

# 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/clds/cldsInfo ..... 2
    - 2.1.1. Responses ..... 2
    - 2.1.2. Produces ..... 2
  - 2.2. GET /v1/healthcheck..... 2
    - 2.2.1. Responses ..... 2
    - 2.2.2. Produces ..... 2
  - 2.3. GET /v1/user/getUser ..... 2
    - 2.3.1. Responses ..... 2
    - 2.3.2. Produces ..... 2
  - 2.4. PUT /v2/loop/delete/{loopName}..... 2
    - 2.4.1. Parameters ..... 3
    - 2.4.2. Responses ..... 3
  - 2.5. PUT /v2/loop/deploy/{loopName} ..... 3
    - 2.5.1. Parameters ..... 3
    - 2.5.2. Responses ..... 3
    - 2.5.3. Produces ..... 3
  - 2.6. GET /v2/loop/getAllNames ..... 3
    - 2.6.1. Responses ..... 3
    - 2.6.2. Produces ..... 3
  - 2.7. GET /v2/loop/getstatus/{loopName} ..... 4
    - 2.7.1. Parameters ..... 4
    - 2.7.2. Responses ..... 4
    - 2.7.3. Produces ..... 4
  - 2.8. PUT /v2/loop/restart/{loopName} ..... 4
    - 2.8.1. Parameters ..... 4
    - 2.8.2. Responses ..... 4
    - 2.8.3. Produces ..... 4
  - 2.9. PUT /v2/loop/stop/{loopName} ..... 4
    - 2.9.1. Parameters ..... 4
    - 2.9.2. Responses ..... 5
    - 2.9.3. Produces ..... 5
  - 2.10. PUT /v2/loop/submit/{loopName}..... 5

2.10.1. Parameters	5
2.10.2. Responses	5
2.10.3. Produces	5
2.11. GET /v2/loop/svgRepresentation/{loopName}	5
2.11.1. Parameters	5
2.11.2. Responses	6
2.11.3. Produces	6
2.12. PUT /v2/loop/undeploy/{loopName}	6
2.12.1. Parameters	6
2.12.2. Responses	6
2.12.3. Produces	6
2.13. POST /v2/loop/updateGlobalProperties/{loopName}	6
2.13.1. Parameters	6
2.13.2. Responses	6
2.13.3. Consumes	7
2.13.4. Produces	7
2.14. POST /v2/loop/updateMicroservicePolicy/{loopName}	7
2.14.1. Parameters	7
2.14.2. Responses	7
2.14.3. Consumes	7
2.14.4. Produces	7
2.15. POST /v2/loop/updateOperationalPolicies/{loopName}	7
2.15.1. Parameters	8
2.15.2. Responses	8
2.15.3. Consumes	8
2.15.4. Produces	8
2.16. GET /v2/loop/{loopName}	8
2.16.1. Parameters	8
2.16.2. Responses	8
2.16.3. Produces	8
3. Definitions	9
3.1. CldsHealthCheck	9
3.2. CldsInfo	9
3.3. ExternalComponent	9
3.4. ExternalComponentState	10
3.5. JsonArray	10
3.6. JsonNull	11
3.7. JsonObject	12

3.8. JsonPrimitive .....	14
3.9. Loop .....	15
3.10. LoopLog .....	16
3.11. MicroServicePolicy .....	16
3.12. Number .....	17
3.13. OperationalPolicy .....	17

