association source.

Type: String

Valid Values: VPCE

Required: No

domainNameAccessAssociationArn

The ARN of the domain name access association resource.

Type: String

Required: No

domainNameArn

The ARN of the domain name.

Type: String

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EndpointConfiguration

The endpoint configuration to indicate the types of endpoints an API (RestApi) or its custom domain name (DomainName) has and the IP address types that can invoke it.

Contents

ipAddressType

The IP address types that can invoke an API (RestApi) or a DomainName. Use `ipv4` to allow only IPv4 addresses to invoke an API or DomainName, or use `dualstack` to allow both IPv4 and IPv6 addresses to invoke an API or a DomainName. For the `PRIVATE` endpoint type, only `dualstack` is supported.

Type: String

Valid Values: `ipv4 | dualstack`

Required: No

types

A list of endpoint types of an API (RestApi) or its custom domain name (DomainName). For an edge-optimized API and its custom domain name, the endpoint type is `"EDGE"`. For a regional API and its custom domain name, the endpoint type is `REGIONAL`. For a private API, the endpoint type is `PRIVATE`.

Type: Array of strings

Valid Values: `REGIONAL | EDGE | PRIVATE`

Required: No

vpcEndpointIds

A list of VpcEndpointIds of an API (RestApi) against which to create Route53 ALIASes. It is only supported for `PRIVATE` endpoint type.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GatewayResponse

A gateway response of a given response type and status code, with optional response parameters and mapping templates.

Contents

defaultResponse

A Boolean flag to indicate whether this GatewayResponse is the default gateway response (`true`) or not (`false`). A default gateway response is one generated by API Gateway without any customization by an API developer.

Type: Boolean

Required: No

responseParameters

Response parameters (paths, query strings and headers) of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

Required: No

responseTemplates

Response templates of the GatewayResponse as a string-to-string map of key-value pairs.

Type: String to string map

Required: No

responseType

The response type of the associated GatewayResponse.

Type: String

Valid Values: `DEFAULT_4XX | DEFAULT_5XX | RESOURCE_NOT_FOUND | UNAUTHORIZED | INVALID_API_KEY | ACCESS_DENIED | AUTHORIZER_FAILURE | AUTHORIZER_CONFIGURATION_ERROR | INVALID_SIGNATURE |`

```
EXPIRED_TOKEN | MISSING_AUTHENTICATION_TOKEN | INTEGRATION_FAILURE |
INTEGRATION_TIMEOUT | API_CONFIGURATION_ERROR | UNSUPPORTED_MEDIA_TYPE
| BAD_REQUEST_PARAMETERS | BAD_REQUEST_BODY | REQUEST_TOO_LARGE |
THROTTLED | QUOTA_EXCEEDED | WAF_FILTERED
```

Required: No

statusCode

The HTTP status code for this GatewayResponse.

Type: String

Pattern: `[1-5]\d\d`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Integration

Represents an HTTP, HTTP_PROXY, AWS, AWS_PROXY, or Mock integration.

Contents

cacheKeyParameters

A list of request parameters whose values API Gateway caches. To be valid values for cacheKeyParameters, these parameters must also be specified for Method requestParameters.

Type: Array of strings

Required: No

cacheNamespace

Specifies a group of related cached parameters. By default, API Gateway uses the resource ID as the cacheNamespace. You can specify the same cacheNamespace across resources to return the same cached data for requests to different resources.

Type: String

Required: No

connectionId

The ID of the VpcLink used for the integration when connectionType=VPC_LINK and undefined, otherwise.

Type: String

Required: No

connectionType

The type of the network connection to the integration endpoint. The valid value is INTERNET for connections through the public routable internet or VPC_LINK for private connections between API Gateway and a network load balancer in a VPC. The default value is INTERNET.

Type: String

Valid Values: INTERNET | VPC_LINK

Required: No

contentHandling

Specifies how to handle request payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the request payload will be passed through from the method request to integration request without modification, provided that the `passthroughBehavior` is configured to support payload pass-through.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

Required: No

credentials

Specifies the credentials required for the integration, if any. For AWS integrations, three options are available. To specify an IAM Role for API Gateway to assume, use the role's Amazon Resource Name (ARN). To require that the caller's identity be passed through from the request, specify the string `arn:aws:iam::\*:user/\*`. To use resource-based permissions on supported AWS services, specify null.

Type: String

Required: No

httpMethod

Specifies the integration's HTTP method type. For the Type property, if you specify `MOCK`, this property is optional. For Lambda integrations, you must set the integration method to `POST`. For all other types, you must specify this property.

Type: String

Required: No

integrationResponses

Specifies the integration's responses.

Type: String to IntegrationResponse object map

Required: No

integrationTarget

The ALB or NLB listener to send the request to.

Type: String

Required: No

passthroughBehavior

Specifies how the method request body of an unmapped content type will be passed through the integration request to the back end without transformation. A content type is unmapped if no mapping template is defined in the integration or the content type does not match any of the mapped content types, as specified in `requestTemplates`. The valid value is one of the following: `WHEN_NO_MATCH`: passes the method request body through the integration request to the back end without transformation when the method request content type does not match any content type associated with the mapping templates defined in the integration request. `WHEN_NO_TEMPLATES`: passes the method request body through the integration request to the back end without transformation when no mapping template is defined in the integration request. If a template is defined when this option is selected, the method request of an unmapped content-type will be rejected with an HTTP 415 Unsupported Media Type response. `NEVER`: rejects the method request with an HTTP 415 Unsupported Media Type response when either the method request content type does not match any content type associated with the mapping templates defined in the integration request or no mapping template is defined in the integration request.

