



NFV Director

Model API Guide

Release 4.1

Second Edition

Notices

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Preface

About this guide

This document contains all the expressions available through the API for NFV Director.

Audience

This document is targeting solution architects and solution integrators.

Document history

Table 1: Document history

Edition	Date	Description
1.0	14 October 2016	First Edition

Chapter 1 Introduction

NFV Director Extension API Guide explains the request under the structure “nfvd”, these request are labeled as “Model APIs”.

The present document will describe the REST resources related with the foundation of the API (instances, artifacts and relationships).

1.1 Model APIs

REST resources based on the Artifact, Templates, Instances, Relationships, Discovery and Catalog.

In the setup, it will be visible as ‘/nfvd’

Chapter 2 Definitions: General Management.

This chapter list all the tags available as Model API (“nfvd”) for the manipulation of Definitions.

2.1 Artifact Definitions.

The request for the definition of artifacts.

Operation	Description
POST /definition/artifact	Create a set of artifact definitions
GET /definition/artifact	Get all artifact definitions matching the given criteria
GET /definition/artifact/{id}	Get artifact definition by id
GET /definition/artifact/{id}/detail	Get artifact definition and its relationships by id
PUT /definition/artifact	Update a set of artifact definitions
PUT /definition/artifact/{id}	Update one single artifact definition
DELETE /definition/artifact	Delete one single artifact definition matching the given criteria
DELETE /definition/artifact/{id}	Delete one single artifact definition by id

2.2 Relationship Definitions.

The request for the definition of relationships.

Operation	Description
POST /definition/relationship	Create a set of relationship definitions
GET /definition/relationship	Get all relationship definitions matching the given criteria
GET /definition/relationship/{id}	Get relationship definition by id
PUT /definition/relationship	Update a set of relationship definitions
PUT /definition/relationship/{id}	Update one single relationship definition
DELETE /definition/relationship	Delete one single relationship definition matching the given criteria
DELETE /definition/relationship/{id}	Delete one single relationship definition by id

Chapter 3 Templates: General Management.

This chapter list all the tags available as Model API (“nfv”) for the manipulation of Templates.

Operation	Description
POST /template	Create template
POST /template/tree	Create template tree
POST /template/tree/uuid	Create an empty template tree
POST /template/upload	Upload template trees
POST /template/upload/partial	Upload partial trees
GET /template/download	Download template trees by treeIds
GET /template/query/elements	Get templates from a date
GET /template/query/elements/recursive	Get templates (recursive)
GET /template/tree	Get template ids by name and type
GET /template/tree/info	Get templates by name and type
GET /template/tree/{id}	Get template by id
PUT /template	Update artifacts and relationships of a template
PUT /template/tree/{id}	Update template tree
PUT /template/tree/{id}/root	Update root artifacts of template
DELETE /template/tree/{id}	Delete template tree
DELETE /template/tree/{id}/cascade	Delete template tree and content
DELETE /template/tree/{id}/{elementId}	Remove artifact or relationship from template tree

3.1 Components.

The request for the components management.

Operation	Description
POST /template/tree/{id}/visibility	Create visibility
GET /template	Get a component
PUT /template/tree/{id}/visibility/{visibility}	Update visibility of template
DELETE /template/tree/{id}/visibility/{visibility}	Delete visibility of template

3.2 Artifact Templates.

The request for the Artifact Templates management.

Operation	Description
POST /template/artifact	Create a set of artifact templates
POST /template/artifact/uuid	Create artifact templates with new UUIDs
POST /template/artifact/{id}/{cat}	Create a category value
POST /template/artifact/{id}/{cat}/{att}	Create an attribute
GET /template/artifact	Get all artifact templates matching the given criteria
GET /template/artifact/download	Download all the artifact templates (with pagination)
GET /template/artifact/paginated	Download all the artifact templates with the given parameters (with pagination)
GET /template/artifact/query/children	Get the children artifact templates of a template (one level)
GET /template/artifact/query/children/recursive	Get the children artifact templates of a template (recursive)
GET /template/artifact/query/parameters	Get artifact templates matching the given parameters
GET /template/artifact/query/parents	Get parents of an artifact template (one level)
GET /template/artifact/query/parents/recursive	Get parents of an artifact template (recursive)
GET /template/artifact/query/path	Get an artifact template by path
GET /template/artifact/{id}	Get artifact template by id
GET /template/artifact/{id}/tree	Get tree ids in which the artifact template id belongs to
GET /template/artifact/{id}/{cat}	Get a category
GET /template/artifact/{id}/{cat}/{att}	Get an attribute
PUT /template/artifact	Update one single artifact template
PUT /template/artifact/{id}/{cat}	Update a category
PUT /template/artifact/{id}/{cat}/{att}	Update an attribute
DELETE /template/artifact/{id}	Delete artifact template by id
DELETE /template/artifact/{id}/{cat}	Delete a category
DELETE /template/artifact/{id}/{cat}/{att}	Delete an attribute

3.3 Relationship Templates.

The request for the relationship Templates management.

Operation	Description
POST /template/relationship	Create a relationship template
POST /template/relationship/{id}/{cat}	Create a category
POST /template/relationship/{id}/{cat}/{att}	Create an attribute
GET /template/relationship	Get a relationship template by parent, child and type
GET /template/relationship/download	Download all relationship templates (paginated)
GET /template/relationship/{id}	Get a relationship template by id
GET /template/relationship/{id}/tree	Get the tree ids belonging to a relationship template
GET /template/relationship/{id}/{cat}	Get a category by category name
GET /template/relationship/{id}/{cat}/{att}	Get an attribute
PUT /template/relationship	Update a relationship template
PUT /template/relationship/{id}/{cat}	Update a category
PUT /template/relationship/{id}/{cat}/{att}	Update an attribute
DELETE /template/relationship	Delete a relationship template by parent, child and type
DELETE /template/relationship/{id}	Delete a relationship template
DELETE /template/relationship/{id}/{cat}	Delete a category
DELETE /template/relationship/{id}/{cat}/{att}	Delete an attribute

3.4 Temporal Templates.

The request for the Temporal Templates management.

Operation	Description
POST /template/tree/temporal	Create a temporal template
GET /template/tree/{id}/temporal	Get a temporal template
PUT /template/tree/temporal	Merge a template with a temporal template
PUT /template/tree/temporal/connect	Connect components of the temporal template
DELETE /template/tree/temporal/{templateId}	Delete a template tree from a temporal template

Chapter 4 Instances: General Management

The request for the management of Instances.

