

FedRAMP Common

While each FedRAMP template has a unique purpose, they share common information elements, such as title and publication date. These common elements are expressed using the same OSCAL syntax for the SSP, SAP, SAR, and POA&M. This section provides OSCAL syntax for these common elements.

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Roles

Every FedRAMP assessment package must identify the party (individual, team or organization) responsible for pre-defined roles, such as system owner and information system security officer (ISSO).

Representing this information in OSCAL requires four important elements:

- `roles` to define the roles
- `parties` to represent individuals, teams or organizations
- `responsible-parties` linking `roles` to `parties`
- Canonical role ID values for required roles ensure consistency for tool processing

This is represented in OSCAL `metadata`.

- A `roles` entry must exist that includes:
 - `id` with an canonical role ID value
 - `title` with a human-readable name for the role as it appears in the FedRAMP authorization package
- One or more `parties` entries must exist that includes:
 - `uuid` with a unique value
 - `type` with a value of `individual` for people or `organization` for teams and organizations
 - `name` with the name of the person, team or organization.
 - other fields as needed, such as `email-addresses`, `telephone numbers`, `addresses` or `location-uuid`.
- A `responsible-parties` entry must exist that includes:
 - `role-id` with the same value as in `roles/id` above.
 - `party-uuids` array with one or more UUIDs that reference `parties` entries above.
- Optional `locations` entries that can be linked from party entries

Representation

```
metadata:
  roles:
    - id: system-owner
      title: System Owner
    - id: authorizing-official
      title: Authorizing Official

  locations:
    - uuid: 11111111-2222-4000-8000-003000000001
```

```
title: CSP HQ
address:
  type: work
  addr-lines:
    - Suite 0000
    - 1234 Some Street
  city: Haven
  state: ME
  postal-code: '00000'
```

parties:

```
- uuid: 11111111-2222-4000-8000-004000000003
  type: individual
  name: A. Person
  email-addresses:
    - a.person@example.com
  location-uuids:
    - 11111111-2222-4000-8000-003000000001
```

responsible-parties:

```
- role-id: authorizing-official
  party-uuids:
    - 11111111-2222-4000-8000-004000000003
```

Canonical Role ID Values

The following values are canonical for roles and must be used for `id` in `roles` and `role-id` in `responsible-parties` to ensure consistent tool processing:

Roles for All FedRAMP Artifacts

This role ID	identifies
<code>prepared-by</code>	who prepared the FedRAMP artifact
<code>prepared-for</code>	for whom the artifact was prepared
<code>content-approver</code>	the individual(s) who approve the content in the FedRAMP artifact as accurate and complete.

Roles for System Security Plan (SSP)

This role ID	identifies
cloud-service-provider	the Cloud Service Provider's organization
system-owner	the CSP officer legally responsible for system
system-poc-management	the system's primary management contact
system-poc-technical	the system's primary technical contact
authorizing-official	an Agency's authorizing official (AO)
authorizing-official-poc	an Agency's primary point of contact on behalf of the AO.
system-poc-other	additional points of contact for the system
information-system-security-officer	the individual responsible for the the secure operation of the system
privacy-poc	the individual responsible for ensuring appropriate protection of privacy information within the system

For Retrofit MVP, start with just `cloud-service-provider` and `information-system-security-officer`.

Roles for Plan of Action and Milestones (POA&M)

To be added in Phase 2

Roles for Security Assessment Plan (SAP)

To be added in Phase 3

Roles for Security Assessment Report (SAR)

To be added in Phase 3

Title Pages



FedRAMP® (High, Moderate, Low, LI-SaaS) Baseline System Security Plan (SSP)

for <Insert CSP Name>

<Insert CSO Name>

<Insert Version X.X>

<Insert MM/DD/YYYY>Error! Reference source not found.
Error! Reference source not found.



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All FedRAMP artifacts include a title page. The content found on the title page is represented using core OSCAL content in `metadata`.

