



OSCAL Mini Workshop Series

September 18, 2024



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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

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Data Strategy & Standards Lead

AJ Stein

Technical SME, Lead Automation Developer

Kylie Hunter

US Digital Corps Fellow, Technical SME,
Automation Developer

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Technical SME, Automation Developer

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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.

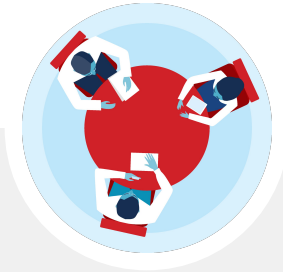
This tool provides generalized functionality needed by communities extending and using OSCAL, including:

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

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

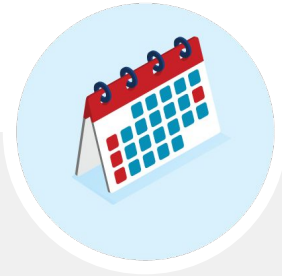
OSCAL CLI Demo

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



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