

## Clamp Rest API

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# Chapter 1. Overview

## 1.1. Version information

*Version* : 5.0.0-SNAPSHOT

## 1.2. URI scheme

*Host* : localhost:33557

*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/dictionary

### 2.3.1. Responses

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

### 2.3.2. Produces

- `application/json`

## 2.4. PUT /v2/dictionary

### 2.4.1. Parameters

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

### 2.4.2. Responses

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

### 2.4.3. Consumes

- [application/json](#)

### 2.4.4. Produces

- [application/json](#)

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

### 2.5.1. Responses

HTTP Code	Description	Schema
200	Output type	< string > array

### 2.5.2. Produces

- [application/json](#)

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

### 2.6.1. Parameters

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



## 2.6.2. Responses

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

## 2.6.3. Produces

- [application/json](#)

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

### 2.7.1. Parameters

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

### 2.7.2. Responses

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

### 2.7.3. Consumes

- [application/json](#)

### 2.7.4. Produces

- [application/json](#)

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

### 2.8.1. Parameters

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

## 2.8.2. Responses

HTTP Code	Schema
200	No Content

## 2.8.3. Produces

- `application/json`

## 2.9. DELETE

### /v2/dictionary/{name}/elements/{shortName}

#### 2.9.1. Parameters

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

#### 2.9.2. Responses

HTTP Code	Schema
200	No Content

#### 2.9.3. Produces

- `application/json`

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

#### 2.10.1. Parameters

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

#### 2.10.2. Responses

HTTP Code	Schema
200	No Content

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

### 2.11.1. Parameters

Type	Name	Schema
Path	<b>loopName</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. GET /v2/loop/getAllNames

### 2.12.1. Responses

HTTP Code	Description	Schema
200	Output type	< string > array

### 2.12.2. Produces

- [application/json](#)

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

### 2.13.1. Parameters

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

### 2.13.2. Responses

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

### 2.13.3. Produces

- [application/json](#)

## 2.14. PUT

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

#### 2.15.1. Parameters

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

### 2.15.2. Responses

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

### 2.15.3. Produces

- [application/json](#)

## 2.16. PUT /v2/loop/stop/{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/submit/{loopName}

### 2.17.1. Parameters

Type	Name	Schema
Path	<b>loopName</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. GET /v2/loop/svgRepresentation/{loopName}

### 2.18.1. Parameters

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

### 2.18.2. Responses

HTTP Code	Description	Schema
200	Output type	string

### 2.18.3. Produces

- `application/xml`

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

### 2.19.1. Parameters

Type	Name	Schema
Path	<b>loopName</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. POST /v2/loop/updateGlobalProperties/{loopName}

### 2.20.1. Parameters

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

### 2.20.2. Responses

HTTP Code	Description	Schema
200	Output type	Loop

### 2.20.3. Consumes

- application/json

### 2.20.4. Produces

- application/json

## 2.21. POST

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

### 2.21.1. Parameters

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

### 2.21.2. Responses

HTTP Code	Description	Schema
200	Output type	MicroServicePolicy

### 2.21.3. Consumes

- `application/json`

### 2.21.4. Produces

- `application/json`

## 2.22. POST

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

#### 2.22.1. Parameters

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

#### 2.22.2. Responses

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

### 2.22.3. Consumes

- `application/json`

### 2.22.4. Produces

- `application/json`

## 2.23. GET /v2/loop/{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. GET /v2/policyToscaModels

### 2.24.1. Responses

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

### 2.24.2. Produces

- [application/json](#)

## 2.25. GET /v2/policyToscaModels/yaml/{policyModelType}

### 2.25.1. Parameters

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

### 2.25.2. Responses

HTTP Code	Description	Schema
200	Output type	string

### 2.25.3. Produces

- [application/json](#)

## 2.26. GET /v2/policyToscaModels/{policyModelType}

### 2.26.1. Parameters

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

### 2.26.2. Responses

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

### 2.26.3. Produces

- [application/json](#)

## 2.27. PUT /v2/policyToscaModels/{policyModelType}

### 2.27.1. Parameters

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

### 2.27.2. Responses

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

### 2.27.3. Consumes

- [plain/text](#)

### 2.27.4. Produces

- [application/json](#)

## 2.28. GET /v2/templates

### 2.28.1. Responses

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

### 2.28.2. Produces

- `application/json`

## 2.29. GET /v2/templates/names

### 2.29.1. Responses

HTTP Code	Description	Schema
200	Output type	< string > array

### 2.29.2. Produces

- `application/json`

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

### 2.30.1. Parameters

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

### 2.30.2. Responses

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

### 2.30.3. Produces

- `application/json`

# Chapter 3. Definitions

## 3.1. CldsHealthCheck

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

## 3.2. 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)
<b>subDictionaryType</b> <i>optional</i>	string
<b>updatedBy</b> <i>optional</i>	string
<b>updatedAt</b> <i>optional</i>	integer (int64)

## 3.3. DictionaryElement

Name	Schema
<b>createdBy</b> <i>optional</i>	string
<b>createdDate</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

### 3.4. ExternalComponent

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

### 3.5. ExternalComponentState

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

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

## 3.6. 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>
<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)

Name	Schema
<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

## 3.7. 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)
<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>

Name	Schema
<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

## 3.8. JsonObject

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)



Name	Schema
<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. JsonPrimitive

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

Name	Schema
<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
<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

Name	Schema
<b>number</b> <i>optional</i>	boolean
<b>string</b> <i>optional</i>	boolean

## 3.10. 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
<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>svgRepresentation</b> <i>optional</i>	string

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

## 3.11. 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

## 3.12. LoopLog

Name	Schema
<b>id</b> <i>optional</i>	integer (int64)

Name	Schema
<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

## 3.13. 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
<b>svgRepresentation</b> <i>optional</i>	string
<b>uniqueBlueprint</b> <i>optional</i>	boolean

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

## 3.14. 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>

## 3.15. 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
<b>jsonRepresentation</b> <i>optional</i>	<a href="#">JsonObject</a>

Name	Schema
<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>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

## 3.16. Number

Type : object

## 3.17. OperationalPolicy

Name	Schema
<b>configurationsJson</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>createdBy</b> <i>optional</i>	string
<b>createdAt</b> <i>optional</i>	integer (int64)
<b>jsonRepresentation</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>loop</b> <i>optional</i>	<a href="#">Loop</a>
<b>loopElementModel</b> <i>optional</i>	<a href="#">LoopElementModel</a>

Name	Schema
<b>name</b> <i>optional</i>	string
<b>pdpGroup</b> <i>optional</i>	string
<b>policyModel</b> <i>optional</i>	<a href="#">PolicyModel</a>
<b>updatedBy</b> <i>optional</i>	string
<b>updatedAt</b> <i>optional</i>	integer (int64)

## 3.18. 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>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

## 3.19. Service



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