- `title` the artifact title as FedRAMP requires it to appear
- `published` the formal publication date of the artifact (using OSCAL `date-time-with-timezone` format)
- `version` the formal version number of the artifact
- a `prop` entry with:
 - `name` set to `marking`
 - `value` set to `Controlled Unclassified Information`
- an additional `prop` entry with:
 - `name` set to `fedramp-version`
 - `ns` set to `http://fedramp.gov/ns/oscal`
 - `value` set to the the tag representing the version of FedRAMP being used

The CSP name is represented using the `cloud-service-provider` role in SSP [Roles](#).

The CSO name is addressed using the SSP [System Information, CSO Name](#)

For assessment artifacts, the assessor name is represented using the `assessor` role in the SAP [Roles](#).

Additional document markings may be added using additional `prop` entries with `name` set to `marking` and `value` set to the required marking.

All documents in a digital authorization package for FedRAMP should specify the version that identifies which FedRAMP policies, guidance, and technical specifications its authors used during the creation and maintenance of the package.

Representation

```
system-security-plan:
  metadata:
    title: \"[EXAMPLE\\] FedRAMP \"[Baseline Name\\] System Security Plan (SSP)
    published: '2024-12-31T23:59:59Z'
    last-modified: '2025-01-08T04:18:29Z'
    version: fedramp-3.0.0rc1-oscal-1.1.2
    oscal-version: 1.1.3

  props:
    - name: marking
      value: cui
      class: fedramp.gov
```

Revision History

Document Revision History

The OSCAL revision history requires one FedRAMP extension to meet FedRAMP's revision history requirements.

The revision history's author information is derived from FedRAMP's `party-uuid` flag, which points to a metadata `party` UUID value. The published field accepts the NIST OSCAL data type format. For details, see [date-time-with-timezone](#) on the NIST website.

Note: FedRAMP OSCAL requires only the publication date, not the time. You may replace the time portion with all zeros. FedRAMP tools should present only the date in a user-friendly format.

The `remarks` field is a Markup multiline format, which enables formatting of text and requires special handling.

Representation

```
revisions:  
- published: '2025-03-30T00:00:00Z'  
  version: '1.0'  
  oscal-version: '1.1.3'  
  props:  
  - name: party-uuid  
    ns: http://fedramp.gov/ns/oscal  
    value: 9f411fde-00b2-45b4-8043-129da20ce6dd  
  remarks: Initial publication.  
  
roles:  
- id: prepared-by  
  title: Prepared By  
  description: Cloud Service Provider  
  
parties:  
- uuid: 9f411fde-00b2-45b4-8043-129da20ce6dd  
  type: organization  
  name: Cloud Service Provider
```

responsible-parties:

- role-id: cloud-service-provider

party-uuids:

- 9f411fde-00b2-45b4-8043-129da20ce6dd

- role-id: prepared-by

party-uuids:

- 9f411fde-00b2-45b4-8043-129da20ce6dd

Attachments

Attachments

All OSCAL models handle attachments the same way. The following is used to attach files to OSCAL-based FedRAMP artifacts, such as when attaching policies and plans to a System Security Plan (SSP) or evidence to a Security Assessment Report (SAR).

Identifying attachments in an OSCAL FedRAMP SSP, POA&M, SAP or SAR requires:

- a `back-matter` object as a child to the root element
 - a `resources` array, each `resources` entry includes:
 - a `uuid` (required)
 - a `title` (best practice)
 - a `description` (encouraged)
 - a `props` array with entries that can include:
 - `name = type` with a token `value` (best practice): Identifies the attachment type. See below.
 - `name = version` with a string `value` (best practice if applicable): Identifies the attachment's published version number
 - `name = published` with an OSCAL [date-time-with-timezone](#) `value` (best practice if applicable): Identifies the attachment's publication date
 - either an `rlinks` array (strongly preferred) or `base64` object
 - an `rlinks` array entry includes:
 - a `href` with a relative or absolute URI (required)
 - a `media-type` (best practice)
 - consider ignoring `hashes` at this time
 - a `base64` object:
 - a `filename` field (encouraged)
 - a `media-type` field (best practice)
 - a `value`: Contains the Base 64 value of the attachment. While OSCAL does not require this field, a `base64` object has no significance without it.

