

# Clamp Rest API

# Table of Contents

- 1. Overview ..... 1
  - 1.1. Version information ..... 1
  - 1.2. URI scheme..... 1
- 2. Paths ..... 2
  - 2.1. GET /v1/healthcheck..... 2
    - 2.1.1. Responses ..... 2
    - 2.1.2. Produces ..... 2
  - 2.2. GET /v1/user/getUser ..... 2
    - 2.2.1. Responses ..... 2
    - 2.2.2. Produces ..... 2
  - 2.3. GET /v2/clampInformation..... 2
    - 2.3.1. Responses ..... 2
    - 2.3.2. Produces ..... 2
  - 2.4. GET /v2/dictionary ..... 2
    - 2.4.1. Responses ..... 3
    - 2.4.2. Produces ..... 3
  - 2.5. PUT /v2/dictionary ..... 3
    - 2.5.1. Parameters ..... 3
    - 2.5.2. Responses ..... 3
    - 2.5.3. Consumes ..... 3
    - 2.5.4. Produces ..... 3
  - 2.6. GET /v2/dictionary/secondary/names ..... 3
    - 2.6.1. Responses ..... 3
    - 2.6.2. Produces ..... 4
  - 2.7. GET /v2/dictionary/{dictionaryName}..... 4
    - 2.7.1. Parameters ..... 4
    - 2.7.2. Responses ..... 4
    - 2.7.3. Produces ..... 4
  - 2.8. PUT /v2/dictionary/{name}..... 4
    - 2.8.1. Parameters ..... 4
    - 2.8.2. Responses ..... 4
    - 2.8.3. Consumes ..... 4
    - 2.8.4. Produces ..... 5
  - 2.9. DELETE /v2/dictionary/{name} ..... 5
    - 2.9.1. Parameters ..... 5
    - 2.9.2. Responses ..... 5

2.9.3. Produces .....	5
2.10. DELETE /v2/dictionary/{name}/elements/{shortName} .....	5
2.10.1. Parameters .....	5
2.10.2. Responses .....	5
2.10.3. Produces .....	5
2.11. PUT /v2/loop/addOperationaPolicy/{loopName}/policyModel/{policyType}/{policyVersion} ....	6
2.11.1. Parameters .....	6
2.11.2. Responses .....	6
2.11.3. Produces .....	6
2.12. POST /v2/loop/create/{loopName}?templateName={templateName} .....	6
2.12.1. Parameters .....	6
2.12.2. Responses .....	6
2.12.3. Consumes .....	7
2.12.4. Produces .....	7
2.13. PUT /v2/loop/delete/{loopName}. .....	7
2.13.1. Parameters .....	7
2.13.2. Responses .....	7
2.14. PUT /v2/loop/deploy/{loopName} .....	7
2.14.1. Parameters .....	7
2.14.2. Responses .....	7
2.14.3. Produces .....	8
2.15. GET /v2/loop/getAllNames .....	8
2.15.1. Responses .....	8
2.15.2. Produces .....	8
2.16. GET /v2/loop/getstatus/{loopName} .....	8
2.16.1. Parameters .....	8
2.16.2. Responses .....	8
2.16.3. Produces .....	8
2.17. PUT /v2/loop/refreshMicroServicePolicyJsonSchema/{loopName}/{microServicePolicyName}..	8
2.17.1. Parameters .....	8
2.17.2. Responses .....	9
2.17.3. Produces .....	9
2.18. PUT /v2/loop/refreshOperationalPolicyJsonSchema/{loopName}/{operationalPolicyName} ....	9
2.18.1. Parameters .....	9
2.18.2. Responses .....	9
2.18.3. Produces .....	9
2.19. PUT .....	10
/v2/loop/removeOperationaPolicy/{loopName}/policyModel/{policyType}/{policyVersion}/{policyNa	

me}

2.19.1. Parameters . . . . .	10
2.19.2. Responses . . . . .	10
2.19.3. Produces . . . . .	10
2.20. PUT /v2/loop/restart/{loopName} . . . . .	10
2.20.1. Parameters . . . . .	10
2.20.2. Responses . . . . .	10
2.20.3. Produces . . . . .	11
2.21. PUT /v2/loop/stop/{loopName} . . . . .	11
2.21.1. Parameters . . . . .	11
2.21.2. Responses . . . . .	11
2.21.3. Produces . . . . .	11
2.22. PUT /v2/loop/submit/{loopName} . . . . .	11
2.22.1. Parameters . . . . .	11
2.22.2. Responses . . . . .	11
2.22.3. Produces . . . . .	12
2.23. PUT /v2/loop/undeploy/{loopName} . . . . .	12
2.23.1. Parameters . . . . .	12
2.23.2. Responses . . . . .	12
2.23.3. Produces . . . . .	12
2.24. POST /v2/loop/updateGlobalProperties/{loopName} . . . . .	12
2.24.1. Parameters . . . . .	12
2.24.2. Responses . . . . .	12
2.24.3. Consumes . . . . .	12
2.24.4. Produces . . . . .	13
2.25. POST /v2/loop/updateMicroservicePolicy/{loopName} . . . . .	13
2.25.1. Parameters . . . . .	13
2.25.2. Responses . . . . .	13
2.25.3. Consumes . . . . .	13
2.25.4. Produces . . . . .	13
2.26. POST /v2/loop/updateOperationalPolicies/{loopName} . . . . .	13
2.26.1. Parameters . . . . .	13
2.26.2. Responses . . . . .	14
2.26.3. Consumes . . . . .	14
2.26.4. Produces . . . . .	14
2.27. GET /v2/loop/{loopName} . . . . .	14
2.27.1. Parameters . . . . .	14
2.27.2. Responses . . . . .	14

