

Attachments

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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.

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