Attachment Representation

```
system-security-plan
  back-matter:
    resources:
      - uuid: 11111111-2222-4000-8000-001000000001
        title: Attachment Title
```

```
description: Linked attachment.
props:
  - name: type
    value: policy
rlinks:
  - href: ./attachments/policy.pdf
    media-type: application/pdf

- uuid: 11111111-2222-4000-8000-001000000002
  title: Logo
  description: A Base 64 embeded logo.
  props:
    - name: type
      value: logo
  base64:
    filename: logo.png
    media-type: application/png
    value: '00000000'
```

Allowed Values

The `type` property `value` may only have one of the following allowed values:
The value must be one of the following:

- `logo`: Indicates the resource is an organization's logo.
- `image`: Indicates the resource represents an image.
- `screen-shot`: Indicates the resource represents an image of screen content.
- `law`: Indicates the resource represents an applicable law.
- `regulation`: Indicates the resource represents an applicable regulation.
- `standard`: Indicates the resource represents an applicable standard.
- `external-guidance`: Indicates the resource represents applicable guidance.
- `acronyms`: Indicates the resource provides a list of relevant acronyms.
- `citation`: Indicates the resource cites relevant information.
- `policy`: Indicates the resource is a policy.
- `procedure`: Indicates the resource is a procedure.
- `system-guide`: Indicates the resource is guidance document related to the subject system of an SSP.

- `users-guide` : Indicates the resource is guidance document a user's guide or administrator's guide.
 - `administrators-guide` : Indicates the resource is guidance document a administrator's guide.
 - `rules-of-behavior` : Indicates the resource represents rules of behavior content.
 - `plan` : Indicates the resource represents a plan.
 - `artifact` : Indicates the resource represents an artifact, such as may be reviewed by an assessor.
 - `evidence` : Indicates the resource represents evidence, such as to support an assessment finding.
 - `tool-output` : Indicates the resource represents output from a tool.
 - `raw-data` : Indicates the resource represents machine data, which may require a tool or analysis for interpretation or presentation.
 - `interview-notes` : Indicates the resource represents notes from an interview, such as may be collected during an assessment.
 - `questionnaire` : Indicates the resource is a set of questions, possibly with responses.
 - `report` : Indicates the resource is a report.
 - `agreement` : Indicates the resource is a formal agreement between two or more parties.
-

Parties and Locations

Individuals, teams, corporations and government agencies are represented in OSCAL `metadata` using the `parties` array. Location information can be included within a party's information or defined separately for sharing.

Locations

Define a common location to be associated with multiple parties, or as stand-alone information. In `metadata` include:

- a `locations` array. Each entry has:
 - a `uuid` (required)
 - a `title` (best practice)
 - an `address` object with:
 - a `type` set to `work`
 - an `address-lines` array with one or more string entries representing the street number, mail stop, or similar.
 - a `city` as appropriate for your geography
 - a `state` as appropriate for your geography
 - a `postal-code` as appropriate for your geography

```
root-model-name
  metadata:

    locations:
    - uuid: 11111111-2222-4000-8000-003000000001
      title: CSP HQ
      address:
        type: work
        addr-lines:
        - Suite 0000
        - 1234 Some Street
        city: Haven
        state: ME
        postal-code: '00000'
```

Locations for Stand-Alone Information

For locations such as Data Centers that may be expressed in an SSP, POA&M, AP or AR:

