



FedRAMP

OSCAL Mini Workshop Series

September 18, 2024



info@fedramp.gov
fedramp.gov



Purpose

To inform stakeholders who use OSCAL on FedRAMP tooling and piloting activities related to OSCAL.



Outcomes

- Shared understanding of the FedRAMP Digital Authorization Package Pilot
- Clarity on tooling used by the FedRAMP team
- Shared understanding of how to get involved/stay involved in FedRAMP Automation team activities

Agenda



- Welcome
- Introduction of FedRAMP Automation Team
- Overview of the Digital Authorization Package Pilot
- How to Get Involved
- Q&A
- Closing

FedRAMP Automation & OSCAL Team

David Waltermire

Data Strategy & Standards Lead

AJ Stein

Technical SME, Lead Automation Developer

Kylie Hunter

US Digital Corps Fellow, Technical SME,
Automation Developer

Rene-Claude Tshiteya

Technical SME, Automation Developer

Paul Wand

Technical SME, Automation Developer

Dimitri Zhurkin

Technical SME, Automation Developer

Gabriel Rodriguez

Technical SME, Automation Developer (Intern)

Karen Scarfone

Technical SME, Writer

Jake Ahearn

Process SME

FedRAMP Digital Authorization Package Pilot



Goals of the Digital Authorization Package Pilot Program

- 01.** Develop accurate, clear, and actionable guidance on forming FedRAMP Digital Authorization Packages
- 02.** Use OSCAL more fully to provide a richer system context around services and system components
- 03.** Define the digital authorization package composition based on inheritance
- 04.** Develop a list of validation checks that must pass when a package is submitted to FedRAMP
- 05.** Dramatically expand the number of automated validation checks



FedRAMP Automation Team

- Implement SSP-related constraints and validations
- Develop automated unit tests for each constraint
- Update documentation to provide better guidance on forming FedRAMP OSCAL packages



Pilot Partners (CSPs/Tool Providers/Agencies)

- Use FedRAMP's external constraints to validate OSCAL SSPs
- Provide feedback on automated validations, including errors and opportunities for new validations

Note: The pilot will not focus on agency use of cloud services. This will be covered in future pilots.

Initial focus on most common SSP deficiencies that lead to review delays:

- SSP front-matter
- Appendix A - FedRAMP Security Controls
- Appendix E - Digital Identity
- Appendix J - CIS/CRM
- Appendix K - FIPS 199
- Appendix M - Integrated Inventory
- Appendix Q - Cryptographic Modules
- Section 11 - Separation of Duties

OSCAL Tooling

FedRAMP is contributing to a new version of the OSCAL CLI with many enhancements.

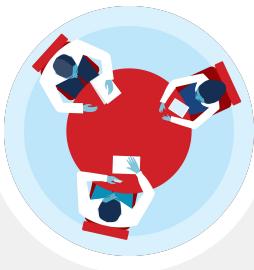
This tool provides generalized functionality needed by communities extending and using OSCAL, including:

- Full support for external constraints
- Metapath evaluation
- Mermaid diagramming
- Many bug fixes

<https://github.com/metaschema-framework/oscal-cli/releases>

OSCAL CLI Demo

Participating in the FedRAMP Digital Authorization Package Pilot



OSCAL Implementers Meeting

Sign up to our [distribution list](#)



FedRAMP Automation Office Hours

Sign up for our [office hours](#)



Have Questions?

Reach out to us with any questions or comments at
oscal@fedramp.gov

Q&A

Thank You!

Submit questions and future discussion topics to **OSCAL@fedramp.gov**

Learn more at **fedramp.gov**



@FEDRAMP