Type: String

Required: No

requestParameters

A key-value map specifying request parameters that are passed from the method request to the back end. The key is an integration request parameter name and the associated value is a method request parameter value or static value that must be enclosed within single quotes and pre-encoded as required by the back end. The method request parameter value must match the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` must be a valid and unique method request parameter name.

Type: String to string map

Required: No

requestTemplates

Represents a map of Velocity templates that are applied on the request payload based on the value of the Content-Type header sent by the client. The content type value is the key in this map, and the template (as a String) is the value.

Type: String to string map

Required: No

responseTransferMode

The response transfer mode of the integration.

Type: String

Valid Values: `BUFFERED | STREAM`

Required: No

timeoutInMillis

Custom timeout between 50 and 29,000 milliseconds. The default value is 29,000 milliseconds or 29 seconds. You can increase the default value to longer than 29 seconds for Regional or private APIs only.

Type: Integer

Required: No

tlsConfig

Specifies the TLS configuration for an integration.

Type: TlsConfig object

Required: No

type

Specifies an API method integration type. The valid value is one of the following:

For the HTTP and HTTP proxy integrations, each integration can specify a protocol (`http/https`), port and path. Standard 80 and 443 ports are supported as well as custom ports above

1024. An HTTP or HTTP proxy integration with a `connectionType` of `VPC_LINK` is referred to as a private integration and uses a VpcLink to connect API Gateway to a network load balancer of a VPC.

Type: String

Valid Values: `HTTP | AWS | MOCK | HTTP_PROXY | AWS_PROXY`

Required: No

uri

Specifies Uniform Resource Identifier (URI) of the integration endpoint.

For `HTTP` or `HTTP_PROXY` integrations, the URI must be a fully formed, encoded HTTP(S) URL according to the RFC-3986 specification for standard integrations. If `connectionType` is `VPC_LINK` specify the Network Load Balancer DNS name. For `AWS` or `AWS_PROXY` integrations, the URI is of the form `arn:aws:apigateway:{region}:{subdomain.service|service}:path|action/{service_api}`. Here, {Region} is the API Gateway region (e.g., us-east-1); {service} is the name of the integrated AWS service (e.g., s3); and {subdomain} is a designated subdomain supported by certain AWS service for fast host-name lookup. action can be used for an AWS service action-based API, using an Action={name}&{p1}={v1}&p2={v2}... query string. The ensuing {service_api} refers to a supported action {name} plus any required input parameters. Alternatively, path can be used for an AWS service path-based API. The ensuing service_api refers to the path to an AWS service resource, including the region of the integrated AWS service, if applicable. For example, for integration with the S3 API of GetObject, the uri can be either `arn:aws:apigateway:us-west-2:s3:action/GetObject&Bucket={bucket}&Key={key}` or `arn:aws:apigateway:us-west-2:s3:path/{bucket}/{key}`

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

IntegrationResponse

Represents an integration response. The status code must map to an existing MethodResponse, and parameters and templates can be used to transform the back-end response.

Contents

contentHandling

Specifies how to handle response payload content type conversions. Supported values are `CONVERT_TO_BINARY` and `CONVERT_TO_TEXT`, with the following behaviors:

If this property is not defined, the response payload will be passed through from the integration response to the method response without modification.

Type: String

Valid Values: `CONVERT_TO_BINARY | CONVERT_TO_TEXT`

Required: No

responseParameters

A key-value map specifying response parameters that are passed to the method response from the back end. The key is a method response header parameter name and the mapped value is an integration response header value, a static value enclosed within a pair of single quotes, or a JSON expression from the integration response body. The mapping key must match the pattern of `method.response.header.{name}`, where `name` is a valid and unique header name. The mapped non-static value must match the pattern of `integration.response.header.{name}` or `integration.response.body.{JSON-expression}`, where `name` is a valid and unique response header name and `JSON-expression` is a valid JSON expression without the $ prefix.

Type: String to string map

Required: No

responseTemplates

Specifies the templates used to transform the integration response body. Response templates are represented as a key/value map, with a content-type as the key and a template as the value.

Type: String to string map

Required: No

selectionPattern

Specifies the regular expression (regex) pattern used to choose an integration response based on the response from the back end. For example, if the success response returns nothing and the error response returns some string, you could use the `.+` regex to match error response. However, make sure that the error response does not contain any newline (\n) character in such cases. If the back end is an AWS Lambda function, the AWS Lambda function error header is matched. For all other HTTP and AWS back ends, the HTTP status code is matched.

Type: String

Required: No

statusCode

Specifies the status code that is used to map the integration response to an existing MethodResponse.

Type: String

Pattern: `[1-5]\d\d`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Method

Represents a client-facing interface by which the client calls the API to access back-end resources. A Method resource is integrated with an Integration resource. Both consist of a request and one or more responses. The method request takes the client input that is passed to the back end through the integration request. A method response returns the output from the back end to the client through an integration response. A method request is embodied in a Method resource, whereas an integration request is embodied in an Integration resource. On the other hand, a method response is represented by a MethodResponse resource, whereas an integration response is represented by an IntegrationResponse resource.

Contents

apiKeyRequired

A boolean flag specifying whether a valid ApiKey is required to invoke this method.

Type: Boolean

Required: No

authorizationScopes

A list of authorization scopes configured on the method. The scopes are used with a `COGNITO_USER_POOLS` authorizer to authorize the method invocation. The authorization works by matching the method scopes against the scopes parsed from the access token in the incoming request. The method invocation is authorized if any method scopes matches a claimed scope in the access token. Otherwise, the invocation is not authorized. When the method scope is configured, the client must provide an access token instead of an identity token for authorization purposes.

Type: Array of strings

Required: No

authorizationType

The method's authorization type. Valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, `CUSTOM` for using a custom authorizer, or `COGNITO_USER_POOLS` for using a Cognito user pool.