Operation	Description
POST /instance	Create artifact instances and relationships instances
POST /instance/tree	Create instance tree
POST /instance/tree/uuid	Create an empty instance tree
POST /instance/upload	Upload instance trees
POST /instance/upload/partial	Upload partial instance trees
GET /instance/download	Download instance trees by treeIds
GET /instance/query/elements	Get all instances from a date paginated
GET /instance/query/elements/recursive	Get instances (recursive)
GET /instance/tree	Get instance ids by name and type
GET /instance/tree/info	Get instances by name and type
GET /instance/tree/{id}	Get instance by id
GET /instance/tree/{id}/templates	Get templatesInfo that belong to the instance
GET /instance/tree/{instanceId}/templates/{subTemplateId}	Get template that belong to the instance
PUT /instance	Update artifact instances and relationships instances
PUT /instance/tree/{id}	Update instance
PUT /instance/tree/{id}/root	Update root artifacts of instance
DELETE /instance/synchronization	Delete synchronization table
DELETE /instance/tree/{id}	Delete instance tree
DELETE /instance/tree/{id}/cascade	Delete instance tree and content
DELETE /instance/tree/{id}/{elementId}	Remove artifact or relationship from instance tree

Operation	Description
POST /instance	Create artifact instances and relationships instances
POST /instance/tree	Create instance tree
POST /instance/tree/uuid	Create an empty instance tree
POST /instance/upload	Upload instance trees
POST /instance/upload/partial	Upload partial instance trees
GET /instance/download	Download instance trees by treeIds
GET /instance/query/elements	Get all instances from a date paginated
GET /instance/query/elements/recursive	Get instances (recursive)
GET /instance/tree	Get instance ids by name and type
GET /instance/tree/info	Get instances by name and type
GET /instance/tree/{id}	Get instance by id
GET /instance/tree/{id}/templates	Get templatesInfo that belong to the instance
GET /instance/tree/{instanceId}/templates/{subTemplateId}	Get template that belong to the instance
PUT /instance	Update artifact instances and relationships instances
PUT /instance/tree/{id}	Update instance
PUT /instance/tree/{id}/root	Update root artifacts of instance
DELETE /instance/synchronization	Delete synchronization table
DELETE /instance/tree/{id}	Delete instance tree
DELETE /instance/tree/{id}/cascade	Delete instance tree and content
DELETE /instance/tree/{id}/{elementId}	Remove artifact or relationship from instance tree

Operation	Description
POST /instance	Create artifact instances and relationships instances
POST /instance/tree	Create instance tree
POST /instance/tree/uuid	Create an empty instance tree
POST /instance/upload	Upload instance trees
POST /instance/upload/partial	Upload partial instance trees
GET /instance/download	Download instance trees by treeIds
GET /instance/query/elements	Get all instances from a date paginated
GET /instance/query/elements/recursive	Get instances (recursive)
GET /instance/tree	Get instance ids by name and type
GET /instance/tree/info	Get instances by name and type
GET /instance/tree/{id}	Get instance by id
GET /instance/tree/{id}/templates	Get templatesInfo that belong to the instance
GET /instance/tree/{instanceId}/templates/{subTemplateId}	Get template that belong to the instance
PUT /instance	Update artifact instances and relationships instances
PUT /instance/tree/{id}	Update instance
PUT /instance/tree/{id}/root	Update root artifacts of instance
DELETE /instance/synchronization	Delete synchronization table
DELETE /instance/tree/{id}	Delete instance tree
DELETE /instance/tree/{id}/cascade	Delete instance tree and content
DELETE /instance/tree/{id}/{elementId}	Remove artifact or relationship from instance tree

4.1 Artifact Instances

The API operations for Artifacts Instances management.

Operation	Description
POST /instance/artifact	Create a set of artifact instances
POST /instance/artifact/uuid	Create a set of artifact instances with a new UUID
POST /instance/artifact/{id}/{categoryName}	Create a new category
POST /instance/artifact/{id}/{categoryName}/{attributeName}	Create a new attribute
GET /instance/artifact	Return artifact instance based on artifactDefinition, and exactMatching
GET /instance/artifact/download	Get a list of artifact instances paginated
GET /instance/artifact/paginated	Return artifact instance paginated based on artifactDefinition, and exactMatching
GET /instance/artifact/query/children	Gets children of an artifact
GET /instance/artifact/query/children/paginated	Gets children of an artifact paginated
GET /instance/artifact/query/children/recursive	Gets children recursively of an artifact
GET /instance/artifact/query/parameters	Return a list of instance artifacts that match miscellaneous parameters
GET /instance/artifact/query/parents	Gets parents of an artifact
GET /instance/artifact/query/parents/paginated	Gets parents of an artifact paginated
GET /instance/artifact/query/parents/recursive	Gets parents recursively of an artifact
GET /instance/artifact/query/path	Gets an artifact instance by path
GET /instance/artifact/{id}	Get artifact instance by id
GET /instance/artifact/{id}/tree	Get tree ids in which the artifact instance id belongs to
GET /instance/artifact/{id}/{categoryName}	Return an artifact instance category
GET /instance/artifact/{id}/{categoryName}/{attributeName}	Return an artifact instance attribute
PUT /instance/artifact	Update a set of artifact instances
PUT /instance/artifact/{id}/{categoryName}	Updates an existing category
PUT /instance/artifact/{id}/{categoryName}/{attributeName}	Updates an existing attribute
DELETE /instance/artifact/{id}	Delete one single artifact instance by id
DELETE /instance/artifact/{id}/{categoryName}	Delete one single category
DELETE /instance/artifact/{id}/{categoryName}/{attributeName}	Delete one single attribute

4.2 Relationship instances.

The API operations for relationship instances management.

Operation	Description
POST /instance/relationship	Create a relationship instances
POST /instance/relationship/{id}/{categoryName}	Create a category
POST /instance/relationship/{id}/{categoryName}/{attributeName}	Create an attribute
GET /instance/relationship	Get a relationship instance by parent, child and type
GET /instance/relationship/download	Download all relationship instances (paginated)
GET /instance/relationship/{id}	Get a relationship instance by id
GET /instance/relationship/{id}/tree	Get the tree ids belonging to a relationship instance
GET /instance/relationship/{id}/{categoryName}	Get a category by category name
GET /instance/relationship/{id}/{categoryName}/{attributeName}	Get an attribute
PUT /instance/relationship	Update a relationship instances
PUT /instance/relationship/{id}/{categoryName}	Update a category
PUT /instance/relationship/{id}/{categoryName}/{attributeName}	Update an attribute
DELETE /instance/relationship	Delete a relationship instance by parent, child and type
DELETE /instance/relationship/{id}	Delete a relationship instance
DELETE /instance/relationship/{id}/{categoryName}	Delete a category
DELETE /instance/relationship/{id}/{categoryName}/{attributeName}	Delete an attribute

Chapter 5 Discovery

The API operations for Discovery.

