

3. System Information

3 System Information

Table 3.1 provides a summary of the key attributes of the CSO.

Table 3.1 System Information

System Information	
CSP Name:	<Insert CSP Name> <Insert CSP Abbreviation, as appropriate>
CSO Name:	<Insert CSO Name> <Insert CSO Abbreviation, as appropriate>
FedRAMP Package ID:	<Insert FedRAMP Package ID>
Service Model:	<Choose one: IaaS, PaaS, SaaS, IaaS/PaaS, IaaS/PaaS/SaaS, IaaS/SaaS, PaaS/SaaS, LI-SaaS>
Digital Identity Level (DIL) Determination (SSP Appendix E):	<Choose one: IAL3/FAL3/AAL3, IAL2/FAL2/AAL2, IAL1/FAL1/AAL1>
FIPS PUB 199 Level (SSP Appendix K):	<Choose one: High, Moderate, Low, LI-SaaS>
Fully Operational as of:	<Insert MM/DD/YYYY>
Deployment Model:	<Choose one: Public Cloud, Government-Only Cloud, Hybrid Cloud>
Authorization Path:	<Choose one: Joint Authorization Board Provisional Authorization, Agency Authorization>
General System Description:	<Insert CSO Name> is delivered as [a/an] [insert based on the Service Model above] offering using a multi-tenant [insert based on the Deployment Model above] cloud computing environment. It is available to [insert scope of customers in accordance with instructions above (for example, the public, federal, state, local, and tribal governments, as well as research institutions, federal contractors, government contractors etc.)].

System Information

CSP Name

The cloud service provider (CSP) name and abbreviation are represented in the SSP metadata.

- A `roles` entry must exist with `id = cloud-service-provider`
- A `parties` entry must exist with the CSP's `name` and `short-name`.
- A `responsible-parties` entry must exist to link the `parties` UUID value to the `cloud-service-provider` role.

OSCAL Representation

```
system-security-plan:
  uuid: 11111111-2222-4000-8000-000000000000
  metadata:
    roles:
      - id: cloud-service-provider
```

```
title: Cloud Service Provider
```

```
short-name: CSP
```

```
parties:
```

```
- uuid: 11111111-2222-4000-8000-004000000001
```

```
type: organization
```

```
name: Cloud Service Provider (CSP) Name
```

```
short-name: CSP Acronym/Short Name
```

```
responsible-parties:
```

```
- role-id: cloud-service-provider
```

```
party-uuids:
```

```
- 11111111-2222-4000-8000-004000000001
```

CSO Name

The CSO name and abbreviation are represented in `system-characteristics`.

- The `system-name` field contains the CSO Name
- The `system-name-short` field contains the CSO abbreviation.

OSCAL Representation

```
system-security-plan:
```

```
system-characteristics:
```

```
system-name: System's Full Name
```

```
system-name-short: System's Short Name or Acronym
```

```
system-ids:
```

```
- identifier-type: http://fedramp.gov/ns/oscal
```

```
id: F00000000
```

FedRAMP Package ID

The FedRAMP Package ID is represented in `system-characteristics`.

- A `system-ids` entry must exist that includes:
 - `identifier-type` set to `http://fedramp.gov/ns/oscal`
 - `id` set to the FedRAMP Package ID

OSCAL Representation

```
system-security-plan:
  system-characteristics:
    system-ids:
      - identifier-type: http://fedramp.gov/ns/oscal
        id: F000000000
```

FedRAMP Allowed Value

Required Identifier Type:

- identifier-type="https://fedramp.gov"

Service Model

The Service Model is represented in `system-characteristics`.

- A `system-characteristics` property (`prop`) entry must exist that includes:
 - A `name` set to `cloud-service-model`
 - A `value` set to one of the allowed service model values below.
 - If the `value` is set to `other`, `remarks` is used to explain.

If more than one service model type is applicable (IaaS and PaaS; IaaS and PaaS and SaaS; PaaS and SaaS), use one "cloud-service-model" prop for *each* applicable cloud service model.

OSCAL Representation

```
system-security-plan:
  system-characteristics:
    props:
      - name: cloud-service-model
        value: iaas
      - name: cloud-service-model
        value: paas
      - name: cloud-service-model
```

value: other

remarks: Remarks are required if service model is "other". Optional otherwise.

OSCAL Allowed Values

Valid `cloud-service-model` property values:

- `saas`
- `paas`
- `iaas`
- `other`

Digital Identity Level (DIL) Determination

See [Appendix E](#) for appropriate OSCAL representation.

FIPS PUB 199 Level

See [Appendix K](#) for appropriate OSCAL representation.

Fully Operational as of

The fully operational date is represented in `system-characteristics`.

- A `system-characteristics` property (`prop`) entry must exist that includes:
 - A `name` set to `fully-operational-date`
 - A `ns` set to `http://fedramp.gov/ns/oscal`
 - A `value` set to the operational date.

Although the `value` field is a string, the date should be treated as an OSCAL [date-time-with-timezone](#) data type.

OSCAL Representation

```
system-security-plan:
```

```
  system-characteristics:
```

```
props:
- name: fully-operational-date
  ns: http://fedramp.gov/ns/oscal
  value: '2023-12-31T00:00:00Z'
```

Deployment Model

The Deployment Model is represented in `system-characteristics`.

- A `system-characteristics` property (`prop`) entry must exist that includes:
 - A `name` set to `deployment-model`
 - A `value` set to one of the allowed deployment model values below.
 - If the `value` is set to `other`, `remarks` is used to explain.
- Only one `cloud-deployment-model` property is permitted.

If the deployment model is `hybrid` or `other`, the remarks field is required. Otherwise, it is optional.

OSCAL Representation

```
system-security-plan:
  system-characteristics:
    props:
      - name: cloud-deployment-model
        value: hybrid-cloud
        remarks: Remarks are required if deployment model is "hybrid-cloud" or "other". Optional
        otherwise.
```

FedRAMP Accepted Values Valid `cloud-deployment-model` property values:

- `public-cloud`
- `private-cloud`
- `government-only-cloud`
- `hybrid-cloud`
- `other`

Although core OSCAL also allows `community-cloud`, FedRAMP authorizations do not include community clouds.

Authorization Path

This is an obsolete concept and does not need to be represented in OSCAL.

General System Description

The General System Description is represented in `system-characteristics`.

- The `description` field contains the general system description.
- This is a [markup-multiline](#) field.

OSCAL Representation

```
system-security-plan:
  system-characteristics:
    description: '\[Insert CSO Name\] is delivered as \[a/an\] \[insert based on the Service
Model above\] offering using a multi-tenant \[insert based on the Deployment Model above\]
cloud computing environment. It is available to \[Insert scope of customers in accordance with
instructions above (for example, the public, federal, state, local, and tribal governments, as
well as research institutions, federal contractors, government contractors etc.)\].'
```

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