Open Security Controls Assessment Language (OSCAL)

Lunch with the OSCAL Developers

David Waltermire

National Institute of Standards and Technology

Teleconference Overview

- Ground Rules
- OSCAL Status Summary (5 minutes)
- Question and Answer / Discussion
  - Submitted questions will be discussed
  - The floor will be open for new questions and live discussion

OSCAL Lunch with the Developers

Purpose:

- Facilitate an open, ongoing dialog with the OSCAL developer and user communities to promote increased use of the OSCAL models

Goals:

- Provide up-to-date status of the OSCAL project development activities
- Answer questions about implementing and using the OSCAL models, and around development of OSCAL model-based content
- Review development priorities and adjust priorities based on community input
- Help the OSCAL community identify development needs

Ground Rules

- Keep the discussion respectful
  - Using welcoming and inclusive language
  - Being respectful of differing viewpoints and experiences
  - Gracefully accepting constructive criticism
  - Focusing on what is best for the community
  - Wait for one speaker to finish before speaking - one speaker at a time
- Speak from your own experience instead of generalizing ("I" instead of "they," "we," and "you").
- Do not be afraid to respectfully challenge one another by asking questions -- focus on ideas.
- The goal is not to always to agree -- it is to gain a deeper understanding.

OSCAL Version 1 Milestones

Milestone	Focus	Sprints	Status	Date
Milestone 1	Catalog and Profile Models	**1** to **21**	**Completed**	**6/15/2019**
Milestone 2	System Security Plan (SSP) Model	**6** to **23**	**Completed**	**10/1/2019**
Milestone 3	Component Definition Model	**6** to **~30**	**Completed**	**May 2020**
Release Candidates	Provide a web-based specification / Model Improvements	**24** to **~35**	**In Progress**	**~November 2020**
Full Release	Based on Community Feedback	**34** to **36**	Planned	**By end of 2020**
Ongoing Maintenance	Minor and bugfix releases as needed	Additional Sprints	Planned	Ongoing

Current Sprint: 36 (https://github.com/usnistgov/OSCAL/projects/35)
All Current NIST OSCAL Work: https://github.com/orgs/usnistgov/projects/9

Progress towards the Release Candidate

https://github.com/usnistgov/OSCAL/tree/metaschema-m4-integration

Work Completed

- **Improved all model overviews**
- **All models have been upgraded to Metaschema M4 revision**
- **Schema Production**
- **Content Converter Production**

Work Remaining

- **Correlation constraints**
- **Generalize allowed values from FedRAMP**
- **Model and model map documentation**
- Addressing remaining model issues
- M3 -> RC1 content updater
- Update existing content in oscal-content GitHub repo

OSCAL 1.0.0 RC1 Milestone: https://github.com/usnistgov/OSCAL/milestone/8

Reasons for delay of OSCAL 1.0.0 RC1

- Received a good amount of community feedback on the OSCAL models
  - We have a very engaged community. This is a good thing.
  - Currently working through this feedback
- Work on the final SP 800-53 rev 5 and SP 800-53B content
- Focus on improving generated XML and JSON documentation
- Work on making all OSCAL models consistent

All of this will result in a better OSCAL 1.0.0!

Review of Current/Completed Work

On Github: https://github.com/usnistgov/OSCAL

Help Needed

- Please review pull requests and comment on issues you are interested in.
- Need more model review: schemas, documentation gaps, etc.

Open Floor

What would you like to discuss?

What questions do you have?

Should we be covering anything differently?