Operation	Description
<code>POST /discovery/start</code>	Start discovering datacenters
<code>POST /discovery/start/invalidation</code>	Invalidate a start
<code>POST /discovery/stop</code>	Stop discovering datacenters
<code>POST /discovery/sync</code>	Discovering datacenters
<code>POST /discovery/{datacenterArtifactId}</code>	Create artifact instances and relationships instances
<code>POST /discovery/{datacenterArtifactId}/artifact</code>	Create a set of artifact instances
<code>POST /discovery/{datacenterArtifactId}/artifact/upload</code>	Create or update a set of artifact instances
<code>POST /discovery/{datacenterArtifactId}/relationship</code>	Create a relationship instances
<code>POST /discovery/{datacenterArtifactId}/relationship/upload</code>	Create or update a relationship instances
<code>POST /discovery/{datacenterArtifactId}/start</code>	Start discovery, only for the given datacenter
<code>POST /discovery/{datacenterArtifactId}/start/invalidation</code>	Invalidate a start, only for the given datacenter
<code>POST /discovery/{datacenterArtifactId}/stop</code>	Stop discovering datacenters, only for the given datacenter
<code>POST /discovery/{datacenterArtifactId}/upload</code>	Upload artifact instances and relationships instances
<code>PUT /discovery/{datacenterArtifactId}</code>	Update artifact instances and relationships instances
<code>PUT /discovery/{datacenterArtifactId}/artifact</code>	Update a set of artifact instances
<code>PUT /discovery/{datacenterArtifactId}/artifact/{id}/{categoryName}</code>	Updates an existing category of an artifact instance
<code>PUT /discovery/{datacenterArtifactId}/artifact/{id}/{categoryName}/{attributeName}</code>	Updates an existing attribute of an artifact instance
<code>PUT /discovery/{datacenterArtifactId}/relationship</code>	Update a relationship instances
<code>PUT /discovery/{datacenterArtifactId}/relationship/{id}/{categoryName}</code>	Update a category of the given relationship instance
<code>PUT /discovery/{datacenterArtifactId}/relationship/{id}/{categoryName}/{attributeName}</code>	Update an attribute of the given category of the given relationship instance
<code>DELETE /discovery/{datacenterArtifactId}/artifact/{id}</code>	Delete one single artifact instance by id
<code>DELETE /discovery/{datacenterArtifactId}/relationship</code>	Delete a relationship instance by parent, child and type

Chapter 6 Operations Management

The API request for operations Management.

Operation	Description
POST /operations	Invoke an operation
GET /operations/catalog	Gets all operations
GET /operations/sosa/catalog	Gets all SOSA operations
GET /operations/{id}	Get operation result

Chapter 7 Product Management

The API operations for product management.

Operation	Description
GET /product	Get info

7.1 Operational Modes Management

Operation	Description
POST /product/modes	Upload Modes
GET /product/modes	Get info
GET /product/modes/{entityId}	Get instance info
GET /product/modes/{entityId}/children	Get entity children
GET /product/modes/{entityId}/children/{childId}	Get entity child
GET /product/modes/{entityId}/children/{childId}/{artifactId}	Get artifact from child
GET /product/modes/{entityId}/{artifactId}	Get artifact instance from entity
PUT /product/modes/{entityId}	Update entity
PUT /product/modes/{entityId}/children/{childId}	Update child entity
PUT /product/modes/{entityId}/children/{childId}/rename	Update name and description
PUT /product/modes/{entityId}/children/{childId}/{artifactId}	Update artifact instance of child entity
PUT /product/modes/{entityId}/children/{childId}/{artifactId}/{categoryName}	Update category
PUT /product/modes/{entityId}/children/{childId}/{artifactId}/{categoryName}/{attributeName}	Update attribute
PUT /product/modes/{entityId}/{artifactId}	Update child entity
PUT /product/modes/{entityId}/{artifactId}/{categoryName}	Update category for an artifact instance
PUT /product/modes/{entityId}/{artifactId}/{categoryName}/{attributeName}	Updating attribute value
DELETE /product/modes/{entityId}	Delete entity
DELETE /product/modes/{entityId}/children/{childId}	Delete child entity

The API requests for Modes management.

7.2 Template Catalog

The API operations for template catalog management.

Operation	Description
POST /product/catalog	Create a template
POST /product/catalog/temporal	Create a template from a temporal template
POST /product/catalog/upload	Upload template tree
POST /product/catalog/{templateId}/attach	Attach template to a resource
POST /product/catalog/{templateId}/detach	Detach template from a resource
GET /product/catalog	Get catalog
GET /product/catalog/download	Download templates
GET /product/catalog/download/{templateId}	Download a template
GET /product/catalog/{templateId}	Get catalog template
GET /product/catalog/{templateId}/temporal	Get temporal component copy
PUT /product/catalog/temporal	Merge temporal template
PUT /product/catalog/{templateId}	Modify catalog template
DELETE /product/catalog/temporal	Delete a component from a temporal template
DELETE /product/catalog/{templateId}	Connect and disconnect
PATCH /product/catalog/temporal	Connect and disconnect

Chapter 8 Datacenters

The API operations for datacenters management.

Operation	Description
GET /datacenters/query/cpu	Get CPUs from Datacenters

Chapter 9 Paths

This Chapter will contain all possible messages and types for each type of Operation.

Create a set of artifact and relationship definitions

POST /definition

Tags: [1 - Definitions: General management](#)

Create a set of artifact and relationship definitions

application/xml application/json

Artifact/relationship definitions set
definitions

X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Artifact and relationship definitions successfully created
definitions

400 Bad Request

Bad request, check artifact/relationship definition format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Some artifact/relationship definitions already exist

500 Internal Server Error

Internal server error

Create or update a set of artifact and relationship definitions

POST /definition/upload

Tags: [1 - Definitions: General management](#)

Create or update a set of artifact and relationship definitions

application/xml application/json

Artifact/relationship definitions set
definitions

X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Artifact and relationship definitions successfully created/modified
definitions

400 Bad Request

Bad request, check artifact/relationship definition format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Some artifact/relationship definitions were already in used and cannot be modified

500 Internal Server Error

Internal server error

Get all definitions available

GET /definition

Tags: [1 - Definitions: General management](#)

Get all definitions available

X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Definitions successfully obtained
definitions

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Update a set of artifact and relationship definitions

PUT /definition

Tags: [1 - Definitions: General management](#)

Update a set of artifact and relationship definitions

application/xml application/json

Artifact/relationship definitions set

definitions

X-Auth-Token Authentication token header string

application/xml application/json

200 OK

Artifact and relationship definitions successfully modified

[definitions](#)

400 Bad Request

Bad request, check artifact/relationship definition format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Some artifact/relationship definitions do not exist

500 Internal Server Error

Internal server error

Create a set of artifact definitions

POST /definition/artifact

Tags: [1.1 - Artifact definitions](#)

Create a set of artifact definitions

application/xml application/json

Artifact definitions set

[artifact-definitions](#)

X-Auth-Token Authentication token header string

application/xml application/json

200 OK

Artifact definitions successfully created

[artifact-definitions](#)

400 Bad Request

Bad request, check artifact definition format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Some artifact definitions already exist

500 Internal Server Error

Internal server error

Get all artifact definitions matching the given criteria

GET /definition/artifact

Tags: [1.1 - Artifact definitions](#)

Get all artifact definitions matching the given criteria

family	Artifact definition family. If not provided, all artifact definitions will be returned	query	string
category	Artifact definition category	query	string
group	Artifact definition group	query	string
type	Artifact definition type	query	string
subtype	Artifact definition subtype	query	string
exactMatching	Flag to determine if the artifact should match to given exact definition	query	boolean true
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact definitions successfully obtained

[artifact-definitions](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get artifact definition by id

GET /definition/artifact/{id}

Tags: [1.1 - Artifact definitions](#)

Get artifact definition by id

id Internal artifact definition id path string

X-Auth-Token Authentication token header string

application/xml application/json

200 OK

Artifact definition successfully obtained

[artifact-definition](#)

- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact definition not found
- 500 Internal Server Error**
Internal server error

