

# Clamp Rest API

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# Chapter 1. Overview

## 1.1. Version information

*Version* : 5.1.0-SNAPSHOT

## 1.2. URI scheme

*Host* : localhost:37033

*BasePath* : /restservices/clds/

*Schemes* : HTTP

# Chapter 2. Paths

## 2.1. GET /v1/healthcheck

### 2.1.1. Responses

| HTTP Code | Description | Schema                          |
|-----------|-------------|---------------------------------|
| 200       | Output type | <a href="#">CldsHealthCheck</a> |

### 2.1.2. Produces

- `application/json`

## 2.2. GET /v1/user/getUser

### 2.2.1. Responses

| HTTP Code | Schema     |
|-----------|------------|
| 200       | No Content |

### 2.2.2. Produces

- `text/plain`

## 2.3. GET /v2/clampInformation

### 2.3.1. Responses

| HTTP Code | Description | Schema                           |
|-----------|-------------|----------------------------------|
| 200       | Output type | <a href="#">ClampInformation</a> |

### 2.3.2. Produces

- `application/json`

## 2.4. GET /v2/dictionary



### 2.4.1. Responses

| HTTP Code | Description | Schema                     |
|-----------|-------------|----------------------------|
| 200       | Output type | <a href="#">Dictionary</a> |

### 2.4.2. Produces

- [application/json](#)

## 2.5. PUT /v2/dictionary

### 2.5.1. Parameters

| Type | Name                           | Schema                     |
|------|--------------------------------|----------------------------|
| Body | <b>body</b><br><i>required</i> | <a href="#">Dictionary</a> |

### 2.5.2. Responses

| HTTP Code | Description | Schema                     |
|-----------|-------------|----------------------------|
| 200       | Output type | <a href="#">Dictionary</a> |

### 2.5.3. Consumes

- [application/json](#)

### 2.5.4. Produces

- [application/json](#)

## 2.6. GET /v2/dictionary/secondary/names

### 2.6.1. Responses

| HTTP Code | Description | Schema           |
|-----------|-------------|------------------|
| 200       | Output type | < string > array |

## 2.6.2. Produces

- `application/json`

## 2.7. GET /v2/dictionary/{dictionaryName}

### 2.7.1. Parameters

| Type | Name                                     | Schema |
|------|--|--------|
| Path | <b>dictionaryName</b><br><i>required</i> | string |

### 2.7.2. Responses

| HTTP Code | Description | Schema                     |
|-----------|-------------|----------------------------|
| 200       | Output type | <a href="#">Dictionary</a> |

### 2.7.3. Produces

- `application/json`

## 2.8. PUT /v2/dictionary/{name}

### 2.8.1. Parameters

| Type | Name                           | Schema                     |
|------|--------------------------------|----------------------------|
| Path | <b>name</b><br><i>required</i> | string                     |
| Body | <b>body</b><br><i>required</i> | <a href="#">Dictionary</a> |

### 2.8.2. Responses

| HTTP Code | Description | Schema                     |
|-----------|-------------|----------------------------|
| 200       | Output type | <a href="#">Dictionary</a> |

### 2.8.3. Consumes

- `application/json`

## 2.8.4. Produces

- `application/json`

## 2.9. DELETE /v2/dictionary/{name}

### 2.9.1. Parameters

| Type | Name                           | Schema |
|------|--------------------------------|--------|
| Path | <b>name</b><br><i>required</i> | string |

### 2.9.2. Responses

| HTTP Code | Schema     |
|-----------|------------|
| 200       | No Content |

### 2.9.3. Produces

- `application/json`

## 2.10. DELETE /v2/dictionary/{name}/elements/{shortName}

### 2.10.1. Parameters

| Type | Name                                | Schema |
|------|-------------------------------------|--------|
| Path | <b>name</b><br><i>required</i>      | string |
| Path | <b>shortName</b><br><i>required</i> | string |