Type: String

Required: No

authorizerId

The identifier of an authorizer to use on this method. The method's authorization type must be `CUSTOM` or `COGNITO_USER_POOLS`.

Type: String

Required: No

httpMethod

The method's HTTP verb.

Type: String

Required: No

methodIntegration

Gets the method's integration responsible for passing the client-submitted request to the back end and performing necessary transformations to make the request compliant with the back end.

Type: Integration object

Required: No

methodResponses

Gets a method response associated with a given HTTP status code.

Type: String to MethodResponse object map

Required: No

operationName

A human-friendly operation identifier for the method. For example, you can assign the `operationName` of `ListPets` for the `GET /pets` method in the `PetStore` example.

Type: String

Required: No

requestModels

A key-value map specifying data schemas, represented by Model resources, (as the mapped value) of the request payloads of given content types (as the mapping key).

Type: String to string map

Required: No

requestParameters

A key-value map defining required or optional method request parameters that can be accepted by API Gateway. A key is a method request parameter name matching the pattern of `method.request.{location}.{name}`, where `location` is `querystring`, `path`, or `header` and `name` is a valid and unique parameter name. The value associated with the key is a Boolean flag indicating whether the parameter is required (`true`) or optional (`false`). The method request parameter names defined here are available in Integration to be mapped to integration request parameters or templates.

Type: String to boolean map

Required: No

requestValidatorId

The identifier of a RequestValidator for request validation.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MethodResponse

Represents a method response of a given HTTP status code returned to the client. The method response is passed from the back end through the associated integration response that can be transformed using a mapping template.

Contents

responseModels

Specifies the Model resources used for the response's content-type. Response models are represented as a key/value map, with a content-type as the key and a Model name as the value.

Type: String to string map

Required: No

responseParameters

A key-value map specifying required or optional response parameters that API Gateway can send back to the caller. A key defines a method response header and the value specifies whether the associated method response header is required or not. The expression of the key must match the pattern `method.response.header.{name}`, where `name` is a valid and unique header name. API Gateway passes certain integration response data to the method response headers specified here according to the mapping you prescribe in the API's IntegrationResponse. The integration response data that can be mapped include an integration response header expressed in `integration.response.header.{name}`, a static value enclosed within a pair of single quotes (e.g., `'application/json'`), or a JSON expression from the back-end response payload in the form of `integration.response.body.{JSON-expression}`, where `JSON-expression` is a valid JSON expression without the $ prefix.)

Type: String to boolean map

Required: No

statusCode

The method response's status code.

Type: String

Pattern: `[1-5]\d\d`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MethodSetting

Specifies the method setting properties.

Contents

cacheDataEncrypted

Specifies whether the cached responses are encrypted.

Type: Boolean

Required: No

cacheTtlInSeconds

Specifies the time to live (TTL), in seconds, for cached responses. The higher the TTL, the longer the response will be cached.

Type: Integer

Required: No

cachingEnabled

Specifies whether responses should be cached and returned for requests. A cache cluster must be enabled on the stage for responses to be cached.

Type: Boolean

Required: No

dataTraceEnabled

Specifies whether data trace logging is enabled for this method, which affects the log entries pushed to Amazon CloudWatch Logs. This can be useful to troubleshoot APIs, but can result in logging sensitive data. We recommend that you don't enable this option for production APIs.

Type: Boolean

Required: No

loggingLevel

Specifies the logging level for this method, which affects the log entries pushed to Amazon CloudWatch Logs. Valid values are `OFF`, `ERROR`, and `INFO`. Choose `ERROR` to write only error-

level entries to CloudWatch Logs, or choose `INFO` to include all `ERROR` events as well as extra informational events.

Type: String

Required: No

metricsEnabled

Specifies whether Amazon CloudWatch metrics are enabled for this method.

Type: Boolean

Required: No

requireAuthorizationForCacheControl

Specifies whether authorization is required for a cache invalidation request.

Type: Boolean

Required: No

throttlingBurstLimit

Specifies the throttling burst limit.

Type: Integer

Required: No

throttlingRateLimit

Specifies the throttling rate limit.

Type: Double

Required: No

unauthorizedCacheControlHeaderStrategy

Specifies how to handle unauthorized requests for cache invalidation.

Type: String

Valid Values: `FAIL_WITH_403 | SUCCEED_WITH_RESPONSE_HEADER | SUCCEED_WITHOUT_RESPONSE_HEADER`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MethodSnapshot

Represents a summary of a Method resource, given a particular date and time.

Contents

apiKeyRequired

Specifies whether the method requires a valid ApiKey.

Type: Boolean

Required: No

authorizationType

The method's authorization type. Valid values are `NONE` for open access, `AWS_IAM` for using AWS IAM permissions, `CUSTOM` for using a custom authorizer, or `COGNITO_USER_POOLS` for using a Cognito user pool.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Model

Represents the data structure of a method's request or response payload.

Contents

contentType

The content-type for the model.

Type: String

Required: No

description

The description of the model.

Type: String

Required: No

id

The identifier for the model resource.

Type: String

Required: No

name

The name of the model. Must be an alphanumeric string.

Type: String

Required: No

schema

The schema for the model. For `application/json` models, this should be JSON schema draft 4 model. Do not include "*/" characters in the description of any properties because such "*/" characters may be interpreted as the closing marker for comments in some languages, such as Java or JavaScript, causing the installation of your API's SDK generated by API Gateway to fail.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MutualTlsAuthentication

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Contents

truststoreUri

An Amazon S3 URL that specifies the truststore for mutual TLS authentication, for example `s3://bucket-name/key-name`. The truststore can contain certificates from public or private certificate authorities. To update the truststore, upload a new version to S3, and then update your custom domain name to use the new version. To update the truststore, you must have permissions to access the S3 object.