Get artifact definition and its relationships by id

GET /definition/artifact/{id}/detail

Tags: [1.1 - Artifact definitions](#)

Get artifact definition and its relationships by id

id	Internal artifact definition id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Artifact definition detail successfully obtained
[definitions](#)

- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact definition not found
- 500 Internal Server Error**
Internal server error

Update a set of artifact definitions

PUT /definition/artifact

Tags: [1.1 - Artifact definitions](#)

Update a set of artifact definitions

application/xml application/json

Artifact definitions set

[artifact-definitions](#)

X-Auth-Token	Authentication token	header	string
application/xml	application/json		

- 200 OK**
Artifact definitions successfully updated
[artifact-definitions](#)
- 400 Bad Request**
Bad request, check artifact definitions format. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Some artifact definitions do not exist
- 500 Internal Server Error**
Internal server error

Update one single artifact definition

PUT /definition/artifact/{id}

Tags: [1.1 - Artifact definitions](#)

Update one single artifact definition

application/xml application/json

Artifact definition

[artifact-definition](#)

id	Internal artifact definition id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Artifact definition successfully updated
[artifact-definition](#)
- 400 Bad Request**
Bad request, check artifact definition format. Is it well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact definition does not exist
- 500 Internal Server Error**

Internal server error

Delete one single artifact definition matching the given criteria

DELETE /definition/artifact

Tags: [1.1 - Artifact definitions](#)

Delete one single artifact definition matching the given criteria

family	Artifact definition family. If not provided, all artifact definitions will be returned	query	string
category	Artifact definition category	query	string
group	Artifact definition group	query	string
type	Artifact definition type	query	string
subtype	Artifact definition subtype	query	string
X-Auth-Token	Authentication token	header	string

204 No Content

Artifact definitions successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact definition matching the giving criteria does not exist

409 Conflict

More than one artifact definition found/There are instances or templates created from that definition

500 Internal Server Error

Internal server error

Delete one single artifact definition by id

DELETE /definition/artifact/{id}

Tags: [1.1 - Artifact definitions](#)

Delete one single artifact definition by id

id	Internal artifact definition id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Artifact definition successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact definition does not exist

500 Internal Server Error

Internal server error

Create a set of relationship definitions

POST /definition/relationship

Tags: [1.2 - Relationship definitions](#)

Create a set of relationship definitions

application/xml application/json

Relationship definitions set

[relationship-definitions](#)

X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Relationship definitions successfully created

[relationship-definitions](#)

400 Bad Request

Bad request, check relationship definitions format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Some relationship definitions already exist

500 Internal Server Error

Internal server error

Get all relationship definitions matching the given criteria

GET /definition/relationship

Tags: [1.2 - Relationship definitions](#)

Get all relationship definitions matching the given criteria

parentFamily	Parent artifact definition family. If not provided, there will not be any constraint taken from the parent artifact	query	string
parentCategory	Parent artifact definition category	query	string
parentGroup	Parent artifact definition group	query	string
parentType	Parent artifact definition type	query	string
parentSubtype	Parent artifact definition subtype	query	string
childFamily	Child artifact definition family. If not provided, there will not be any constraint taken from the child artifact	query	string
childCategory	Child artifact definition category	query	string
childGroup	Child artifact definition group	query	string
childType	Child artifact definition type	query	string
childSubtype	Child artifact definition subtype	query	string
relationshipType	Relationship type that applies to the given artifacts. If not provided, there will not be any constraint related to relationship type	query	string
exactMatching	Flag to determine whether either parent or child artifact definition should match to given exact definition	query	boolean true
X-Auth-Token	Authentication token	header	string

200 OK

Relationship definitions successfully obtained
[relationship-definitions](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get relationship definition by id

GET /definition/relationship/{id}

Tags: [1.2 - Relationship definitions](#)

Get artifact relationship by id

id	Internal artifact definition id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship definition successfully obtained
[relationship-definition](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Relationship definition not found

500 Internal Server Error

Internal server error

Update a set of relationship definitions

PUT /definition/relationship

Tags: [1.2 - Relationship definitions](#)

Update a set of relationship definitions

application/xml application/json

Relationship definitions set

[relationship-definitions](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Relationship definitions successfully updated
[relationship-definitions](#)

400 Bad Request

Bad request, check relationship definitions format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Some relationship definitions do not exist

500 Internal Server Error

Internal server error

Update one single relationship definition

PUT /definition/relationship/{id}

Tags: [1.2 - Relationship definitions](#)
Update one single relationship definition
application/xml application/json
Relationship definition
[relationship-definition](#)

id	Internal relationship definition id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Relationship definition successfully updated
[relationship-definition](#)

400 Bad Request
Bad request, check relationship definition format. Is it well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship definition does not exist

500 Internal Server Error
Internal server error

Delete one single relationship definition matching the given criteria

DELETE /definition/relationship

Tags: [1.2 - Relationship definitions](#)
Delete one single relationship definition matching the given criteria

parentFamily	Parent artifact definition family	query	string
parentCategory	Parent artifact definition category	query	string
parentGroup	Parent artifact definition group	query	string
parentType	Parent artifact definition type	query	string
parentSubtype	Parent artifact definition subtype	query	string
childFamily	Child artifact definition family	query	string
childCategory	Child artifact definition category	query	string
childGroup	Child artifact definition group	query	string
childType	Child artifact definition type	query	string
childSubtype	Child artifact definition subtype	query	string
relationshipType	Relationship type that applies to the given artifacts	query	string
X-Auth-Token	Authentication token	header	string

204 No Content
Relationship definitions successfully deleted

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship definition matching the given criteria does not exist

409 Conflict
More than one relationship definition found/There are instances or templates created from that definition

500 Internal Server Error
Internal server error

Delete one single relationship definition by id

DELETE /definition/relationship/{id}

Tags: [1.2 - Relationship definitions](#)
Delete one single relationship definition by id

id	Internal relationship definition id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content
Relationship definition successfully deleted

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship definition does not exist

500 Internal Server Error
Internal server error

Create template

POST /template

Tags: [2 - Templates](#); [General management](#)

Create template
application/xml application/json
Template to create
[template](#)

X-Auth-Token Authentication token header string
application/xml application/json
200 OK

Template successfully created
[template](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Create template tree

POST /template/tree

Tags: [2 - Templates: General management](#)

Create template tree
application/xml application/json
Template tree to create
[template](#)

X-Auth-Token Authentication token header string
application/xml application/json
200 OK

Template tree successfully created
[template](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Create an empty template tree

POST /template/tree/uuid

Tags: [2 - Templates: General management](#)

Crete new empty template tree with the given name, description and type
application/xml application/json

name	Template name	query	string
description	Template description	query	string
type	Template type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Template tree successfully created
[template](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Upload template trees

POST /template/upload

Tags: [2 - Templates: General management](#)

Upload template trees
application/xml application/json
Templates to upload
[templates](#)

X-Auth-Token Authentication token header string
application/xml application/json
200 OK

Template trees successfully created
[templates](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Upload partial trees

POST /template/upload/partial

Tags: [2 - Templates: General management](#)

Upload partial trees

application/xml application/json

Templates to partially upload

[templates](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK
Templates trees successfully created
[templates](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Download template trees by treeIds

