



Machine-Readable FedRAMP Artifacts

Presentation to
The NIST OSCAL Monthly Workshop Series

Agenda



- Brief History
- Feedback Received
- Priorities and Plan
- Adoption Paths
- Review Current State
- Discussion

Brief FedRAMP/OSCAL History



- 2018 NIST and FedRAMP begin work on OSCAL
- 2021 OSCAL 1.0.0 Released
- 2022 First OSCAL Submissions to FedRAMP
- 2024 FedRAMP PMO: OSCAL Fresh Start
- 2025 FedRAMP PMO: OSCAL Shut Down
- 2026 FedRAMP PMO: Puts OSCAL on Industry

Engagement and Outreach

- FedRAMP PMO
- Cloud Service Provider Advisory Board (CSP-AB)
- Various US Agencies



Feedback Received

PROS

- Technically Viable
- Highly Flexible is Important
- Multi-Framework Support is Critical
- Control Overlays are Critical
- Open and formal standard is critical

CONS

- Too Complex
- Highly Flexible Creates Ambiguity
- Very Difficult to Adopt
- Need an Incremental Approach
- Lack of Tools

Priorities

Priorities

- Clarify Representation
- Aid in Adoption
- Aid in Validation

Phased Approach



- **Phase 0:** Form Team / Establish Resources *Complete*
- **Phase 1:** FedRAMP SSP *In Progress*
- **Future:** *TBD – Based on Demand and PMO Interaction*
 - FedRAMP 20x
 - FedRAMP POA&M
 - FedRAMP SAP and SAR
 - Adjacent Frameworks
 - Other Frameworks