Type: String

Required: No

truststoreVersion

The version of the S3 object that contains your truststore. To specify a version, you must have versioning enabled for the S3 bucket.

Type: String

Required: No

truststoreWarnings

A list of warnings that API Gateway returns while processing your truststore. Invalid certificates produce warnings. Mutual TLS is still enabled, but some clients might not be able to access your API. To resolve warnings, upload a new truststore to S3, and then update you domain name to use the new version.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MutualTlsAuthenticationInput

The mutual TLS authentication configuration for a custom domain name. If specified, API Gateway performs two-way authentication between the client and the server. Clients must present a trusted certificate to access your API.

Contents

truststoreUri

An Amazon S3 URL that specifies the truststore for mutual TLS authentication, for example `s3://bucket-name/key-name`. The truststore can contain certificates from public or private certificate authorities. To update the truststore, upload a new version to S3, and then update your custom domain name to use the new version. To update the truststore, you must have permissions to access the S3 object.

Type: String

Required: No

truststoreVersion

The version of the S3 object that contains your truststore. To specify a version, you must have versioning enabled for the S3 bucket

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PatchOperation

For more information about supported patch operations, see Patch Operations.

Contents

from

The copy update operation's source as identified by a JSON-Pointer value referencing the location within the targeted resource to copy the value from. For example, to promote a canary deployment, you copy the canary deployment ID to the affiliated deployment ID by calling a PATCH request on a Stage resource with "op":"copy", "from":"/canarySettings/deploymentId" and "path":"/deploymentId".

Type: String

Required: No

op

An update operation to be performed with this PATCH request. The valid value can be add, remove, replace or copy. Not all valid operations are supported for a given resource. Support of the operations depends on specific operational contexts. Attempts to apply an unsupported operation on a resource will return an error message..

Type: String

Valid Values: `add | remove | replace | move | copy | test`

Required: No

path

The op operation's target, as identified by a JSON Pointer value that references a location within the targeted resource. For example, if the target resource has an updateable property of {"name":"value"}, the path for this property is /name. If the name property value is a JSON object (e.g., {"name": {"child/name": "child-value"}}), the path for the child/name property will be /name/child~1name. Any slash ("/") character appearing in path names must be escaped with "~1", as shown in the example above. Each op operation can have only one path associated with it.

Type: String

Required: No

value

The new target value of the update operation. It is applicable for the add or replace operation. When using AWS CLI to update a property of a JSON value, enclose the JSON object with a pair of single quotes in a Linux shell, e.g., '{"a": ...}'.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QuotaSettings

Quotas configured for a usage plan.

Contents

limit

The target maximum number of requests that can be made in a given time period.

Type: Integer

Required: No

offset

The number of requests subtracted from the given limit in the initial time period.

Type: Integer

Required: No

period

The time period in which the limit applies. Valid values are "DAY", "WEEK" or "MONTH".

Type: String

Valid Values: `DAY | WEEK | MONTH`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RequestValidator

A set of validation rules for incoming Method requests.

Contents

id

The identifier of this RequestValidator.

Type: String

Required: No

name

The name of this RequestValidator

Type: String

Required: No

validateRequestBody

A Boolean flag to indicate whether to validate a request body according to the configured Model schema.

Type: Boolean

Required: No

validateRequestParameters

A Boolean flag to indicate whether to validate request parameters (`true`) or not (`false`).

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Resource

Represents an API resource.

Contents

id

The resource's identifier.

Type: String

Required: No

parentId

The parent resource's identifier.

Type: String

Required: No

path

The full path for this resource.

Type: String

Required: No

pathPart

The last path segment for this resource.

Type: String

Required: No

resourceMethods

Gets an API resource's method of a given HTTP verb.

Type: String to Method object map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestApi

Represents a REST API.

Contents

apiKeySource

The source of the API key for metering requests according to a usage plan. Valid values are: >HEADER to read the API key from the X-API-Key header of a request. AUTHORIZER to read the API key from the UsageIdentifierKey from a custom authorizer.

Type: String

Valid Values: HEADER | AUTHORIZER

Required: No

apiStatus

The ApiStatus of the RestApi.

Type: String

Valid Values: UPDATING | AVAILABLE | PENDING | FAILED

Required: No

apiStatusMessage

The status message of the RestApi. When the status message is UPDATING you can still invoke it.

Type: String

Required: No

binaryMediaTypes

The list of binary media types supported by the RestApi. By default, the RestApi supports only UTF-8-encoded text payloads.

Type: Array of strings

Required: No

createdDate

The timestamp when the API was created.

Type: Timestamp

Required: No

description

The API's description.

Type: String

Required: No

disableExecuteApiEndpoint

Specifies whether clients can invoke your API by using the default `execute-api` endpoint. By default, clients can invoke your API with the default `https://{api_id}.execute-api.{region}.amazonaws.com` endpoint. To require that clients use a custom domain name to invoke your API, disable the default endpoint.

Type: Boolean

Required: No

endpointAccessMode

The endpoint access mode of the RestApi.

Type: String

Valid Values: `BASIC | STRICT`

Required: No

endpointConfiguration

The endpoint configuration of this RestApi showing the endpoint types and IP address types of the API.

Type: EndpointConfiguration object

Required: No

id

The API's identifier. This identifier is unique across all of your APIs in API Gateway.

Type: String

Required: No

minimumCompressionSize

A nullable integer that is used to enable compression (with non-negative between 0 and 10485760 (10M) bytes, inclusive) or disable compression (with a null value) on an API. When compression is enabled, compression or decompression is not applied on the payload if the payload size is smaller than this value. Setting it to zero allows compression for any payload size.