GET /template/download

Tags: [2 - Templates: General management](#)

Download template trees by treeIds

tree	Tree ids to download	query	string[] , multiple parameters (tree=aaa&tree=bbb)
depth	Maximum depth levels to retrieve	query	integer (int32) 10
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Template trees successfully obtained
[templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get templates from a date

GET /template/query/elements

Tags: [2 - Templates: General management](#)

Get templates from a date

from	From date	query	string
excludeDefinition	Definitions to exclude	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
offset	Pagination offset	query	integer (int32)
items	Templates per page	query	integer (int32) 50
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Templates successfully obtained
[templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get templates (recursive)

GET /template/query/elements/recursive

Tags: [2 - Templates: General management](#)

Get templates (recursive)

artifactTemplateId	Artifact template id	query	string
--------------------	----------------------	-------	--------

excludeDefinition	Excluded definitions	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Templates successfully obtained
[templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get template ids by name and type

GET /template/tree

Tags: [2 - Templates: General management](#)

Get template ids by name and type

name	Template name	query	string
type	Template type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Template ids successfully obtained
[uuids](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get templates by name and type

GET /template/tree/info

Tags: [2 - Templates: General management](#)

Get templates by name and type

name	Template name	query	string
type	Template type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Templates successfully obtained
[templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get template by id

GET /template/tree/{id}

Tags: [2 - Templates: General management](#)

Get template by id

id	Template id	path	string
depth	Maximum depth levels to retrieve	query	integer (int32) 10
data	Hints for how to retrieve data	query	string full
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Template successfully obtained
[template](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update artifacts and relationships of a template

PUT /template

Tags: 2 - [Templates: General management](#)

Update artifacts and relationships of the given template

application/xml application/json

Template to update

[template](#)

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Template successfully updated

[template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update template tree

PUT /template/tree/{id}

Tags: 2 - [Templates: General management](#)

Update a template tree

application/xml application/json

Template

[template](#)

id	Template id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Template successfully updated

[template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update root artifacts of template

PUT /template/tree/{id}/root

Tags: 2 - [Templates: General management](#)

Update root artifacts of template with given root artifacts

application/xml application/json

id	Template to update	path	string
rootArtifacts	Root artifacts	query	string[] , multiple parameters (rootArtifacts=aaa&rootArtifacts=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Root artifacts of tmplate successfully updated

[template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete template tree

DELETE /template/tree/{id}

Tags: 2 - [Templates: General management](#)

Delete template tree

id	Template tree id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content
Template tree successfully deleted

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Delete template tree and content

DELETE /template/tree/{id}/cascade

Tags: [2 - Templates: General management](#)
Delete template tree and content

id	Template tree id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content
Template tree and content successfully deleted

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Remove artifact or relationship from template tree

DELETE /template/tree/{id}/{elementId}

Tags: [2 - Templates: General management](#)
Delete artifact or relationship with the given id from template tree

id	Template tree id	path	string
elementId	Artifact or relationship id	path	string
artifact	True if artifact / false if relationship	query	boolean true
X-Auth-Token	Authentication token	header	string

204 No Content
Element successfully removed from template tree

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Create visibility

POST /template/tree/{id}/visibility

Tags: [2.1 - Components](#)
Visibility defines different scopes, it can be used to select which templates are shown in different designer's palettes
application/xml application/json
Visibility
[visible](#)

id	Template id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
[templates](#)
Visibility successfully created

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get a component

GET /template

Tags: [2.1 - Components](#)
A simple template become a component in those cases where component-info element is defined in the template. We use this tag to define special characteristics for the component.

type	Defines the type of the connector	query	string[] , multiple parameters (type=aaa&type=bbb)
visibility	Visibilities	query	string[] , multiple parameters (visibility=aaa&visibility=bbb)

includeRoots Include roots artifacts when fetching data query string false
X-Auth-Token Authentication token header string
application/xml application/json
200 OK

Templates successfully obtained
[templates](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Update visibility of template

PUT /template/tree/{id}/visibility/{visibility}

Tags: [2.1 - Components](#)
Visibility defines different scopes, it can be used to select which templates are shown in different designer's palettes
application/xml application/json

id Template id path string
visibility Visibility path string
X-Auth-Token Authentication token header string
application/xml application/json

200 OK
Visibility successfully updated
[visible](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Delete visibility of template

DELETE /template/tree/{id}/visibility/{visibility}

Tags: [2.1 - Components](#)
Visibility defines different scopes, it can be used to select which templates are shown in different designer's palettes
application/xml application/json

id Template id path string
visibility Visibility path string
X-Auth-Token Authentication token header string
application/xml application/json

200 OK
Visibility successfully deleted
[visible](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Create a set of artifact templates

POST /template/artifact

Tags: [2.2 - Artifact templates](#)
Create a set of artifact templates
application/xml application/json
Artifact templates set
[artifact-templates](#)

X-Auth-Token Authentication token header string
application/xml application/json

200 OK
Artifact templates successfully created
[artifact-templates](#)

400 Bad Request
Bad request, check artifact template format. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

409 Conflict

Some artifact templates already exist

500 Internal Server Error

Internal server error

Create artifact templates with new UUIDs

POST /template/artifact/uuid

Tags: 2.2 - Artifact templates

Create artifact templates with new UUIDs

application/xml application/json

Artifact templates to create

[artifact-templates](#)

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Artifact templates successfully created

[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Create a category value

POST /template/artifact/{id}/{cat}

Tags: 2.2 - Artifact templates

Create category value with the given parameters

Category value

[category](#)

id	Internal artifact template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Artifact template successfully created

[artifact-template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Create an attribute

POST /template/artifact/{id}/{cat}/{att}

Tags: 2.2 - Artifact templates

Create attribute with the given parameters

id	Internal artifact template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Artifact template successfully created

[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get all artifact templates matching the given criteria

GET /template/artifact

Tags: 2.2 - Artifact templates

Get all artifact templates matching the given criteria

family	Artifact template family. If not provided, all artifact templates will be returned	query	string
--------	--	-------	--------

category	Artifact template category. If not provided, all artifact templates will be returned	query	string
group	Artifact template group	query	string
type	Artifact template type	query	string
subtype	Artifact template subtype	query	string
exactMatching	Flag to determine if the artifact should match to given exact definition	query	boolean
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Download all the artifact templates (with pagination)

GET /template/artifact/download

Tags: [2.2 - Artifact templates](#)

Download all the artifact templates (with pagination)

offset	Pagination offset	query	integer (int32)
items	Templates per page	query	integer (int32) 50
sort	Sorting expression	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact templates successfully downloaded
[artifact-templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Download all the artifact templates with the given parameters (with pagination)

GET /template/artifact/paginated

Tags: [2.2 - Artifact templates](#)

Download all the artifact templates with the given parameters (with pagination)

family	Template family	query	string
category	Template category	query	string
group	Template group	query	string
type	Template type	query	string
subtype	Template subtype	query	string
exactMatching	Flag to determine if the artifact should match to given exact definition	query	boolean
offset	Pagination offset	query	integer (int32)
items	Templates per page	query	integer (int32)
sort	Sorting expression	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact templates successfully downloaded
[artifact-templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Get the children artifact templates of a template (one level)