### 2.10.2. Responses

| HTTP Code | Schema     |
|-----------|------------|
| 200       | No Content |

### 2.10.3. Produces

- `application/json`

## 2.11. PUT

**/v2/loop/addOperationaPolicy/{loopName}/policyModel/{policyType}/{policyVersion}**

### 2.11.1. Parameters

| Type | Name                                    | Schema |
|------|---|--------|
| Path | <b>loopName</b><br><i>required</i>      | string |
| Path | <b>policyType</b><br><i>required</i>    | string |
| Path | <b>policyVersion</b><br><i>required</i> | string |

### 2.11.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.11.3. Produces

- [application/json](#)

## 2.12. POST

**/v2/loop/create/{loopName}?templateName={templateName}**

### 2.12.1. Parameters

| Type | Name   | Schema |
|------|--|--------|
| Path | <b>loopName}?templateName={templateName</b><br><i>required</i> | string |

### 2.12.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.12.3. Consumes

- `application/json`

### 2.12.4. Produces

- `application/json`

## 2.13. PUT /v2/loop/delete/{loopName}

### 2.13.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.13.2. Responses

| HTTP Code | Schema     |
|-----------|------------|
| 200       | No Content |

## 2.14. PUT /v2/loop/deploy/{loopName}

### 2.14.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.14.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.14.3. Produces

- `application/json`

## 2.15. GET /v2/loop/getAllNames

### 2.15.1. Responses

| HTTP Code | Description | Schema           |
|-----------|-------------|------------------|
| 200       | Output type | < string > array |

### 2.15.2. Produces

- `application/json`

## 2.16. GET /v2/loop/getstatus/{loopName}

### 2.16.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.16.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.16.3. Produces

- `application/json`

## 2.17. PUT

**/v2/loop/refreshMicroServicePolicyJsonSchema/{loopName}/{microServicePolicyName}**

### 2.17.1. Parameters

| Type | Name   | Schema |
|------|--|--------|
| Path | <b>loopName</b><br><i>required</i>               | string |
| Path | <b>microServicePolicyName</b><br><i>required</i> | string |

### 2.17.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.17.3. Produces

- `application/json`

## 2.18. PUT

**`/v2/loop/refreshOperationalPolicyJsonSchema/{loopName}/{operationalPolicyName}`**

### 2.18.1. Parameters

| Type | Name  | Schema |
|------|---|--------|
| Path | <b>loopName</b><br><i>required</i>              | string |
| Path | <b>operationalPolicyName</b><br><i>required</i> | string |

### 2.18.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.18.3. Produces

- `application/json`

## 2.19. PUT

### /v2/loop/removeOperationalPolicy/{loopName}/policyModel/{policyType}/{policyVersion}/{policyName}

#### 2.19.1. Parameters

| Type | Name                                    | Schema |
|------|---|--------|
| Path | <b>loopName</b><br><i>required</i>      | string |
| Path | <b>policyName</b><br><i>required</i>    | string |
| Path | <b>policyType</b><br><i>required</i>    | string |
| Path | <b>policyVersion</b><br><i>required</i> | string |

#### 2.19.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

#### 2.19.3. Produces

- [application/json](#)

## 2.20. PUT /v2/loop/restart/{loopName}

#### 2.20.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

#### 2.20.2. Responses



| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.20.3. Produces

- [application/json](#)

## 2.21. PUT /v2/loop/stop/{loopName}

### 2.21.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.21.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.21.3. Produces

- [application/json](#)

## 2.22. PUT /v2/loop/submit/{loopName}

### 2.22.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.22.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.22.3. Produces

- `application/json`

## 2.23. GET /v2/loop/svgRepresentation/{loopName}

### 2.23.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.23.2. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200       | Output type | string |

### 2.23.3. Produces

- `application/xml`

## 2.24. PUT /v2/loop/undeploy/{loopName}

### 2.24.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

### 2.24.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.24.3. Produces

- `application/json`

## 2.25. POST /v2/loop/updateGlobalProperties/{loopName}

### 2.25.1. Parameters

| Type | Name                               | Schema     |
|------|------------------------------------|------------|
| Path | <b>loopName</b><br><i>required</i> | string     |
| Body | <b>body</b><br><i>required</i>     | JsonObject |