Type: Integer

Required: No

name

The API's name.

Type: String

Required: No

policy

A stringified JSON policy document that applies to this RestApi regardless of the caller and Method configuration.

Type: String

Required: No

rootResourceId

The API's root resource ID.

Type: String

Required: No

securityPolicy

The Transport Layer Security (TLS) version + cipher suite for this RestApi.

Type: String

Valid Values: `TLS_1_0 | TLS_1_2 | SecurityPolicy_TLS13_1_3_2025_09 | SecurityPolicy_TLS13_1_3_FIPS_2025_09 | SecurityPolicy_TLS13_1_2_PFS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_FIPS_PQ_2025_09 | SecurityPolicy_TLS13_1_2_PQ_2025_09 | SecurityPolicy_TLS13_1_2_2021_06 | SecurityPolicy_TLS13_2025_EDGE | SecurityPolicy_TLS12_PFS_2025_EDGE | SecurityPolicy_TLS12_2018_EDGE`

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

version

A version identifier for the API.

Type: String

Required: No

warnings

The warning messages reported when `failonwarnings` is turned on during API import.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SdkConfigurationProperty

A configuration property of an SDK type.

Contents

defaultValue

The default value of an SdkType configuration property.

Type: String

Required: No

description

The description of an SdkType configuration property.

Type: String

Required: No

friendlyName

The user-friendly name of an SdkType configuration property.

Type: String

Required: No

name

The name of a an SdkType configuration property.

Type: String

Required: No

required

A boolean flag of an SdkType configuration property to indicate if the associated SDK configuration property is required (`true`) or not (`false`).

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SdkType

A type of SDK that API Gateway can generate.

Contents

configurationProperties

A list of configuration properties of an SdkType.

Type: Array of SdkConfigurationProperty objects

Required: No

description

The description of an SdkType.

Type: String

Required: No

friendlyName

The user-friendly name of an SdkType instance.

Type: String

Required: No

id

The identifier of an SdkType instance.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Stage

Represents a unique identifier for a version of a deployed RestApi that is callable by users.

Contents

accessLogSettings

Settings for logging access in this stage.

Type: AccessLogSettings object

Required: No

cacheClusterEnabled

Specifies whether a cache cluster is enabled for the stage. To activate a method-level cache, set `CachingEnabled` to `true` for a method.

Type: Boolean

Required: No

cacheClusterSize

The stage's cache capacity in GB. For more information about choosing a cache size, see Enabling API caching to enhance responsiveness.

Type: String

Valid Values: `0.5 | 1.6 | 6.1 | 13.5 | 28.4 | 58.2 | 118 | 237`

Required: No

cacheClusterStatus

The status of the cache cluster for the stage, if enabled.

Type: String

Valid Values: `CREATE_IN_PROGRESS | AVAILABLE | DELETE_IN_PROGRESS | NOT_AVAILABLE | FLUSH_IN_PROGRESS`

Required: No

canarySettings

Settings for the canary deployment in this stage.

Type: CanarySettings object

Required: No

clientCertificateId

The identifier of a client certificate for an API stage.

Type: String

Required: No

createdDate

The timestamp when the stage was created.

Type: Timestamp

Required: No

deploymentId

The identifier of the Deployment that the stage points to.

Type: String

Required: No

description

The stage's description.

Type: String

Required: No

documentationVersion

The version of the associated API documentation.

Type: String

Required: No

lastUpdatedDate

The timestamp when the stage last updated.

Type: Timestamp

Required: No

methodSettings

A map that defines the method settings for a Stage resource. Keys (designated as `/{method_setting_key` below) are method paths defined as `{resource_path}/{http_method}` for an individual method override, or `/\*/\*` for overriding all methods in the stage.

Type: String to MethodSetting object map

Required: No

stageName

The name of the stage is the first path segment in the Uniform Resource Identifier (URI) of a call to API Gateway. Stage names can only contain alphanumeric characters, hyphens, and underscores. Maximum length is 128 characters.

Type: String

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

tracingEnabled

Specifies whether active tracing with X-ray is enabled for the Stage.

Type: Boolean

Required: No

variables

A map that defines the stage variables for a Stage resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9-._~:/?#&=,]+`.

Type: String to string map

Required: No

webAclArn

The ARN of the WebAcl associated with the Stage.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StageKey

A reference to a unique stage identified in the format `{restApiId}/{stage}`.

Contents

restApiId

The string identifier of the associated RestApi.

Type: String

Required: No

stageName

The stage name associated with the stage key.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ThrottleSettings

The API request rate limits.

Contents

burstLimit

The API target request burst rate limit. This allows more requests through for a period of time than the target rate limit.

Type: Integer

Required: No

rateLimit

The API target request rate limit.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TlsConfig

Specifies the TLS configuration for an integration.

Contents

insecureSkipVerification

Specifies whether or not API Gateway skips verification that the certificate for an integration endpoint is issued by a supported certificate authority. This isn't recommended, but it enables you to use certificates that are signed by private certificate authorities, or certificates that are self-signed. If enabled, API Gateway still performs basic certificate validation, which includes checking the certificate's expiration date, hostname, and presence of a root certificate authority. Supported only for HTTP and HTTP_PROXY integrations.

> **Important**
>
> Enabling `insecureSkipVerification` isn't recommended, especially for integrations with public HTTPS endpoints. If you enable `insecureSkipVerification`, you increase the risk of man-in-the-middle attacks.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UsagePlan

Represents a usage plan used to specify who can assess associated API stages. Optionally, target request rate and quota limits can be set. In some cases clients can exceed the targets that you set. Don't rely on usage plans to control costs. Consider using AWS Budgets to monitor costs and AWS WAF to manage API requests.

Contents

apiStages

The associated API stages of a usage plan.