GET /template/artifact/query/children

Tags: [2.2 - Artifact templates](#)

Artifact templates who are children of the artifact template with the given id (one level), reached by the given relationships and matching the definition

id	artifact template id	query	string
relationship	relationships between the artifact templates	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)

definition	artifact definition values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get the children artifact templates of a template (recursive)

GET /template/artifact/query/children/recursive

Tags: [2.2 - Artifact templates](#)

Artifact templates who are children of the artifact template with the given id (recursive), reached by the given relationships and matching the definition

id	artifact template id	query	string
relationshipFilterType	Relationship filter types	query	string
relationship		query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact template values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
excludeDefinition	Artifact definitions exclusion values	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact templates do not exist

500 Internal Server Error

Internal server error

Get artifact templates matching the given parameters

GET /template/artifact/query/parameters

Tags: [2.2 - Artifact templates](#)

Get artifact templates matching the given parameters

definition	Artifact template values	query	string
status	Artifact instance status	query	string[] , multiple parameters (status=aaa&status=bbb)
treeId	Intance tree id	query	string
attributeFilter	Artifact instance status	query	string[] , multiple parameters (attributeFilter=aaa&attributeFilter=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact templates do not exist

500 Internal Server Error

Internal server error

Get parents of an artifact template (one level)

GET /template/artifact/query/parents

Tags: [2.2 - Artifact templates](#)

Return a list of artifacts which are parents of an artifact with the given id (one level), reached by the given relationships and matches the definition

id	Internal artifact template id	query	string
relationship	Relationships types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact template values	query	string[] , multiple parameters (definition=aaa&definition=bbb)

X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get parents of an artifact template (recursive)

GET /template/artifact/query/parents/recursive

Tags: [2.2 - Artifact templates](#)

Return a list of artifacts which are parents of an artifact with the given id (recursive), reached by the given relationships and matching the definition

id	artifact template id	query	string
relationshipFilterType	Relationship filter types	query	string
relationship	Relationship types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
excludeDefinition	Artifact definitions exclusion values	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get an artifact template by path

GET /template/artifact/query/path

Tags: [2.2 - Artifact templates](#)

Get an artifact template by path. The path has this format:

fam:cat:gr:t:st:v@status=active#GENERAL.Name=name>(rel@status=enable)fam:cat:gr:t:st:v2

id	Internal artifact template id	query	string
expression	Path expresion	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact templates successfully obtained
[artifact-templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get artifact template by id

GET /template/artifact/{id}

Tags: [2.2 - Artifact templates](#)

Get artifact template by id

id	Internal template definition id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact template successfully obtained
[artifact-template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact template not found

500 Internal Server Error

Internal server error

Get tree ids in which the artifact template id belongs to

GET /template/artifact/{id}/tree

Tags: [2.2 - Artifact templates](#)

Get tree ids in which the artifact template id belongs to

id	Internal artifact template id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Artifact templates successfully obtained
[uuids](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get a category

GET /template/artifact/{id}/{cat}

Tags: [2.2 - Artifact templates](#)

Get attribute with given template id and category value

id	Internal artifact template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Category successfully obtained
[category](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get an attribute

GET /template/artifact/{id}/{cat}/{att}

Tags: [2.2 - Artifact templates](#)

Get attribute with the given parameters

id	Internal artifact template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Attribute successfully obtained
[attribute](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update one single artifact template

PUT /template/artifact

Tags: [2.2 - Artifact templates](#)

Update one single artifact template

application/xml application/json

Internal artifact template id

[artifact-templates](#)

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Artifact templates successfully updated
[artifact-templates](#)

400 Bad Request

Bad request, check artifact template format. Is it well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact templates do not exist

500 Internal Server Error

Internal server error

Update a category

PUT /template/artifact/{id}/{cat}

Tags: [2.2 - Artifact templates](#)

Update category with the given parameters

Category value

[category](#)

id	Internal artifact template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Category successfully updated

[artifact-template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update an attribute

PUT /template/artifact/{id}/{cat}/{att}

Tags: [2.2 - Artifact templates](#)

Update attribute with the given parameters

id	Internal artifact template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Attribute template successfully updated

[artifact-template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete artifact template by id

DELETE /template/artifact/{id}

Tags: [2.2 - Artifact templates](#)

Delete artifact template by id

id	Internal artifact template id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Artifact template successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete a category

DELETE /template/artifact/{id}/{cat}

Tags: [2.2 - Artifact templates](#)

Delete the category with the given id and category name

id	Internal artifact template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

204 No Content
Category successfully deleted

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Delete an attribute

DELETE /template/artifact/{id}/{cat}/{att}

Tags: [2.2 - Artifact templates](#)

Delete attribute with the given parameters

id	Internal artifact template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Attribute successfully deleted
[artifact-template](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Create a relationship template

POST /template/relationship

Tags: [2.3 - Relationship templates](#)

Create a relationship template
application/xml application/json
Relationship template
[relationship-templates](#)

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Relationship templates successfully created
[relationship-templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship templates do not exist

500 Internal Server Error
Internal server error

Create a category

POST /template/relationship/{id}/{cat}

Tags: [2.3 - Relationship templates](#)

Create an attribute in the given category of the given relationship template, with the given parameters
Category
[category](#)

id	Relationship template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Relationship template successfully created
[relationship-template](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship template do not exist

500 Internal Server Error
Internal server error

Create an attribute

POST /template/relationship/{id}/{cat}/{att}

Tags: [2.3 - Relationship templates](#)
Create an attribute in the given relationship template, with the given parameters

id	Relationship template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Relationships template successfully created
[relationship-template](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship templates do not exist

500 Internal Server Error
Internal server error

Get a relationship template by parent, child and type

GET /template/relationship

Tags: [2.3 - Relationship templates](#)
Get a relationship template by parent, child and type

parentArtifactTemplateId	Parent artifact id	query	string
childArtifactTemplateId	Child artifact id	query	string
relationshipType	Relationship type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Relationship template successfully obtained
[relationship-template](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Download all relationship templates (paginated)

GET /template/relationship/download

Tags: [2.3 - Relationship templates](#)
Download all relationship templates (paginated)

offset	Pagination offset	query	integer (int32)
items	Templates per page	query	integer (int32) 50
sort	Sorting expression	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Relationship templates successfully obtained
[relationship-templates](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship templates do not exist

500 Internal Server Error
Internal server error

Get a relationship template by id

GET /template/relationship/{id}

Tags: [2.3 - Relationship templates](#)
Get a relationship template by id

id	Relationship template id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship template successfully obtained
[relationship-template](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get the tree ids belonging to a relationship template

GET /template/relationship/{id}/tree

Tags: [2.3 - Relationship templates](#)

Get the tree ids where the given relationship template belongs to

id	Relationship template id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Tree ids successfully obtained
[uuids](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get a category by category name

GET /template/relationship/{id}/{cat}

Tags: [2.3 - Relationship templates](#)

Get an attribute of the given relationship template, by category name

id	Relationship template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Category successfully obtained
[category](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get an attribute

GET /template/relationship/{id}/{cat}/{att}

Tags: [2.3 - Relationship templates](#)