- add a `props` array with an entry:
 - `name` set to `type`
 - `value` set to `data-center` (Additional values are allowed, but are not well-defined at this time.)
 - `class` set to either `primary` or `alternate`

```

root-model-name
  metadata:

    locations:
      - uuid: 11111111-2222-4000-8000-003000000002
        title: Primary Data Center
        address:
          addr-lines:
            - 2222 Main Street
          city: Anywhere
          state: --
          postal-code: 00000-0000
          country: US
        props:
          - name: type
            value: data-center
            class: primary

```

Parties

In `metadata` include:

- a `parties` array. Each entry has:
 - a `uuid` (required)
 - a `type` (required) set to `individual` or `organization`
 - Use `organization` for teams, companies and agencies.
 - a `name` (best practice)
 - a `short-name` (optional - recommended for organizations with well-known acronyms)
 - an `email-addresses` array with each entry containing
 - a string representing an [RFC-6531](#) formatted email address
 - a `telephone-numbers` array with each entry containing an object with:
 - `type` (optional) set to `home`, `office` or `mobile` (Other values allowed, but not well defined)
 - `number` set to a string representing the phone number
 - **either** a `location-uuids` array or an `addresses` array:

- `location-uuids` array entries contain the UUID value of defined `locations` array entries.
- `addresses` array entries each include:
 - a `type` set to `work` or `home` as appropriate
 - an `address-lines` array with one or more string entries representing the street number, mail stop, or similar.
 - a `city` as appropriate for your geography
 - a `state` as appropriate for your geography
 - a `postal-code` as appropriate for your geography

```

root-model-name
  metadata:

  parties:
  - uuid: 11111111-2222-4000-8000-004000000001
    type: organization
    name: Cloud Service Provider (CSP) Name
    short-name: CSP Acronym/Short Name
    email-addresses:
    - name@example.com
    telephone-numbers:
    - number: '2020000001':
    location-uuids:
    - 11111111-2222-4000-8000-003000000001

```

Alternatively use `addresses` instead of `location-uuids`:

```

addresses:
- type: work
  addr-lines:
  - 1800 F St. NW
  city: Washington
  state: DC
  postal-code: '20006'
  country: US

```

Logos and Web Sties

To associate a logo or web site with a party:

- add a `links` array to the party

To identify a web site:

- add an entry to the `links` array with:
 - `href` set to the URL of the organization's web site
 - `rel` set to `homepage`

To identify a logo:

- add an entry to the `back-matter` / `resources` array with:
 - a `uuid` (required)
 - a `title` (best practice)
 - `description` (optional)
 - add a `props` array with an entry:
 - `name` set to `type`
 - `value` set to `logo`
 - **either** an `rlinks` array or a `base64` object
 - an `rlinks` entry includes:
 - `href` (required) with a path to the logo (relative path strongly recommended)
 - `media-type` (best practice) with an appropriate [IANA-recognized Media Type](#)
 - a `base64` object includes:
 - `media-type` (required for rendering) with an appropriate [IANA-recognized Media Type](#)
 - `value` with the Base 64 value of the logo
- add an entry to the `links` array with:
 - `href` with a URI Fragment that references the UUID of the `resources`
 - The `href` value must start with a hashtag (`#`) character followed by the UUID value of the resource
 - `rel` set to `logo`

```
root-model-name
  metadata:

  parties:
    - uuid: d865602c-9d3b-49d7-8125-ce3f1ca04231
      type: organization
      name: CSP
```

links:

- href: <https://csp.example.com>
rel: homepage
- href: #891263fb-a5d6-44db-8d73-51bb8a9a3610
rel: logo

back-matter:

resources:

- uuid: 891263fb-a5d6-44db-8d73-51bb8a9a3610
title: CSP Logo
description: Logo of the organization that prepared the document.

props:

- name: type
value: logo

rlinks:

- href: ./attachments/img/logo.png

base64:

filename: logo.png
media-type: image/png
value: 00000000

Note: For the logo, use rlink with a relative path or embed the logo as base64.