

# 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
```

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## 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
```

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## 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: F00000000
```

## 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.

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## Authorization Path

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

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## 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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