Get an attribute of the given relationship template, by category and attribute name

id	Relationship template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Attribute successfully obtained
[attribute](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update a relationship template

PUT /template/relationship

Tags: [2.3 - Relationship templates](#)

Update a relationship template

application/xml application/json

Relationship templates
[relationship-templates](#)

X-Auth-Token Authentication token header string
application/xml application/json

200 OK
Relationship templates successfully updated
[relationship-templates](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship templates do not exist

500 Internal Server Error
Internal server error

Update a category

PUT /template/relationship/{id}/{cat}

Tags: [2.3 - Relationship templates](#)
Update a category of the given relationship template
Category
[category](#)

id Relationship template id path string
cat Category name path string
X-Auth-Token Authentication token header string
application/xml application/json

200 OK
Relationship template successfully updated
[relationship-template](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Update an attribute

PUT /template/relationship/{id}/{cat}/{att}

Tags: [2.3 - Relationship templates](#)
Update an attribute of the given category of the given relationship template

id Relationship template id path string
cat Category name path string
att Attribute name path string
value Relationship templates query string
X-Auth-Token Authentication token header string
application/xml application/json

200 OK
Relationship template successfully updated
[relationship-template](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Delete a relationship template by parent, child and type

DELETE /template/relationship

Tags: [2.3 - Relationship templates](#)
Delete a relationship template by parent, child and type

parentArtifactTemplateId Parent artifact template id query string
childArtifactTemplateId Child artifact template id query string
relationshipType Relationship type query string
X-Auth-Token Authentication token header string

204 No Content
Relationship template successfully deleted

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error

Internal server error
Delete a relationship template

DELETE /template/relationship/{id}

Tags: [2.3 - Relationship templates](#)
Delete a relationship template

id	Relationship template id	path	string
X-Auth-Token	Authentication token	header	string

- 204 No Content**
Relationship template successfully deleted
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Element does not exist

500 Internal Server Error
Internal server error

Delete a category

DELETE /template/relationship/{id}/{cat}

Tags: [2.3 - Relationship templates](#)
Delete a category of the given relationship template

id	Relationship template id	path	string
cat	Category name	path	string
X-Auth-Token	Authentication token	header	string

- application/xml application/json
- 204 No Content**
Category successfully deleted
 - 400 Bad Request**
Bad request, check input parameters. Are they well formed?
 - 403 Forbidden**
Authentication error. Is token missing?
 - 404 Not Found**
Element does not exist

500 Internal Server Error
Internal server error

Delete an attribute

DELETE /template/relationship/{id}/{cat}/{att}

Tags: [2.3 - Relationship templates](#)
Delete an attribute of the given category of the given relationship template

id	Relationship template id	path	string
cat	Category name	path	string
att	Attribute name	path	string
X-Auth-Token	Authentication token	header	string

- application/xml application/json
- 200 OK**
Relationship template successfully deleted
 - 400 Bad Request**
Bad request, check input parameters. Are they well formed?
 - 403 Forbidden**
Authentication error. Is token missing?
 - 404 Not Found**
Element does not exist
- 500 Internal Server Error**
Internal server error

Create a temporal template

POST /template/tree/temporal

Tags: [2.4 - Temporal templates](#)
The temporal template is a template that does not exist in the data base. It has been created on the fly. This object is created for being used mainly by the designer.
application/xml application/json
Temporal template
[temporal-template](#)

overwrite	If Overwrite is false, it will create a new copy with new ids	query	boolean
visibility	Visibility scopes for the new the temporal template	query	string[] , multiple parameters (visibility=aaa&visibility=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Temporal template successfully created
[templates](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get a temporal template

GET /template/tree/{id}/temporal

Tags: [2.4 - Temporal templates](#)

The temporal template is a template that does not exist in the data base. It has been created on the fly. This object is created for being used mainly by the designer.

id	Temporal template id	path	string
visibility	Visibility scopes of the temporal template	query	string[] , multiple parameters (visibility=aaa&visibility=bbb)
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Temporal template successfully obtained
[templates](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Merge a template with a temporal template

PUT /template/tree/temporal

Tags: [2.4 - Temporal templates](#)

Add the given template as a subtemplate of the given sourceTemplate. The temporal template is a template that does not exist in the data base. It has been created on the fly. This object is created for being used mainly by the designer.

application/xml application/json

Temporal template

[temporal-template](#)

templateId	Template id	query	string
noConnect	Create relationships automatically	query	boolean
sourceTemplateId	Source template id	query	string
includeConnector	Connector types to include	query	string[] , multiple parameters (includeConnector=aaa&includeConnector=bbb)
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Templates successfully merged
[templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Connect components of the temporal template

PUT /template/tree/temporal/connect

Tags: [2.4 - Temporal templates](#)

Connect target components and artifacts in the given component of the given temporal template

application/xml application/json

Temporal template

[temporal-template](#)

sourceComponentId	Source component id	query	string
sourceArtifactId	Source artifact ids	query	string[] , multiple parameters (sourceArtifactId=aaa&sourceArtifactId=bbb)
pluggedComponentId	Plugged component ids	query	string[] , multiple parameters (pluggedComponentId=aaa&pluggedComponentId=bbb)
pluggedArtifactId	Plugged artifact ids	query	string[] , multiple parameters (pluggedArtifactId=aaa&pluggedArtifactId=bbb)
unpluggedComponentId	Unplugged component ids	query	string[] , multiple parameters (unpluggedComponentId=aaa&unpluggedComponentId=bbb)

unpluggedArtifactId	Unplugged artifact ids	query	string[] , multiple parameters (unpluggedArtifactId=aaa&unpluggedArtifactId=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Elements successfully connected

[templates](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete a template tree from a temporal template

DELETE /template/tree/temporal/{templateId}

Tags: [2.4 - Temporal templates](#)

Delete a template tree from a temporal template

Temporal template

[temporal-template](#)

templateId	Template id to delete	path	string
X-Auth-Token	Authentication token	header	string

200 OK

Template successfully deleted

[templates](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Create artifact instances and relationships instances

POST /instance

Tags: [3 - Instances: General management](#)

Create artifact instances and relationships instances

application/xml application/json

Instance to create

[instance](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Artifact instances and relationships instances successfully created

[instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Create instance tree

POST /instance/tree

Tags: [3 - Instances: General management](#)

Create instance tree

application/xml application/json

Instance tree to create

[instance](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Instance tree successfully created

[instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Create an empty instance tree

POST /instance/tree/uuid

Tags: [3 - Instances: General management](#)

Crete new empty instance tree with the given name, description and type
application/xml application/json

name	Instance name	query	string
description	Instance description	query	string
type	Instance type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Instance tree successfully created

[instance](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Upload instance trees

POST /instance/upload

Tags: [3 - Instances: General management](#)

Upload instance trees

application/xml application/json

Instances to upload

[instances](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Instance trees successfully upload

[instance](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Upload partial instance trees

POST /instance/upload/partial

Tags: [3 - Instances: General management](#)

Upload partial instance trees

application/xml application/json

Instances to upload

[instances](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Instance trees successfully upload

[instance](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Download isntance trees by treeIds

GET /instance/download

Tags: [3 - Instances: General management](#)