### 2.25.2. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200       | Output type | Loop   |

### 2.25.3. Consumes

- `application/json`

### 2.25.4. Produces

- `application/json`

## 2.26. POST

## /v2/loop/updateMicroservicePolicy/{loopName}

### 2.26.1. Parameters

| Type | Name                               | Schema             |
|------|------------------------------------|--------------------|
| Path | <b>loopName</b><br><i>required</i> | string             |
| Body | <b>body</b><br><i>required</i>     | MicroServicePolicy |

### 2.26.2. Responses

| HTTP Code | Description | Schema             |
|-----------|-------------|--------------------|
| 200       | Output type | MicroServicePolicy |

### 2.26.3. Consumes

- `application/json`

### 2.26.4. Produces

- `application/json`

## 2.27. POST

### `/v2/loop/updateOperationalPolicies/{loopName}`

#### 2.27.1. Parameters

| Type | Name                               | Schema                    |
|------|------------------------------------|---------------------------|
| Path | <b>loopName</b><br><i>required</i> | string                    |
| Body | <b>body</b><br><i>required</i>     | <a href="#">JsonArray</a> |

#### 2.27.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

### 2.27.3. Consumes

- `application/json`

### 2.27.4. Produces

- `application/json`

## 2.28. GET `/v2/loop/{loopName}`

#### 2.28.1. Parameters

| Type | Name                               | Schema |
|------|------------------------------------|--------|
| Path | <b>loopName</b><br><i>required</i> | string |

## 2.28.2. Responses

| HTTP Code | Description | Schema               |
|-----------|-------------|----------------------|
| 200       | Output type | <a href="#">Loop</a> |

## 2.28.3. Produces

- [application/json](#)

## 2.29. POST /v2/policyToscaModels

### 2.29.1. Parameters

| Type | Name                           | Schema |
|------|--------------------------------|--------|
| Body | <b>body</b><br><i>required</i> | string |

### 2.29.2. Responses

| HTTP Code | Description | Schema                      |
|-----------|-------------|-----------------------------|
| 200       | Output type | <a href="#">PolicyModel</a> |

### 2.29.3. Consumes

- [plain/text](#)

### 2.29.4. Produces

- [application/json](#)

## 2.30. GET /v2/policyToscaModels

### 2.30.1. Responses

| HTTP Code | Description | Schema                      |
|-----------|-------------|-----------------------------|
| 200       | Output type | <a href="#">PolicyModel</a> |

## 2.30.2. Produces

- `application/json`

## 2.31. GET

**`/v2/policyToscaModels/yaml/{policyModelType}/{policyModelVersion}`**

### 2.31.1. Parameters

| Type | Name   | Schema |
|------|--|--------|
| Path | <b>policyModelType</b><br><i>required</i>    | string |
| Path | <b>policyModelVersion</b><br><i>required</i> | string |

### 2.31.2. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200       | Output type | string |

## 2.31.3. Produces

- `application/json`

## 2.32. GET

**`/v2/policyToscaModels/{policyModelType}/{policyModelVersion}`**

### 2.32.1. Parameters

| Type | Name   | Schema |
|------|--|--------|
| Path | <b>policyModelType</b><br><i>required</i>    | string |
| Path | <b>policyModelVersion</b><br><i>required</i> | string |

## 2.32.2. Responses

| HTTP Code | Description | Schema                      |
|-----------|-------------|-----------------------------|
| 200       | Output type | <a href="#">PolicyModel</a> |

## 2.32.3. Produces

- [application/json](#)

## 2.33. PUT

### /v2/policyToscaModels/{policyModelType}/{policyModelVersion}

#### 2.33.1. Parameters

| Type | Name   | Schema |
|------|--|--------|
| Path | <b>policyModelType</b><br><i>required</i>    | string |
| Path | <b>policyModelVersion</b><br><i>required</i> | string |
| Body | <b>body</b><br><i>required</i>               | string |

#### 2.33.2. Responses

| HTTP Code | Description | Schema                      |
|-----------|-------------|-----------------------------|
| 200       | Output type | <a href="#">PolicyModel</a> |