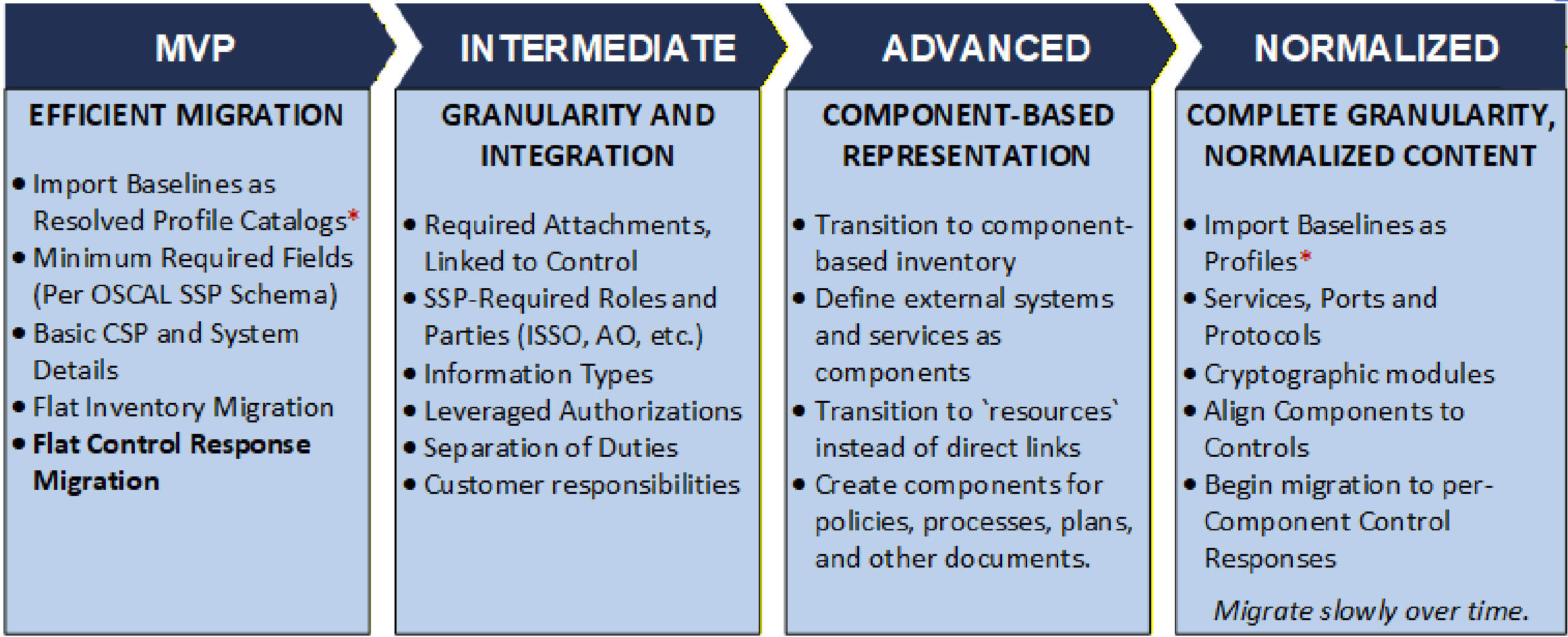


SSP Adoption Paths



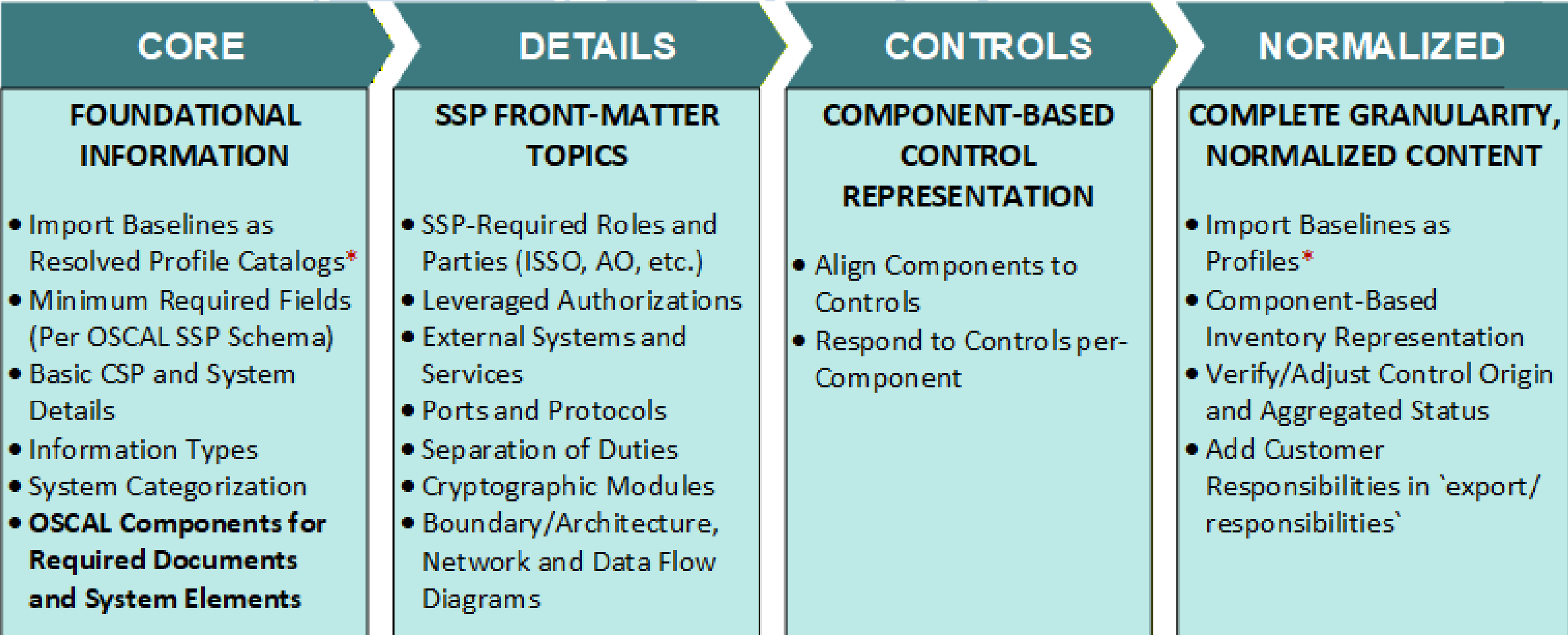
Retrofit Adoption Path

For CSPs converting from legacy Word SSPs



Native Adoption Path

For new CSPs with no legacy documentation



Resources

- GitHub Repo
 - <https://github.com/OSCAL-Foundation/fedramp-resources>
 - FedRAMP Baselines in OSCAL
 - Example SSPs
- Patterns Library
 - <https://patterns.rufrisk.com/>
 - Transitioning to <https://patterns.oscalfoundation.org> soon
 - Adoption Strategies
 - Representation Guidance
 - Project Milestones and status

Resources Review

What do we want from the OSCAL and FedRAMP Communities?



- Join our discussions:
 - Technical Working Group (TWG):
 - <https://oscalfoundationlists.org/g/technical-working-group>
 - FedRAMP Technical Focus Group (TFG):
 - <https://oscalfoundationlists.org/g/tfg-fedramp>
- Create issues or PRs
 - <https://github.com/OSCAL-Foundation/fedramp-resources>
- Review and Leave Comments
 - <https://patterns.rufrisk.com>
 - Self-register to leave comments
 - Request editor rights to contribute

The logo for OSCAL (Open Source Configuration Assessment Language) features a stylized blue icon on the left consisting of three curved lines that resemble a globe or a signal. To the right of the icon, the letters "OSCAL" are written in a large, bold, blue, sans-serif font.

OSCAL

F O U N D A T I O N

DISCUSSION / QUESTIONS

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