Type: Array of ApiStage objects

Required: No

description

The description of a usage plan.

Type: String

Required: No

id

The identifier of a UsagePlan resource.

Type: String

Required: No

name

The name of a usage plan.

Type: String

Required: No

productCode

The AWS Marketplace product identifier to associate with the usage plan as a SaaS product on the AWS Marketplace.

Type: String

Required: No

quota

The target maximum number of permitted requests per a given unit time interval.

Type: QuotaSettings object

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

throttle

A map containing method level throttling information for API stage in a usage plan.

Type: ThrottleSettings object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UsagePlanKey

Represents a usage plan key to identify a plan customer.

Contents

id

The Id of a usage plan key.

Type: String

Required: No

name

The name of a usage plan key.

Type: String

Required: No

type

The type of a usage plan key. Currently, the valid key type is `API_KEY`.

Type: String

Required: No

value

The value of a usage plan key.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

VpcLink

An API Gateway VPC link for a RestApi to access resources in an Amazon Virtual Private Cloud (VPC).

Contents

description

The description of the VPC link.

Type: String

Required: No

id

The identifier of the VpcLink. It is used in an Integration to reference this VpcLink.

Type: String

Required: No

name

The name used to label and identify the VPC link.

Type: String

Required: No

status

The status of the VPC link. The valid values are `AVAILABLE`, `PENDING`, `DELETING`, or `FAILED`. Deploying an API will wait if the status is `PENDING` and will fail if the status is `DELETING`.

Type: String

Valid Values: `AVAILABLE | PENDING | DELETING | FAILED`

Required: No

statusMessage

A description about the VPC link status.

Type: String

Required: No

tags

The collection of tags. Each tag element is associated with a given resource.

Type: String to string map

Required: No

targetArns

The ARN of the network load balancer of the VPC targeted by the VPC link. The network load balancer must be owned by the same AWS account of the API owner.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400

Patch Operations

This section lists information about the supported patch operations to update resources.

UpdateAccount

The following table shows the supported and unsupported op operations for `UpdateAccount`.

Path	op:add	op:replace	op:remove	op:copy
`/cloudwatchRoleArn`	Not supported	Supported	Not supported	Not supported
`/features`	Supported	Not supported	Supported, but not for the `UsagePlans` feature	Not supported

UpdateApiKey

The following table shows the supported and unsupported op operations for `UpdateApiKey`.

Path	op:add	op:replace	op:remove	op:copy
`/customerId`	Not supported	Supported	Not supported	Not supported
`/description`	Not supported	Supported	Not supported	Not supported
`/enabled`	Not supported	Supported	Not supported	Not supported
`/labels`	Supported	Not supported	Supported	Not supported
`/name`	Not supported	Supported	Not supported	Not supported
`/stages`	Supported	Not supported	Supported	Not supported

UpdateAuthorizer

The following table shows the supported and unsupported op operations for `UpdateAuthorizer`.

Path	op:add	op:replace	op:remove	op:copy
`/authorizerUri`	Not supported	Supported	Not supported	Not supported
`/authorizerCredentials`	Not supported	Supported	Not supported	Not supported
`/authorizerResultTtlInSeconds`	Not supported	Supported	Not supported	Not supported
`/authType`	Not supported	Supported	Not supported	Not supported
`/identitySource`	Supported	Supported	Supported	Not supported
`/identityValidationExpression`	Not supported	Supported	Not supported	Not supported
`/name`	Not supported	Supported	Not supported	Not supported
`/providerARNs`	Supported	Not supported	Supported	Not supported
`/type`	Not supported	Supported	Not supported	Not supported

UpdateBasePathMapping

The following table shows the supported and unsupported op operations for `UpdateBasePathMapping`.

Path	op:add	op:replace	op:remove	op:copy
`/basepath`	Not supported	Supported	Not supported	Not supported
`/restapiId`	Not supported	Supported	Not supported	Not supported
`/stage`	Not supported	Supported	Not supported	Not supported

UpdateClientCertificate

The following table shows the supported and unsupported op operations for `UpdateClientCertificate`.

Path	op:add	op:replace	op:remove	op:copy
`/description`	Not supported	Supported	Not supported	Not supported

UpdateDeployment

The following table shows the supported and unsupported op operations for `UpdateDeployment`.

Path	op:add	op:replace	op:remove	op:copy
`/description`	Not supported	Supported	Not supported	Not supported

UpdateDocumentationPart

The following table shows the supported and unsupported op operations for `UpdateDocumentationPart`.

Path	op:add	op:replace	op:remove	op:copy
`/properties`	Not supported	Supported	Not supported	Not supported

UpdateDocumentationVersion

The following table shows the supported and unsupported op operations for `UpdateDocumentationVersion`.

Path	op:add	op:replace	op:remove	op:copy
`/description`	Not supported	Supported	Not supported	Not supported

UpdateDomainName

The following table shows the supported and unsupported op operations for `UpdateDomainName`.