#### 2.33.3. Consumes

- [plain/text](#)

#### 2.33.4. Produces

- [application/json](#)

## 2.34. GET /v2/templates

### 2.34.1. Responses

| HTTP Code | Description | Schema                       |
|-----------|-------------|------------------------------|
| 200       | Output type | <a href="#">LoopTemplate</a> |

### 2.34.2. Produces

- `application/json`

## 2.35. GET /v2/templates/names

### 2.35.1. Responses

| HTTP Code | Description | Schema           |
|-----------|-------------|------------------|
| 200       | Output type | < string > array |

### 2.35.2. Produces

- `application/json`

## 2.36. GET /v2/templates/{templateName}

### 2.36.1. Parameters

| Type | Name                                   | Schema |
|------|--|--------|
| Path | <b>templateName</b><br><i>required</i> | string |

### 2.36.2. Responses

| HTTP Code | Description | Schema                       |
|-----------|-------------|------------------------------|
| 200       | Output type | <a href="#">LoopTemplate</a> |

### 2.36.3. Produces

- `application/json`



## 2.37. GET

### /v2/templates/{templateName}/svgRepresentation

#### 2.37.1. Parameters

| Type | Name                                   | Schema |
|------|--|--------|
| Path | <b>templateName</b><br><i>required</i> | string |

#### 2.37.2. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200       | Output type | string |

#### 2.37.3. Produces

- `application/xml`

# Chapter 3. Definitions

## 3.1. ClampInformation

| Name                                     | Schema           |
|--|------------------|
| <b>allPermissions</b><br><i>optional</i> | < string > array |
| <b>cldsVersion</b><br><i>optional</i>    | string           |
| <b>userName</b><br><i>optional</i>       | string           |

## 3.2. CldsHealthCheck

| Name   | Schema |
|--|--------|
| <b>description</b><br><i>optional</i>          | string |
| <b>healthCheckComponent</b><br><i>optional</i> | string |
| <b>healthCheckStatus</b><br><i>optional</i>    | string |

## 3.3. Dictionary

| Name  | Schema                                      |
|---|---|
| <b>createdBy</b><br><i>optional</i>             | string                                      |
| <b>createdDate</b><br><i>optional</i>           | integer (int64)                             |
| <b>dictionaryElements</b><br><i>optional</i>    | < <a href="#">DictionaryElement</a> > array |
| <b>name</b><br><i>optional</i>                  | string                                      |
| <b>secondLevelDictionary</b><br><i>optional</i> | integer (int32)                             |

| Name  | Schema          |
|---|-----------------|
| <b>subDictionaryType</b><br><i>optional</i> | string          |
| <b>updatedBy</b><br><i>optional</i>         | string          |
| <b>updatedAt</b><br><i>optional</i>         | integer (int64) |

### 3.4. DictionaryElement

| Name   | Schema                               |
|--|--------------------------------------|
| <b>createdBy</b><br><i>optional</i>          | string                               |
| <b>createdAt</b><br><i>optional</i>          | integer (int64)                      |
| <b>description</b><br><i>optional</i>        | string                               |
| <b>name</b><br><i>optional</i>               | string                               |
| <b>shortName</b><br><i>optional</i>          | string                               |
| <b>subDictionary</b><br><i>optional</i>      | string                               |
| <b>type</b><br><i>optional</i>               | string                               |
| <b>updatedBy</b><br><i>optional</i>          | string                               |
| <b>updatedAt</b><br><i>optional</i>          | integer (int64)                      |
| <b>usedByDictionaries</b><br><i>optional</i> | < <a href="#">Dictionary</a> > array |

### 3.5. ExternalComponent

| Name                                    | Schema |
|---|--------|
| <b>componentName</b><br><i>optional</i> | string |

| Name                            | Schema                                 |
|---------------------------------|--|
| <b>state</b><br><i>optional</i> | <a href="#">ExternalComponentState</a> |

