



# FedRAMP OSCAL Early Adopters

**August 23, 2023**



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**Purpose:** Ongoing weekly meeting to engage Cloud Service Providers, 3PAOs, tool vendors and other participants in FedRAMP's OSCAL Early Adopters Work Group (OEAW) activities.

**Outcomes:**

- Shared understanding of Charter and Mission of the Workgroup
- Shared understanding of program participation requirements and initial registration process.
- Shared understanding of SSP Schematron Rules and rule levels.



**Agenda:**

- Welcome
- Guiding Principles/Mission Review
- Participation Requirements
- Registration Follow-up
- Schematron SSP Rules Review
- 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**

## Charter:

**To create an engagement space for Cloud Service Providers, 3PAOs, tool developers and others who are adopting OSCAL for the FedRAMP® use case with the goal of refinement of FedRAMP automation technology and processes.**

## Mission Elements:

- Bring OSCAL early adopters together to foster community engagement for FedRAMP OSCAL use case.
- Provide bi-directional dialogue with participants on engineering process current and future state.
- Refinement of initial technology and processes for the FedRAMP OSCAL automation ecosystem.
- Testing of initial releases of FedRAMP Automation Portal and RESTful API services.

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- **Release 2.2.0** in testing environment and has been deployed as of 08/18/2023.
- A word about versions of tools and schemas:
  - ? NIST Core Validations using OSCAL-CLI 3.4
  - ? Rev 4 through portal is at OSCAL 1.0.4
  - ? Schema pathing on NIST OSCAL site has changed (should be using).
    - [https://github.com/usnistgov/OSCAL/releases/download/v1.0.4/oscal\\_complete\\_schema.xsd](https://github.com/usnistgov/OSCAL/releases/download/v1.0.4/oscal_complete_schema.xsd)
    - [https://github.com/usnistgov/OSCAL/releases/download/v1.0.4/oscal\\_ssp\\_schema.xsd](https://github.com/usnistgov/OSCAL/releases/download/v1.0.4/oscal_ssp_schema.xsd)
  - ? fedramp-automation repo current release tag: **fedramp-2.0.0-oscal-1.0.2 (dated September 2022)**
    - Holding on updating release tag for Rev 5 changes to be completed.
    - Updates have been made to Schematron rulesets and updated to github repository.
  - ? Some issues have been identified on fedramp-automation repo related to Rev 5. (Analysis in progress)

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## Current Issues on Early Adopters GitHub (Portal 2.2)

- (#2) File Upload and Validate Functionality Does Not Support File Names with Space. (Closed)
- (#3) Loading Indicator Hangs on Accounts Page (Closed)
- (#4) Registration Email Issues (Closed)
- (#5) Test file crashed FedRAMP validator (Pending NIST input).
  - ? UTF-8 vs. UTF-16.
  - ? OSCAL-CLI does not output errors with UTF-16.
  - ? FedRAMP Schematron Validations – expects UTF-8.
- (#7) Minified XML behaves differently than "pretty" printed XML (In process)
- (#8) Confusing Schematron Error Message (In process)
- (#9) UI goes blank after clicking "View details" on Basic File Schema step with invalid XML file (In process)

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The working group will have the following options when identifying and submitting issues related to the Portal and RESTful API services:

- Submission of general questions will be done via sending an email to [oscal@fedramp.gov](mailto:oscal@fedramp.gov).
- Submission of suggestions for process and software improvement can be done via submission form built into the portal or by sending an email to [oscal@fedramp.gov](mailto:oscal@fedramp.gov).
- Submission of bug reports will be done through the issue to the FedRAMP OSCAL Early Adopters repository (<https://github.com/vitg-gsa-automation/earlyadopters>) or sending an email with screen snapshots to [devops@volpegroup.com](mailto:devops@volpegroup.com)
  - ? Once the developers review the bug report they will initiate next steps with submitter.
  - ? All bug reports will be tagged as FedRAMP automation Portal or REST API issues in the early adopters repository.

## Initial Phases

- Phase 1 Validation Testing
- Phase 2 General Artifact Submission
- Phase 3 Document and Artifact Management
- Phase 4 Process Improvement and New Functionality



## Validation Testing

### Phase 1

- ❑ Duration: 4-6 weeks (planned).
- ❑ Submission of OSCAL Rev 4 Artifacts (XML Only).
- ❑ Provided via Portal Access only.
- ❑ Refinement of current Schematron ruleset for validations based on feedback from participants.
- ❑ Expansion of Validation of OSCAL Artifacts for other formats (e.g. JSON, YAML).
- ❑ Finalize Rev 4 FedRAMP validation ruleset modifications and migrate to rev 5.
- ❑ Limit of 2GB per XML artifact.
- ❑ Initiate access to RESTful API services for validation testing (optional).

# Artifact Rule Review (Continued)

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# Next Steps

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# Open Forum

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# Thank you

Our next OEAW virtual meeting will be on

**Weds September 30th, 2023 at 12p ET.**

Submit questions and future discussion topics to [OSCAL@fedramp.gov](mailto:OSCAL@fedramp.gov)

Learn more at [fedramp.gov](https://fedramp.gov)



[@FEDRAMP](https://twitter.com/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](mailto:oscal@fedramp.gov)

## **NIST:**

<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>

**Validations work:** <https://github.com/18F/fedramp-automation/tree/master/src/validations>

**Web based validation tool:**

<https://federalist-2372d2fd-fc94-42fe-bcc7-a8af4f664a51.app.cloud.gov/site/18f/fedramp-automation/#/documents/system-security-plan>