



Volpe Information  
Technology Group, Inc.

# OSCAL TOOLKIT

NIST

NIST, in collaboration with industry has developed the Open Security Controls Assessment Language (OSCAL). OSCAL is a set of formats expressed in XML, JSON, and YAML. These formats provide machine-readable representations of control catalogs, control baselines, system security plans, and assessment plans and results. In order to accelerate adoption by Federal Agencies and CSPs VITG developed the OSCAL Toolkit.

The VITG suite enables users to:

- Transition the legacy approach to security plan generation and management (Word and Excel documents) to a data-centric approach based on common data standards such as XML/JSON.
- Puts security compliance data to work by allowing an extensible architecture that expresses security controls in both machine and human readable formats.
- Apply the benefits of the data-centric approach to automate existing processes that are resource intensive.
- OSCAL Import and Export
  - System Security Plans
  - System Assessment Plans
  - System Assessment Reports
  - POAMs
- Generate Word /PDF Versions of OSCAL documents using:
  - Customized Templates
  - FedRAMP Compliant Templates
  - Agency/CSP Specific Templates
- OSCAL Editing and Update
  - Easily Edit OSCAL data in an intuitive User Interface

## PAST PERFORMANCE:

- » FedRAMP PMO
- » Social Security Administration (SSA)
- » Center for Medicare and Medicaid Services (CMS)

*We will work with your organization to transition you to an automated control based assessment and the adoption of the OSCAL standards for your compliance documentation.*

## Control-based information expressed using OSCAL formats allows you to:

- » Easily access control information from security and privacy control catalogs.
- » Establish and share machine-readable control baselines.
- » Maintain and share actionable, up-to-date information about how controls are implemented in your systems
- » Automate the monitoring and assessment of your system control implementation effectiveness.
- » Interact with the FedRAMP PMO during assessment and authorization efforts for government cloud systems in an efficient and standardized manner.
- » Provides efficiencies to enable organizations to obtain Authorization To Operate (ATO) faster.

## Automated Control Based Assessment

Supporting Control Based  
Risk Management with  
Standardized Formats

### Every OSCAL File

#### Root Element (Identifies Model)

```
[ catalog | profile | component |  
  system-security-plan |  
  assessment-plan |  
  assessment-results |  
  plan-of-actions-and-milestones ]
```

#### Universally Unique Identifier (UUID)

#### Metadata

Must be at the start of every OSCAL file.  
**Syntax is the same, regardless of root element.**

- Title, Modified Date, OSCAL Syntax Version
- Document Date and Version
- Roles, People, Organizations, Locations

#### Body

**Syntax is different for each root element.**

#### Back Matter

May be at the end of any OSCAL file.  
**Syntax is the same, regardless of root element.**

- External Links and Citations
- Attachments and Embedded Images

## CONTACT US

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