### 3.6. ExternalComponentState

| Name                                  | Schema          |
|---------------------------------------|-----------------|
| <b>description</b><br><i>optional</i> | string          |
| <b>level</b><br><i>optional</i>       | integer (int32) |
| <b>stateName</b><br><i>optional</i>   | string          |

### 3.7. JsonArray

| Name                                   | Schema                    |
|--|---------------------------|
| <b>asBigDecimal</b><br><i>optional</i> | number                    |
| <b>asBigInteger</b><br><i>optional</i> | integer                   |
| <b>asBoolean</b><br><i>optional</i>    | boolean                   |
| <b>asByte</b><br><i>optional</i>       | string (byte)             |
| <b>asCharacter</b><br><i>optional</i>  | string                    |
| <b>asDouble</b><br><i>optional</i>     | number (double)           |
| <b>asFloat</b><br><i>optional</i>      | number (float)            |
| <b>asInt</b><br><i>optional</i>        | integer (int32)           |
| <b>asJSONArray</b><br><i>optional</i>  | <a href="#">JsonArray</a> |
| <b>asJsonNull</b><br><i>optional</i>   | <a href="#">JsonNull</a>  |

| Name                                      | Schema          |
|---|-----------------|
| <b>asJsonObject</b><br><i>optional</i>    | JsonObject      |
| <b>asJsonPrimitive</b><br><i>optional</i> | JsonPrimitive   |
| <b>asLong</b><br><i>optional</i>          | integer (int64) |
| <b>asNumber</b><br><i>optional</i>        | Number          |
| <b>asShort</b><br><i>optional</i>         | integer (int32) |
| <b>asString</b><br><i>optional</i>        | string          |
| <b>jsonArray</b><br><i>optional</i>       | boolean         |
| <b>jsonNull</b><br><i>optional</i>        | boolean         |
| <b>jsonObject</b><br><i>optional</i>      | boolean         |
| <b>jsonPrimitive</b><br><i>optional</i>   | boolean         |

### 3.8. JsonNull

| Name                                   | Schema          |
|--|-----------------|
| <b>asBigDecimal</b><br><i>optional</i> | number          |
| <b>asBigInteger</b><br><i>optional</i> | integer         |
| <b>asBoolean</b><br><i>optional</i>    | boolean         |
| <b>asByte</b><br><i>optional</i>       | string (byte)   |
| <b>asCharacter</b><br><i>optional</i>  | string          |
| <b>asDouble</b><br><i>optional</i>     | number (double) |

| Name                                      | Schema                        |
|---|-------------------------------|
| <b>asFloat</b><br><i>optional</i>         | number (float)                |
| <b>asInt</b><br><i>optional</i>           | integer (int32)               |
| <b>asJSONArray</b><br><i>optional</i>     | <a href="#">JSONArray</a>     |
| <b>asJsonNull</b><br><i>optional</i>      | <a href="#">JsonNull</a>      |
| <b>asJsonObject</b><br><i>optional</i>    | <a href="#">JsonObject</a>    |
| <b>asJsonPrimitive</b><br><i>optional</i> | <a href="#">JsonPrimitive</a> |
| <b>asLong</b><br><i>optional</i>          | integer (int64)               |
| <b>asNumber</b><br><i>optional</i>        | <a href="#">Number</a>        |
| <b>asShort</b><br><i>optional</i>         | integer (int32)               |
| <b>asString</b><br><i>optional</i>        | string                        |
| <b>jsonArray</b><br><i>optional</i>       | boolean                       |
| <b>jsonNull</b><br><i>optional</i>        | boolean                       |
| <b>jsonObject</b><br><i>optional</i>      | boolean                       |
| <b>jsonPrimitive</b><br><i>optional</i>   | boolean                       |

