



FedRAMP

FedRAMP OSCAL Implementers

September 25, 2024



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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
- Clarity around best practices to navigate issues and ask the FedRAMP Automation Team questions when developing a digital authorization package



Agenda:

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



Keep the discussion respectful



Be curious, seek understanding



Speak from your own experience



Challenge through questions



Focus on ideas



Keep it technical

General Updates

September 25, 2024

Digital Authorization Package Pilot

This week, planned activities include:

Pilot Participants

- Finish setup local validation tooling in their environments
- Begin validating their SSPs (metadata & back-matter) with the local validation tooling
- Asking for help / reporting problems

FedRAMP OSCAL Automation Team

- Continue building out FedRAMP external constraints
- Continued updates to documentation
- Continued updates to the [OSCAL-CLI](https://github.com/metaschema-framework/osc-cli/releases) (<https://github.com/metaschema-framework/osc-cli/releases>)

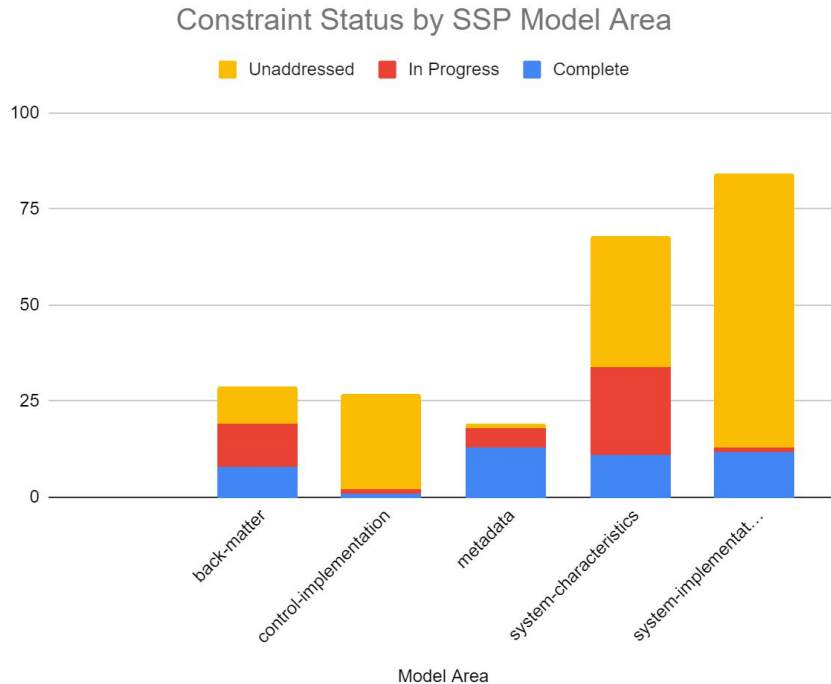
GitHub Issues

Ongoing:

- Issue #653 - Technical walkthroughs of FedRAMP Automation Tools (epic)
- Issue #657 - SSP Metadata constraints (epic)
- Issue #658 - SSP Back-Matter constraints (epic)
- Issue #661 - SSP System Characteristics constraints (epic)
- Issues #57, 44, 55 - documentation updates on automate.fedramp.gov
- Issue #603 - OSCAL CLI and External Constraints Improvements

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

FedRAMP External Constraints Status



- Approximately 50 constraints in feature branch
 - <https://github.com/GSA/fedramp-automation/tree/feature/external-constraints/src/validations/constraints>
- Status of constraints per SSP area
 - Back-Matter (24 constraints)
 - Metadata (19 constraints)
 - System-Characteristics (60)
 - System-Implementation (83)
 - Control-Implementations (26)

Releases

- Release Tag **fedramp-2.0.0-oscal-1.0.4** -
<https://github.com/GSA/fedramp-automation/releases>
 - Per [Architectural Decision Record #7](#), this is the final archival release to reference deprecated material *before deletion*
 - Hotfix for profiles - see [issue #695](#) for details
- Next, a major release will delete the deprecated content (date is TBD)
 - Deprecated content will be removed from the main branch
 - Release generic cross-model and foundational checks for system security plans
 - Establish alignment with versioning strategy -
<https://automate.fedramp.gov/about/release/>

FedRAMP Roadmap

Digital Authorization Packages 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
- 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>



Get Unstuck By:

- Understanding the `--show-stack-trace` argument for more detailed errors
- Interpreting error messages from stack traces



Ways to Ask Us for Help:

- Answering the right questions
- Using GitHub and picking the right issue type

Open Forum

Thank you

Our next Implementers virtual meeting will be on

Wednesday, October 2, 2024 at 12p ET.

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

Learn more at fedramp.gov



@FEDRAMP

Ensuring your outstanding issues or questions are received:

Issues can be submitted in several ways:



Preferred

Open an issue on fedramp-automation github so that it will benefit the NIST/FedRAMP community.

<https://github.com/GSA/fedramp-automation/issues>

Alternate

Email us at oscal@fedramp.gov

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>

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>