# Chapter 1. Overview

## 1.1. Version information

*Version* : 4.1.2-SNAPSHOT

## 1.2. URI scheme

*Host* : localhost:38405

*BasePath* : /restservices/clds/

*Schemes* : HTTP

# Chapter 2. Paths

## 2.1. GET /v1/clds/cldsInfo

### 2.1.1. Responses

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

### 2.1.2. Produces

- `application/json`

## 2.2. GET /v1/healthcheck

### 2.2.1. Responses

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

### 2.2.2. Produces

- `application/json`

## 2.3. GET /v1/user/getUser

### 2.3.1. Responses

HTTP Code	Schema
200	No Content

### 2.3.2. Produces

- `text/plain`

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

### 2.4.1. Parameters

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

### 2.4.2. Responses

HTTP Code	Schema
200	No Content

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

### 2.5.1. Parameters

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

### 2.5.2. Responses

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

### 2.5.3. Produces

- `application/json`

## 2.6. GET /v2/loop/getAllNames

### 2.6.1. Responses

HTTP Code	Description	Schema
200	Output type	< string > array

### 2.6.2. Produces

- `application/json`

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

### 2.7.1. Parameters

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

### 2.7.2. Responses

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

### 2.7.3. Produces

- `application/json`

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

### 2.8.1. Parameters

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

### 2.8.2. Responses

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

### 2.8.3. Produces

- `application/json`

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

### 2.9.1. Parameters



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

## 2.9.2. Responses

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

## 2.9.3. Produces

- [application/json](#)

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

## 2.10.1. Parameters

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

## 2.10.2. Responses

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

## 2.10.3. Produces

- [application/json](#)

# 2.11. GET /v2/loop/svgRepresentation/{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	string

## 2.11.3. Produces

- `application/xml`

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

## 2.12.1. Parameters

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

## 2.12.2. Responses

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

## 2.12.3. Produces

- `application/json`

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

## 2.13.1. Parameters

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

## 2.13.2. Responses

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

### 2.13.3. Consumes

- [application/json](#)

### 2.13.4. Produces

- [application/json](#)

## 2.14. POST

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

#### 2.14.1. Parameters

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

#### 2.14.2. Responses

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

### 2.14.3. Consumes

- [application/json](#)

### 2.14.4. Produces

- [application/json](#)

## 2.15. POST

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

### 2.15.1. Parameters

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

### 2.15.2. Responses

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

### 2.15.3. Consumes

- [application/json](#)

### 2.15.4. Produces

- [application/json](#)

## 2.16. GET /v2/loop/{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](#)

# 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. CldsInfo

Name	Schema
<b>cldsVersion</b> <i>optional</i>	string
<b>permissionReadCl</b> <i>optional</i>	boolean
<b>permissionReadTemplate</b> <i>optional</i>	boolean
<b>permissionReadTosca</b> <i>optional</i>	boolean
<b>permissionUpdateCl</b> <i>optional</i>	boolean
<b>permissionUpdateTemplate</b> <i>optional</i>	boolean
<b>permissionUpdateTosca</b> <i>optional</i>	boolean
<b>userName</b> <i>optional</i>	string

## 3.3. ExternalComponent

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

### 3.4. 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

### 3.5. 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>

Name	Schema
<b>asJsonNull</b> <i>optional</i>	JsonNull
<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

### 3.6. 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

Name	Schema
<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

### 3.7. JsonObject

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



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

Name	Schema
<b>jsonPrimitive</b> <i>optional</i>	boolean

## 3.8. 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)

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

### 3.9. Loop

Name	Schema
<b>blueprint</b> <i>optional</i>	string
<b>components</b> <i>optional</i>	< string, <a href="#">ExternalComponent</a> > map
<b>dcaeBlueprintId</b> <i>optional</i>	string
<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

Name	Schema
<b>microServicePolicies</b> <i>optional</i>	< <a href="#">MicroServicePolicy</a> > array
<b>modelPropertiesJson</b> <i>optional</i>	<a href="#">JsonObject</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

### 3.10. 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

### 3.11. MicroServicePolicy

Name	Schema
<b>jsonRepresentation</b> <i>optional</i>	<a href="#">JsonObject</a>
<b>modelType</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string

Name	Schema
<b>policyTosca</b> <i>optional</i>	string
<b>properties</b> <i>optional</i>	JsonObject
<b>shared</b> <i>optional</i>	boolean
<b>usedByLoops</b> <i>optional</i>	< Loop > array

## 3.12. Number

Type : object

## 3.13. OperationalPolicy

Name	Schema
<b>configurationsJson</b> <i>optional</i>	JsonObject
<b>jsonRepresentation</b> <i>optional</i>	JsonObject
<b>loop</b> <i>optional</i>	Loop
<b>name</b> <i>optional</i>	string