### 3.9. JsonObject

| Name                                   | Schema  |
|--|---------|
| <b>asBigDecimal</b><br><i>optional</i> | number  |
| <b>asBigInteger</b><br><i>optional</i> | integer |

| <b>Name</b>                               | <b>Schema</b>                 |
|---|-------------------------------|
| <b>asBoolean</b><br><i>optional</i>       | boolean                       |
| <b>asByte</b><br><i>optional</i>          | string (byte)                 |
| <b>asCharacter</b><br><i>optional</i>     | string                        |
| <b>asDouble</b><br><i>optional</i>        | number (double)               |
| <b>asFloat</b><br><i>optional</i>         | number (float)                |
| <b>asInt</b><br><i>optional</i>           | integer (int32)               |
| <b>asJSONArray</b><br><i>optional</i>     | <a href="#">JSONArray</a>     |
| <b>asJsonNull</b><br><i>optional</i>      | <a href="#">JsonNull</a>      |
| <b>asJsonObject</b><br><i>optional</i>    | <a href="#">JsonObject</a>    |
| <b>asJsonPrimitive</b><br><i>optional</i> | <a href="#">JsonPrimitive</a> |
| <b>asLong</b><br><i>optional</i>          | integer (int64)               |
| <b>asNumber</b><br><i>optional</i>        | <a href="#">Number</a>        |
| <b>asShort</b><br><i>optional</i>         | integer (int32)               |
| <b>asString</b><br><i>optional</i>        | string                        |
| <b>jsonArray</b><br><i>optional</i>       | boolean                       |
| <b>jsonNull</b><br><i>optional</i>        | boolean                       |
| <b>jsonObject</b><br><i>optional</i>      | boolean                       |
| <b>jsonPrimitive</b><br><i>optional</i>   | boolean                       |

## 3.10. JsonPrimitive

| Name                                      | Schema                        |
|---|-------------------------------|
| <b>asBigDecimal</b><br><i>optional</i>    | number                        |
| <b>asBigInteger</b><br><i>optional</i>    | integer                       |
| <b>asBoolean</b><br><i>optional</i>       | boolean                       |
| <b>asByte</b><br><i>optional</i>          | string (byte)                 |
| <b>asCharacter</b><br><i>optional</i>     | string                        |
| <b>asDouble</b><br><i>optional</i>        | number (double)               |
| <b>asFloat</b><br><i>optional</i>         | number (float)                |
| <b>asInt</b><br><i>optional</i>           | integer (int32)               |
| <b>asJSONArray</b><br><i>optional</i>     | <a href="#">JSONArray</a>     |
| <b>asJsonNull</b><br><i>optional</i>      | <a href="#">JsonNull</a>      |
| <b>asJsonObject</b><br><i>optional</i>    | <a href="#">JsonObject</a>    |
| <b>asJsonPrimitive</b><br><i>optional</i> | <a href="#">JsonPrimitive</a> |
| <b>asLong</b><br><i>optional</i>          | integer (int64)               |
| <b>asNumber</b><br><i>optional</i>        | <a href="#">Number</a>        |
| <b>asShort</b><br><i>optional</i>         | integer (int32)               |
| <b>asString</b><br><i>optional</i>        | string                        |
| <b>boolean</b><br><i>optional</i>         | boolean                       |



| Name                                    | Schema  |
|---|---------|
| <b>jsonArray</b><br><i>optional</i>     | boolean |
| <b>jsonNull</b><br><i>optional</i>      | boolean |
| <b>jsonObject</b><br><i>optional</i>    | boolean |
| <b>jsonPrimitive</b><br><i>optional</i> | boolean |
| <b>number</b><br><i>optional</i>        | boolean |
| <b>string</b><br><i>optional</i>        | boolean |

### 3.11. Loop

| Name  | Schema  |
|---|---|
| <b>components</b><br><i>optional</i>              | < string, <a href="#">ExternalComponent</a> > map                       |
| <b>createdBy</b><br><i>optional</i>               | string  |
| <b>createdDate</b><br><i>optional</i>             | integer (int64)   |
| <b>dcaeDeploymentId</b><br><i>optional</i>        | string  |
| <b>dcaeDeploymentStatusUrl</b><br><i>optional</i> | string  |
| <b>globalPropertiesJson</b><br><i>optional</i>    | <a href="#">JsonObject</a>  |
| <b>lastComputedState</b><br><i>optional</i>       | enum (DESIGN, SUBMITTED, DEPLOYED, RUNNING, STOPPED, IN_ERROR, WAITING) |
| <b>loopLogs</b><br><i>optional</i>                | < <a href="#">LoopLog</a> > array                                       |
| <b>loopTemplate</b><br><i>optional</i>            | <a href="#">LoopTemplate</a>  |
| <b>microServicePolicies</b><br><i>optional</i>    | < <a href="#">MicroServicePolicy</a> > array                            |

