FedRAMP OSCAL Implementers

October 23, 2024

info@fedramp.gov

fedramp.gov

Purpose: To engage Cloud Service Providers, 3PAOs, tool vendors and other participants in FedRAMP's OSCAL Implementers activities.

Outcomes:

- Shared understanding of current OSCAL issues

- Shared understanding of using the tooling with SSPs (the next item covered in #653)

Agenda:

- Welcome
- OSCAL Implementers General Updates
- Digital Authorization Package Topic Discussion
- Open Forum
- Next Steps & Closing

FedRAMP Guiding Principles

Keep the discussion respectful

Be curious, seek understanding

Speak from your own experience

Challenge through questions

Focus on ideas

Keep it technical

General Updates

FedRAMP Automation Community Updates

Digital Authorization Package Pilot

This week, planned activities include:

Pilot Participants

- Finish setup local validation tooling in their environments
- Asking for help / reporting problems
- Continue validating their SSPs with the local validation tooling
- Report Issues

FedRAMP OSCAL Automation Team

- Continue building out FedRAMP external constraints for SSP
- Continued updates to documentation
- Continued updates to the OSCAL-CLI (https://github.com/metaschema-framework/oscal-cli/releases)

FedRAMP Automation Community Updates

GitHub Issues and Pull Request

- Documentation Site Updates
  - PR #91- Security sensitivity level
  - PR #85 - Primary / alternate processing locations
  - Issue #82 - Fix namespaces for @system and other @ns values
  - Issue #57 - Responsible party is person
  - PR #56 - System characteristics

- Constraints Updates
  - PR #800 - FedRAMP extension "fedramp-version" prop
  - PR #796 - Fix by-component implemented-requirement checks
  - PR #795 - Updates to "data-center" constraint unit test
 - PR #792 - Add "help-url" to all constraints

GitHub Issues

View the project workboard for more details on ongoing work and upcoming priorities
https://github.com/orgs/GSA/projects/25/views/3)

Architecture decision records (ADRs)

- ADR #10 (draft) - FedRAMP extensions registry replacement (GH issue #564)
  - Proposes an approach for replacing the prior experimental registry which per ADR #7 was deprecated

- ADR #11 (draft) - FedRAMP system identifier type and prop namespaces
  - Clarifies and documents rationale for the allowed / expected identifier-type and extension prop namespace.

Digital Authorization Packages Pilot

Pilot Expectations
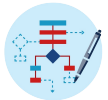
Review code, data, and documentation before, during, and after release in our GitHub repositories

Follow official processes to engage us whether participating frequently or ad-hoc

Full details on the official pilot page:
https://fedramp.gov/digital-authorization-package-pilot/

Digital Authorization Package Pilot

Roadmap of Next Steps for Users

Near-Term

- ✓ Containerized tools
- ✓ Installation of tools
- ✓ Asking for help / reporting problems
- ✓ Writing your own OSCAL documents
- ❏ **Using the tooling with OSCAL SSPs (Converting between formats)**
- ❏ Interpreting validation results
- ❏ Configuring the tooling and constraints

Longer-Term

- ❏ Using the tooling with POA&Ms
- ❏ Using the tooling with SAP & SAR
- ❏ Advanced features

See details of planned walkthroughs - https://github.com/GSA/fedramp-automation/issues/653

Command Structure

oscal-cli convert –to=format <oscal-artifact> <output-file-name>

OSCAL SSP

Output File

Container Prefix

docker run -it --rm -v $(pwd):/data ghcr.io/gsa/fedramp-automation/validation-tools:latest

Mount current directory

Load our fedramp-automation github

- Consider /data to be the docker equivalent to "." (this current directory)
- The docker container is using "/data" as an alias to point to your current working directory
- If you are in root, and the path to your file is "/SSPs/file", docker will be "/data/SSPs/file"

Open Forum

Thank you

Our next Implementers virtual meeting will be on

Wednesday, October 30, 2024 at 12p ET.

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

Learn more at fedramp.gov

@FEDRAMP

How to Submit Issues with FedRAMP

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Ensuring your outstanding issues or questions are received:

Issues can be submitted in several ways:

✓ Preferred	Alternate
Open an issue on fedramp-automation github so that it will benefit the NIST/FedRAMP community. **https://github.com/GSA/fedramp-automation/issues**	Email us at **oscal@fedramp.gov**

Collaboration Resources

FedRAMP Automation GitHub: https://github.com/GSA/fedramp-automation

- Open Issues: https://github.com/GSA/fedramp-automation/issues

- Open Pull Requests: https://github.com/GSA/fedramp-automation/pulls

- Active Work: https://github.com/orgs/GSA/projects/25/views/3

- Community Review Needed: https://github.com/orgs/GSA/projects/25/views/7

GitHub Resources:

- Issues: https://docs.github.com/en/issues

- Pull Requests: https://docs.github.com/en/pull-requests

OSCAL Resources

NIST:

OSCAL repo: https://pages.nist.gov/OSCAL/

Learning Resources: https://pages.nist.gov/OSCAL/learn/

Current release: https://github.com/usnistgov/OSCAL/releases

Development version: https://github.com/usnistgov/OSCAL/tree/develop

Content repo: https://github.com/usnistgov/oscal-content

FedRAMP:

Current repo: https://github.com/GSA/fedramp-automation

Current issues: https://github.com/GSA/fedramp-automation/issues

Early Adopter repo: https://github.com/GSA/fedramp-oscal-earlyadopters