2.27.3. Produces .....	14
2.28. POST /v2/policyToscaModels .....	14
2.28.1. Parameters .....	14
2.28.2. Responses .....	15
2.28.3. Consumes .....	15
2.28.4. Produces .....	15
2.29. GET /v2/policyToscaModels .....	15
2.29.1. Responses .....	15
2.29.2. Produces .....	15
2.30. GET /v2/policyToscaModels/yaml/{policyModelType}/{policyModelVersion} .....	15
2.30.1. Parameters .....	15
2.30.2. Responses .....	15
2.30.3. Produces .....	16
2.31. GET /v2/policyToscaModels/{policyModelType}/{policyModelVersion} .....	16
2.31.1. Parameters .....	16
2.31.2. Responses .....	16
2.31.3. Produces .....	16
2.32. PUT /v2/policyToscaModels/{policyModelType}/{policyModelVersion} .....	16
2.32.1. Parameters .....	16
2.32.2. Responses .....	17
2.32.3. Consumes .....	17
2.32.4. Produces .....	17
2.33. GET /v2/templates .....	17
2.33.1. Responses .....	17
2.33.2. Produces .....	17
2.34. GET /v2/templates/names .....	17
2.34.1. Responses .....	17
2.34.2. Produces .....	18
2.35. GET /v2/templates/{templateName} .....	18
2.35.1. Parameters .....	18
2.35.2. Responses .....	18
2.35.3. Produces .....	18
3. Definitions .....	19
3.1. ClampInformation .....	19
3.2. CldsHealthCheck .....	19
3.3. Dictionary .....	19
3.4. DictionaryElement .....	20
3.5. ExternalComponent .....	20

3.6. ExternalComponentState .....	21
3.7. JSONArray .....	21
3.8. JsonNull .....	22
3.9. JsonObject .....	23
3.10. JsonPrimitive .....	25
3.11. Loop .....	26
3.12. LoopElementModel .....	27
3.13. LoopLog .....	28
3.14. LoopTemplate .....	28
3.15. LoopTemplateLoopElementModel .....	29
3.16. MicroServicePolicy .....	29
3.17. Number .....	30
3.18. OperationalPolicy .....	30
3.19. PolicyModel .....	31
3.20. Service .....	32

# Chapter 1. Overview

## 1.1. Version information

*Version* : 5.1.0-SNAPSHOT

## 1.2. URI scheme

*Host* : localhost:43065

*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> <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> <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> <i>required</i>	string
Body	<b>body</b> <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> <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> <i>required</i>	string
Path	<b>shortName</b> <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> <i>required</i>	string
Path	<b>policyType</b> <i>required</i>	string
Path	<b>policyVersion</b> <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> <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> <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> <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> <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> <i>required</i>	string
Path	<b>microServicePolicyName</b> <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> <i>required</i>	string
Path	<b>operationalPolicyName</b> <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> <i>required</i>	string
Path	<b>policyName</b> <i>required</i>	string
Path	<b>policyType</b> <i>required</i>	string
Path	<b>policyVersion</b> <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> <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> <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> <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. PUT /v2/loop/undeploy/{loopName}

### 2.23.1. Parameters

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

### 2.23.2. Responses

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

### 2.23.3. Produces

- `application/json`

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

### 2.24.1. Parameters

Type	Name	Schema
Path	<b>loopName</b> <i>required</i>	string
Body	<b>body</b> <i>required</i>	<a href="#">JsonObject</a>

### 2.24.2. Responses

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

### 2.24.3. Consumes

- `application/json`

## 2.24.4. Produces

- `application/json`

## 2.25. POST

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

#### 2.25.1. Parameters

Type	Name	Schema
Path	<b>loopName</b> <i>required</i>	string
Body	<b>body</b> <i>required</i>	<a href="#">MicroServicePolicy</a>