| Name  | Schema                                      |
|---|---|
| <b>modelService</b><br><i>optional</i>        | <a href="#">Service</a>                     |
| <b>name</b><br><i>optional</i>                | string                                      |
| <b>operationalPolicies</b><br><i>optional</i> | < <a href="#">OperationalPolicy</a> > array |
| <b>svgRepresentation</b><br><i>optional</i>   | string                                      |
| <b>updatedBy</b><br><i>optional</i>           | string                                      |
| <b>updatedAt</b><br><i>optional</i>           | integer (int64)                             |

### 3.12. LoopElementModel

| Name                                      | Schema                                |
|---|---------------------------------------|
| <b>blueprint</b><br><i>optional</i>       | string                                |
| <b>createdBy</b><br><i>optional</i>       | string                                |
| <b>createdAt</b><br><i>optional</i>       | integer (int64)                       |
| <b>dcaeBlueprintId</b><br><i>optional</i> | string                                |
| <b>loopElementType</b><br><i>optional</i> | string                                |
| <b>name</b><br><i>optional</i>            | string                                |
| <b>policyModels</b><br><i>optional</i>    | < <a href="#">PolicyModel</a> > array |
| <b>shortName</b><br><i>optional</i>       | string                                |
| <b>updatedBy</b><br><i>optional</i>       | string                                |
| <b>updatedAt</b><br><i>optional</i>       | integer (int64)                       |

| Name  | Schema   |
|---|--|
| <b>usedByLoopTemplates</b><br><i>optional</i> | < <a href="#">LoopTemplateLoopElementModel</a> > array |

### 3.13. LoopLog

| Name                                   | Schema                      |
|--|-----------------------------|
| <b>id</b><br><i>optional</i>           | integer (int64)             |
| <b>logComponent</b><br><i>optional</i> | string                      |
| <b>logInstant</b><br><i>optional</i>   | integer (int64)             |
| <b>logType</b><br><i>optional</i>      | enum (INFO, WARNING, ERROR) |
| <b>loop</b><br><i>optional</i>         | <a href="#">Loop</a>        |
| <b>message</b><br><i>optional</i>      | string                      |

### 3.14. LoopTemplate

| Name  | Schema   |
|---|--|
| <b>allowedLoopType</b><br><i>optional</i>         | enum (OPEN, CLOSED, HYBRID)                            |
| <b>blueprint</b><br><i>optional</i>               | string   |
| <b>createdBy</b><br><i>optional</i>               | string   |
| <b>createdDate</b><br><i>optional</i>             | integer (int64)  |
| <b>dcaeBlueprintId</b><br><i>optional</i>         | string   |
| <b>loopElementModelsUsed</b><br><i>optional</i>   | < <a href="#">LoopTemplateLoopElementModel</a> > array |
| <b>maximumInstancesAllowed</b><br><i>optional</i> | integer (int32)  |

| Name  | Schema                  |
|---|-------------------------|
| <b>modelService</b><br><i>optional</i>      | <a href="#">Service</a> |
| <b>name</b><br><i>optional</i>              | string                  |
| <b>svgRepresentation</b><br><i>optional</i> | string                  |
| <b>uniqueBlueprint</b><br><i>optional</i>   | boolean                 |
| <b>updatedBy</b><br><i>optional</i>         | string                  |
| <b>updatedAt</b><br><i>optional</i>         | integer (int64)         |

### 3.15. LoopTemplateLoopElementModel

| Name                                       | Schema                           |
|--|----------------------------------|
| <b>flowOrder</b><br><i>optional</i>        | integer (int32)                  |
| <b>loopElementModel</b><br><i>optional</i> | <a href="#">LoopElementModel</a> |
| <b>loopTemplate</b><br><i>optional</i>     | <a href="#">LoopTemplate</a>     |