Thank you

Next Lunch with Devs:

November 19th, 2020

12:00 Noon EST (4:00 PM UTC)

OSCAL Repository:
https://github.com/usnistgov/OSCAL

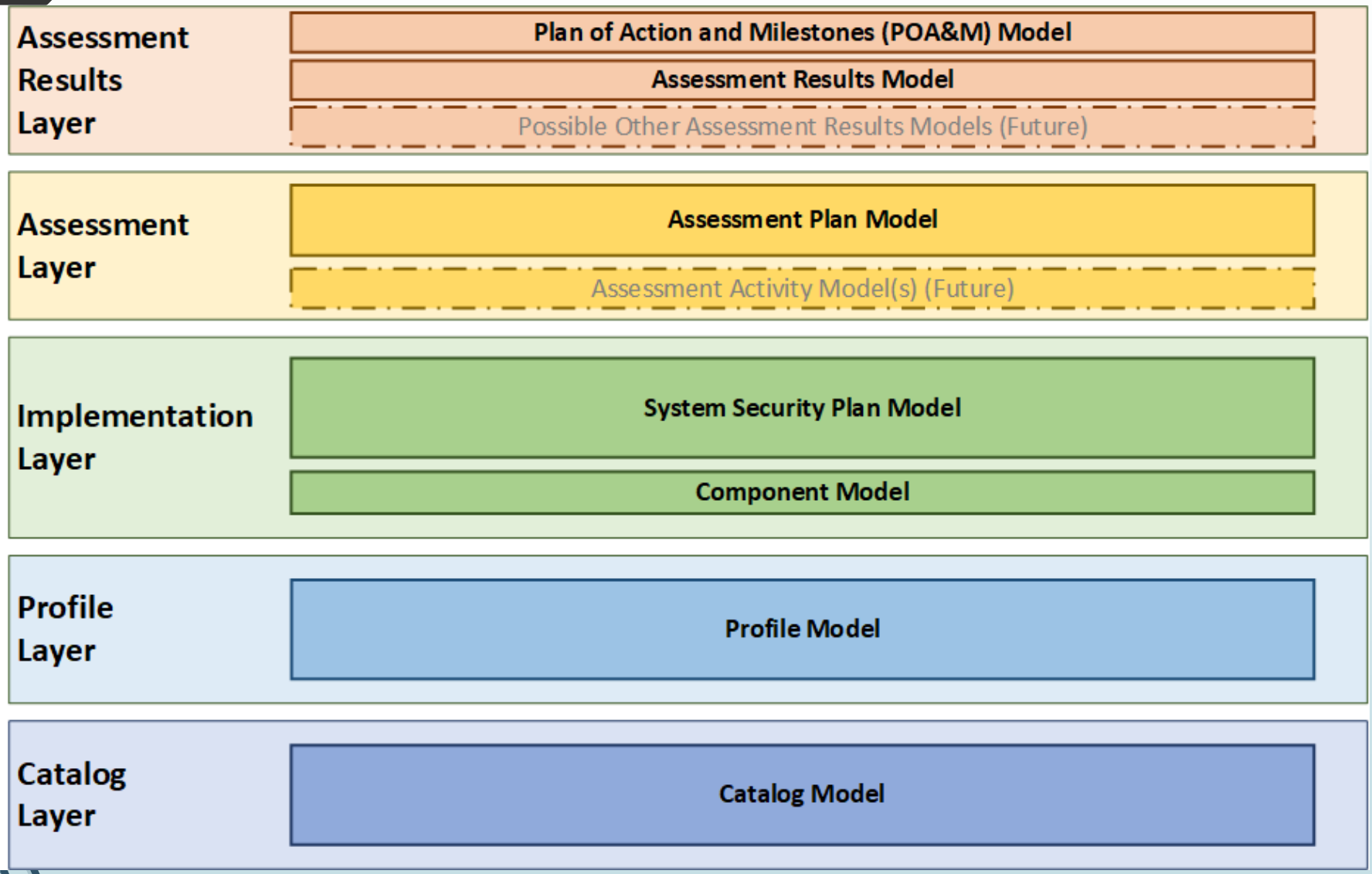
Project Website:
https://www.nist.gov/oscal

How to Contribute:
https://pages.nist.gov/OSCAL/contribute/

Contact Us: oscal@nist.gov

On Gitter:
https://gitter.im/usnistgov-OSCAL/Lobby

Three New OSCAL Models



POA&M

- Based on FedRAMP POA&M

Assessment Results

- Based on FedRAMP Security Assessment Report (SAR)

Assessment Plan

- Based on FedRAMP Security Assessment Plan (SAP)