Path	op:add	op:replace	op:remove	op:copy
`/certificateName`	Supported for adding an edge certificate while updating a regional domain name to an edge-optimized one. This operation cannot be	Supported for rotating an edge certificate of an edge-optimized domain name.	Supported for removing an edge certificate while updating an edge-optimized domain name to a regional one. This operation cannot be	Not supported

Path	op:add	op:replace	op:remove	op:copy
	included with the `remove` operation in the same request.		included with the `add` operation in the same request.	
`/certificateArn`	Supported for adding an edge certificate while updating a regional domain name to an edge-optimized one. This operation cannot be included with the `remove` operation in the same request.	Supported for rotating an edge certificate of an edge-optimized domain name.	Supported for removing an edge certificate while updating an edge-optimized domain name to a regional one. This operation cannot be included with the `add` operation in the same request.	Not supported
`/endpointConfiguration/types`	Supported for updates between edge-optimized and regional endpoints. This operation cannot be included with the `remove` operation in the same request.	Not supported	Supported for updates between edge-optimized and regional endpoints. This operation cannot be included with the `add` operation in the same request.	Not supported

Path	op:add	op:replace	op:remove	op:copy
/endpointConfiguration/ipAddressType	Not supported	Supported. Only dualstack and ipv4 are supported.	Not supported	Not supported
/endpointAccessMode	Not supported	Supported only for custom domain names for public APIs.	Not supported	Not supported
/managementPolicy	Not supported	Supported only for custom domain names for private APIs.	Not supported	Not supported
/mutualTlsAuthentication/truststoreUri	Supported	Supported	Supported	Not supported
/mutualTlsAuthentication/truststoreVersion	Supported	Supported	Supported	Not supported
/policy	Not supported	Supported only for custom domain names for private APIs.	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/regionalCertificateName	Supported for adding a regional certificate. This operation cannot be included with the remove operation in the same request.	Supported for rotating a regional certificate of a regional domain name.	Supported for removing a regional certificate of an inactive API endpoint. This operation cannot be included with the add operation in the same request.	Not supported
/regionalCertificateArn	Supported for adding a regional certificate. This operation cannot be included with the remove operation in the same request.	Supported for rotating a regional certificate of a regional domain name.	Supported for removing a regional certificate of an inactive API endpoint. This operation cannot be included with the add operation in the same request.	Not supported
/routingMode	Not supported	Supported	Not supported	Not supported
/securityPolicy	Not supported	Supported for migrating a domain name.	Not supported	Not supported
/ownershipVerificationCertificateArn	Supported	Supported	Supported	Not supported

UpdateGatewayResponse

The following table shows the supported and unsupported op operations for `UpdateGatewayResponse`.

Path	op:add	op:replace	op:remove	op:copy
`/statusCode`	Not supported	Supported	Not supported	Not supported
`/responseParameters`	Supported	Supported	Supported	Not supported
`/responseTemplates`	Supported	Supported	Supported	Not supported

UpdateIntegration

The following table shows the supported and unsupported op operations for `UpdateIntegration`.

Path	op:add	op:replace	op:remove	op:copy
`/cacheKeyParameters`	Supported	Supported	Supported	Not supported
`/cacheNamespace`	Not supported	Supported	Not supported	Not supported
`/connectionId`	Not supported	Supported	Not supported	Not supported
`/connectionType`	Not supported	Supported	Not supported	Not supported
`/contentHandling`	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/httpMethod	Not supported	Supported, except for MOCK integrations	Not supported	Not supported
/integrationTarget	Not supported	Supported	Not supported	Not supported
/passthroughBehavior	Not supported	Supported	Not supported	Not supported
/requestParameters	Supported	Supported	Supported	Not supported
/requestTemplates	Supported	Supported	Supported	Not supported
/responseTransferMode	Not supported	Supported	Not supported	Not supported
/timeoutInMillis	Not supported	Supported	Not supported	Not supported
/tlsConfig/insecureSkipVerification	Not supported	Supported	Not supported	Not supported
/type	Not supported	Not supported	Not supported	Not supported
/uri	Not supported	Supported, except for MOCK integrations	Not supported	Not supported

UpdateIntegrationResponse

The following table shows the supported and unsupported op operations for `UpdateIntegrationResponse`.

Path	op:add	op:replace	op:remove	op:copy
`/contentHandling`	Not supported	Supported	Not supported	Not supported
`/responseParameters`	Supported	Supported	Supported	Not supported
`/responseTemplates`	Supported	Supported	Supported	Not supported
`/selectionPattern`	Not supported	Supported	Not supported	Not supported

UpdateMethod

The following table shows the supported and unsupported op operations for `UpdateMethod`.

Path	op:add	op:replace	op:remove	op:copy
`/authorizationScopes`	Supported	Not supported	Supported	Not supported
`/authorizationType`	Not supported	Supported	Not supported	Not supported
`/authorizerId`	Not supported	Supported	Not supported	Not supported
`/apiKeyRequired`	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/operationName	Not supported	Supported	Not supported	Not supported
/requestParameters	Supported	Supported, except for MOCK integrations	Supported	Not supported
/requestModels	Supported	Supported	Supported	Not supported
/requestValidatorId	Not supported	Supported	Not supported	Not supported

UpdateMethodResponse

The following table shows the supported and unsupported op operations for UpdateMethodResponse.

Path	op:add	op:replace	op:remove	op:copy
/responseModels	Supported	Supported	Supported	Not supported
/responseParameters	Supported	Supported	Supported	Not supported

UpdateModel

The following table shows the supported and unsupported op operations for UpdateModel.

Path	op:add	op:replace	op:remove	op:copy
/description	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/schema	Not supported	Supported	Not supported	Not supported

UpdateRequestValidator

The following table shows the supported and unsupported op operations for UpdateRequestValidator.

Path	op:add	op:replace	op:remove	op:copy
/name	Not supported	Supported	Not supported	Not supported
/validateRequestBody	Not supported	Supported	Not supported	Not supported
/validateRequestParameters	Not supported	Supported	Not supported	Not supported

UpdateResource

The following table shows the supported and unsupported op operations for UpdateResource.

Path	op:add	op:replace	op:remove	op:copy
/parentId	Not supported	Supported	Not supported	Not supported
/pathPart	Not supported	Supported	Not supported	Not supported

UpdateRestApi

The following table shows the supported and unsupported op operations for UpdateRestApi.