### 3.16. MicroServicePolicy

| Name   | Schema                     |
|--|----------------------------|
| <b>configurationsJson</b><br><i>optional</i> | <a href="#">JsonObject</a> |
| <b>context</b><br><i>optional</i>            | string                     |
| <b>createdBy</b><br><i>optional</i>          | string                     |
| <b>createdDate</b><br><i>optional</i>        | integer (int64)            |
| <b>dcaeBlueprintId</b><br><i>optional</i>    | string                     |

| Name  | Schema           |
|---|------------------|
| <b>dcaeDeploymentId</b><br><i>optional</i>        | string           |
| <b>dcaeDeploymentStatusUrl</b><br><i>optional</i> | string           |
| <b>deviceTypeScope</b><br><i>optional</i>         | string           |
| <b>jsonRepresentation</b><br><i>optional</i>      | JsonObject       |
| <b>legacy</b><br><i>optional</i>                  | boolean          |
| <b>loopElementModel</b><br><i>optional</i>        | LoopElementModel |
| <b>name</b><br><i>optional</i>                    | string           |
| <b>pdpGroup</b><br><i>optional</i>                | string           |
| <b>pdpSubgroup</b><br><i>optional</i>             | string           |
| <b>policyModel</b><br><i>optional</i>             | PolicyModel      |
| <b>shared</b><br><i>optional</i>                  | boolean          |
| <b>updatedBy</b><br><i>optional</i>               | string           |
| <b>updatedAt</b><br><i>optional</i>               | integer (int64)  |
| <b>usedByLoops</b><br><i>optional</i>             | < Loop > array   |

## 3.17. Number

Type : object

## 3.18. OperationalPolicy

| Name   | Schema           |
|--|------------------|
| <b>configurationsJson</b><br><i>optional</i> | JsonObject       |
| <b>createdBy</b><br><i>optional</i>          | string           |
| <b>createdDate</b><br><i>optional</i>        | integer (int64)  |
| <b>jsonRepresentation</b><br><i>optional</i> | JsonObject       |
| <b>legacy</b><br><i>optional</i>             | boolean          |
| <b>loop</b><br><i>optional</i>               | Loop             |
| <b>loopElementModel</b><br><i>optional</i>   | LoopElementModel |
| <b>name</b><br><i>optional</i>               | string           |
| <b>pdpGroup</b><br><i>optional</i>           | string           |
| <b>pdpSubgroup</b><br><i>optional</i>        | string           |
| <b>policyModel</b><br><i>optional</i>        | PolicyModel      |
| <b>updatedBy</b><br><i>optional</i>          | string           |
| <b>updatedAt</b><br><i>optional</i>          | integer (int64)  |

### 3.19. PolicyModel

| Name                                    | Schema          |
|---|-----------------|
| <b>createdBy</b><br><i>optional</i>     | string          |
| <b>createdDate</b><br><i>optional</i>   | integer (int64) |
| <b>policyAcronym</b><br><i>optional</i> | string          |

| Name  | Schema                     |
|---|----------------------------|
| <b>policyModelTosca</b><br><i>optional</i>    | string                     |
| <b>policyModelType</b><br><i>optional</i>     | string                     |
| <b>policyPdpGroup</b><br><i>optional</i>      | JsonObject                 |
| <b>updatedBy</b><br><i>optional</i>           | string                     |
| <b>updatedAt</b><br><i>optional</i>           | integer (int64)            |
| <b>usedByElementModels</b><br><i>optional</i> | < LoopElementModel > array |
| <b>version</b><br><i>optional</i>             | string                     |

## 3.20. Service

| Name                                      | Schema     |
|---|------------|
| <b>name</b><br><i>optional</i>            | string     |
| <b>resourceDetails</b><br><i>optional</i> | JsonObject |
| <b>serviceDetails</b><br><i>optional</i>  | JsonObject |
| <b>serviceUuid</b><br><i>optional</i>     | string     |
| <b>version</b><br><i>optional</i>         | string     |