#### 2.25.2. Responses

HTTP Code	Description	Schema
200	Output type	<a href="#">MicroServicePolicy</a>

#### 2.25.3. Consumes

- `application/json`

#### 2.25.4. Produces

- `application/json`

## 2.26. POST

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

#### 2.26.1. Parameters

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

## 2.26.2. Responses

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

## 2.26.3. Consumes

- `application/json`

## 2.26.4. Produces

- `application/json`

# 2.27. GET /v2/loop/{loopName}

## 2.27.1. Parameters

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

## 2.27.2. Responses

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

## 2.27.3. Produces

- `application/json`

# 2.28. POST /v2/policyToscaModels

## 2.28.1. Parameters

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

## 2.28.2. Responses

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

## 2.28.3. Consumes

- `plain/text`

## 2.28.4. Produces

- `application/json`

# 2.29. GET /v2/policyToscaModels

## 2.29.1. Responses

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

## 2.29.2. Produces

- `application/json`

# 2.30. GET

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

## 2.30.1. Parameters

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

## 2.30.2. Responses

HTTP Code	Description	Schema
200	Output type	string

### 2.30.3. Produces

- `application/json`

## 2.31. GET

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

### 2.31.1. Parameters

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

### 2.31.2. Responses

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

### 2.31.3. Produces

- `application/json`

## 2.32. PUT

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

### 2.32.1. Parameters

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

### 2.32.2. Responses

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

### 2.32.3. Consumes

- `plain/text`

### 2.32.4. Produces

- `application/json`

## 2.33. GET /v2/templates

### 2.33.1. Responses

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

### 2.33.2. Produces

- `application/json`

## 2.34. GET /v2/templates/names

### 2.34.1. Responses

HTTP Code	Description	Schema
200	Output type	< string > array

## 2.34.2. Produces

- `application/json`

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

### 2.35.1. Parameters

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

### 2.35.2. Responses

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

### 2.35.3. Produces

- `application/json`



# Chapter 3. Definitions

## 3.1. ClampInformation

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

## 3.2. CldsHealthCheck

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

## 3.3. Dictionary

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

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

### 3.4. DictionaryElement

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

### 3.5. ExternalComponent

Name	Schema
<b>componentName</b> <i>optional</i>	string

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

### 3.6. ExternalComponentState

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

### 3.7. JsonArray

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

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

### 3.8. JsonNull

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

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

### 3.9. JsonObject

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

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

## 3.10. JsonPrimitive

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

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

### 3.11. Loop

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



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

## 3.12. LoopElementModel

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

### 3.13. LoopLog

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

### 3.14. LoopTemplate

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

Name	Schema
<b>uniqueBlueprint</b> <i>optional</i>	boolean
<b>updatedBy</b> <i>optional</i>	string
<b>updatedAt</b> <i>optional</i>	integer (int64)

### 3.15. LoopTemplateLoopElementModel

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

### 3.16. MicroServicePolicy

Name	Schema
<b>configurationsJson</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>context</b> <i>optional</i>	string
<b>createdBy</b> <i>optional</i>	string
<b>createdAt</b> <i>optional</i>	integer (int64)
<b>dcaeBlueprintId</b> <i>optional</i>	string
<b>dcaeDeploymentId</b> <i>optional</i>	string
<b>dcaeDeploymentStatusUrl</b> <i>optional</i>	string
<b>deviceTypeScope</b> <i>optional</i>	string

Name	Schema
<b>jsonRepresentation</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>legacy</b> <i>optional</i>	boolean
<b>loopElementModel</b> <i>optional</i>	<a href="#">LoopElementModel</a>
<b>name</b> <i>optional</i>	string
<b>pdpGroup</b> <i>optional</i>	string
<b>pdpSubgroup</b> <i>optional</i>	string
<b>policyModel</b> <i>optional</i>	<a href="#">PolicyModel</a>
<b>shared</b> <i>optional</i>	boolean
<b>updatedBy</b> <i>optional</i>	string
<b>updatedAt</b> <i>optional</i>	integer (int64)
<b>usedByLoops</b> <i>optional</i>	< <a href="#">Loop</a> > array

## 3.17. Number

Type : object

## 3.18. OperationalPolicy

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

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

### 3.19. PolicyModel

Name	Schema
<b>createdBy</b> <i>optional</i>	string
<b>createdDate</b> <i>optional</i>	integer (int64)
<b>policyAcronym</b> <i>optional</i>	string
<b>policyModelTosca</b> <i>optional</i>	string
<b>policyModelType</b> <i>optional</i>	string
<b>policyPdpGroup</b> <i>optional</i>	JsonObject

Name	Schema
<b>updatedBy</b> <i>optional</i>	string
<b>updatedAt</b> <i>optional</i>	integer (int64)
<b>usedByElementModels</b> <i>optional</i>	< <a href="#">LoopElementModel</a> > array
<b>version</b> <i>optional</i>	string

## 3.20. Service

Name	Schema
<b>name</b> <i>optional</i>	string
<b>resourceDetails</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>serviceDetails</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>serviceUuid</b> <i>optional</i>	string
<b>version</b> <i>optional</i>	string