Path	op:add	op:replace	op:remove	op:copy
/apiKeySource	Not supported	Supported	Not supported	Not supported
/binaryMediaTypes	Supported	Supported	Supported	Not supported
/description	Supported	Supported	Supported	Not supported
/disableExecuteApiEndpoint	Not supported	Supported	Not supported	Not supported
/endpointConfiguration/types/{type}	Not supported	Supported. Type must be REGIONAL, EDGE, or PRIVATE.	Not supported	Not supported
/endpointConfiguration/vpcEndpointIds	Supported only for PRIVATE endpoint type.	Not supported	Supported only for PRIVATE endpoint type.	Not supported
/endpointConfiguration/ipAddressType	Not supported	Supported. Only dualstack and ipv4 are supported.	Not supported	Not supported
/endpointAccessMode	Not supported	Supported	Not supported	Not supported
/minimumCompressionSize *	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/name	Not supported	Supported	Not supported	Not supported
/policy	Not supported	Supported	Not supported	Not supported
/securityPolicy	Not supported	Supported	Not supported	Not supported

* To enable compression, apply a replace operation with the accompanying value property set to a non-negative integer between 0 and 10485760. To disable compression, apply a replace operation with the value property set to null or omit the value property.

UpdateStage

The following table shows the supported and unsupported op operations for UpdateStage.

The {resourcePath}/{httpMethod} portion of a method-setting path is the method setting key returned in the methodSettings map of GetStage. Forward slashes (/) in the resource path might be plain or encoded as ~1. For example, the GET method of the resource /resource/subresource might be returned as resource/subresource/GET, /resource/subresource/GET, or ~1resource~1subresource/GET. To call UpdateStage, add a single forward slash (/) in front of the key exactly as returned, followed by the setting: /resource/subresource/GET/throttling/rateLimit, //resource/subresource/GET/throttling/rateLimit, or /~1resource~1subresource/GET/throttling/rateLimit. Sending a path that does not match the stored key can create a duplicate method setting for the same resource path and method, which causes later UpdateStage requests to fail. To remove a duplicate, use a remove operation with the stored key by adding a single forward slash (/) in front of the key.

Path	op:add	op:replace	op:remove	op:copy
/accessLogSettings	Not supported	Not supported	Supported	Not supported
/accessLogSettings/*	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/accessLogSettings/destinationArn	Supported	Supported	Supported	Not supported
/accessLogSettings/format	Supported	Supported	Supported	Not supported
/cacheClusterEnabled	Not supported	Supported	Not supported	Not supported
/cacheClusterSize	Not supported	Supported	Not supported	Not supported
/canarySettings	Not supported	Not supported	Supported	Not supported
/canarySettings/deploymentId	Not supported	Supported	Not supported	Not supported
/canarySettings/percentTraffic	Not supported	Supported	Not supported	Not supported
/canarySettings/stageVariableOverrides	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/canarySettings/useStageCache	Not supported	Supported	Not supported	Not supported
/clientCertificateId	Not supported	Supported	Not supported	Not supported
/deploymentId	Not supported	Supported	Not supported	Supported
/description	Not supported	Supported	Not supported	Not supported
/documentationVersion	Not supported	Supported	Not supported	Not supported
/methodSettings	Not supported	Supported	Not supported	Not supported
/variables	Not supported	Supported	Supported	Not supported
/variables/*	Not supported	Supported	Not supported	Not supported
/tracingEnabled	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/metrics/enabled	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/{resourcePath}/{httpMethod}/logging/dataTrace	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/logging/loglevel	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/throttling/burstLimit	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/throttling/rateLimit	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/caching/enabled	Not supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/{resourcePath}/{httpMethod}/caching/dataEncrypted	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/caching/ttlInSeconds	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/caching/requireAuthorizationForCacheControl	Not supported	Supported	Not supported	Not supported
/{resourcePath}/{httpMethod}/caching/unauthorizedCacheControlHeaderStrategy	Not supported	Supported	Not supported	Not supported

UpdateUsage

The following table shows the supported and unsupported op operations for `UpdateUsage`.

Path	op:add	op:replace	op:remove	op:copy
`/remaining`	Not supported	Supported	Not supported	Not supported

UpdateUsagePlan

The following table shows the supported and unsupported op operations for `UpdateUsagePlan`.

Path	op:add	op:replace	op:remove	op:copy
`/apiStages`	Supported	Not supported	Supported	Not supported
`/apiStages/{apidId:stageName}/throttle/{resourcePath}/{httpMethod}`	Not supported	Not supported	Supported	Not supported
`/apiStages/{apidId:stageName}/throttle/{resourcePath}/{httpMethod}/rateLimit`	Supported	Supported	Not supported	Not supported
`/apiStages/{apidId`	Supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
:stageName}/throttle/{resourcePath}/{httpMethod}/burstLimit				
/apiStages/{apidId:stageName}/throttle	Supported	Supported	Supported	Not supported
/description	Not supported	Supported	Not supported	Not supported
/name	Not supported	Supported	Not supported	Not supported
/productCode	Supported	Supported	Supported	Not supported
/quota	Not supported	Not supported	Supported	Not supported
/quota/limit	Supported	Supported	Not supported	Not supported
/quota/offset	Supported	Supported	Not supported	Not supported
/quota/period	Supported	Supported	Not supported	Not supported
/throttle	Not supported	Not supported	Supported	Not supported
/throttle/burstLimit	Supported	Supported	Not supported	Not supported

Path	op:add	op:replace	op:remove	op:copy
/throttle/rateLimit	Supported	Supported	Not supported	Not supported

UpdateVpcLink

The following table shows the supported and unsupported op operations for UpdateVpcLink.

Path	op:add	op:replace	op:remove	op:copy
/name	Not supported	Supported	Not supported	Not supported
/description	Not supported	Supported	Not supported	Not supported