Download isntance trees by treeIds

tree	Tree ids to download	query	string[] , multiple parameters (tree=aaa&tree=bbb)
depth	Maximum depth levels to retrieve	query	integer (int32) 10
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Instance trees successfully obtained

[instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get all instances from a date paginated

GET /instance/query/elements

Tags: [3 - Instances: General management](#)

Get all instances from a date paginated

from	From date	query	string
excludeDefinition	Definitions to exclude	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
offset	Pagination offset	query	integer (int32)
items	Instances per page	query	integer (int32) 50
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Instances successfully obtained

[instances](#)

400 Bad Request

Bad request, check from parameter. Is it well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get instances (recursive)

GET /instance/query/elements/recursive

Tags: [3 - Instances: General management](#)

Get instances (recursive)

artifactInstanceId	Artifact instance id	query	string
excludeDefinition	Excluded definitions	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Instances successfully obtained

[instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get instance ids by name and type

GET /instance/tree

Tags: [3 - Instances: General management](#)

Get instance ids by name and type

name	Instance name	query	string
type	Instance type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Instance ids successfully obtained

[uuids](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Get instances by name and type

GET /instance/tree/info

Tags: [3 - Instances: General management](#)

Get instances by name and type

name	Instance name	query	string
type	Instance type	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Instances successfully obtained
[instances-info](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get instance by id

GET /instance/tree/{id}

Tags: [3 - Instances: General management](#)

Get instance by id

id	Instance id	path	string
depth	Maximum depth levels to retrieve	query	integer (int32) 10
data	Hints for how to retrieve data	query	string full
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Instances successfully obtained
[instances](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get templatesInfo that belong to the instance

GET /instance/tree/{id}/templates

Tags: [3 - Instances: General management](#)

Get templatesInfo that belong to the instance

id	Instance id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Templates successfully obtained
[templates-info](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Get template that belong to the instance

GET /instance/tree/{instanceId}/templates/{subTemplateId}

Tags: [3 - Instances: General management](#)

Get template that belong to the instance

instanceId	Instance id	path	string
subTemplateId	Subtemplate id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Template successfully obtained
[templates-info](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Update artifact instances and relationships instances

PUT /instance

Tags: [3 - Instances: General management](#)

Update artifact instances and relationships instances

application/xml application/json

Instance to update

[instance](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Artifact instances and relationships instances successfully updated

[instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update instance

PUT /instance/tree/{id}

Tags: [3 - Instances: General management](#)

Update instance

application/xml application/json

Instance to update

[instance](#)

id	Instance id	path	string
----	-------------	------	--------

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Instance successfully updated

[instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update root artifacts of instance

PUT /instance/tree/{id}/root

Tags: [3 - Instances: General management](#)

Update root artifacts of instance with given root artifacts

application/xml application/json

id	instance to update	path	string
----	--------------------	------	--------

rootArtifacts	Root artifacts	query	string[] , multiple parameters (rootArtifacts=aaa&rootArtifacts=bbb)
---------------	----------------	-------	--

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Root artifacts of instance successfully updated

[instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete synchronization table

DELETE /instance/synchronization

Tags: [3 - Instances: General management](#)

Delete synchronization table

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

204 No Content

Delete synchronization table

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Delete instance tree

DELETE /instance/tree/{id}

Tags: 3 - Instances: General management

Delete instance tree

id	Instance id to delete	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Instance tree successfully deleted

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete instance tree and content

DELETE /instance/tree/{id}/cascade

Tags: 3 - Instances: General management

Delete instance tree and content

id	Instance id to delete	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Instance tree and content successfully deleted

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Remove artifact or relationship from instance tree

DELETE /instance/tree/{id}/{elementId}

Tags: 3 - Instances: General management

Delete artifact or relationship with the given id from instance tree

id	Instance tree id	path	string
elementId	Artifact or relationship id	path	string
artifact	True if artifact / false if relationship	query	boolean true
X-Auth-Token	Authentication token	header	string

204 No Content

Element successfully removed from instance tree

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Create a set of artifact instances

POST /instance/artifact

Tags: 3.1 - Artifact instances

Create a set of artifact instances

application/xml application/json

Artifact instances set

[artifact-instances](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK

Artifact instances successfully created

[artifact-instances](#)

400 Bad Request

Bad request, check artifact instance format. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Some artifact instance already exist

500 Internal Server Error

Internal server error

Create a set of artifact instances with a new UUID

POST /instance/artifact/uuid

Tags: [3.1 - Artifact instances](#)
Create a set of artifact instances with a new UUID
application/xml application/json
Artifact instances set
[artifact-instances](#)

X-Auth-Token	Authentication token	header	string
--------------	----------------------	--------	--------

application/xml application/json

200 OK
Artifact instances successfully created
[artifact-instances](#)

400 Bad Request
Bad request, check artifact instance format. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error
Create a new category

POST /instance/artifact/{id}/{categoryName}

Tags: [3.1 - Artifact instances](#)
Create a new category
Category
[category](#)

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Category successfully created
[artifact-instance](#)

400 Bad Request
Bad request, check input parameter. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact instance or category or attribute not found

409 Conflict
Category already exist

500 Internal Server Error
Internal server error
Create a new attribute

POST /instance/artifact/{id}/{categoryName}/{attributeName}

Tags: [3.1 - Artifact instances](#)
Create a new attribute

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Attribute successfully created
[artifact-instance](#)

400 Bad Request
Bad request, check input parameter. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact instance or category or attribute not found

500 Internal Server Error
Internal server error
Return artifact instance based on artifactDefinition, and exactMatching

GET /instance/artifact

Tags: [3.1 - Artifact instances](#)
Return artifact instance based on artifactDefinition, and exactMatching

family	Artifact instance family. If not provided, all artifact instances will be returned	query	string
category	Artifact instance category	query	string
group	Artifact instance group	query	string

type	Artifact instance type	query	string
subtype	Artifact instance subtype	query	string
exactMatching	Flag to determine if the artifact should match to given exact instance	query	boolean
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get a list of artifact instances paginated

GET /instance/artifact/download

Tags: [3.1 - Artifact instances](#)

Get a list of artifact instances paginated

offset	Pagination offset	query	integer (int32)
items	Pagination items	query	integer (int32) 50
sort	Sorting expresion	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

X-Link-Last	Link for the last page	string
X-Link-Self	Link for the current page	string
X-Link-Next	Link for the next page	string
X-Link-Prev	Link for the previous page	string
X-Total-Count	Total count of items	string

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Return artifact instance paginated based on artifactDefinition, and exactMatching

GET /instance/artifact/paginated

Tags: [3.1 - Artifact instances](#)

Return artifact instance paginated based on artifactDefinition, and exactMatching

family	Artifact instance family. If not provided, all artifact instances will be returned	query	string
category	Artifact instance category	query	string
group	Artifact instance group	query	string
type	Artifact instance type	query	string
subtype	Artifact instance subtype	query	string
exactMatching	Flag to determine if the artifact should match to given exact instance	query	boolean
offset	Pagination offset	query	integer (int32)
items	Pagination items	query	integer (int32) 50
sort	Sorting expresion	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

X-Link-Last	Link for the last page	string
X-Link-Self	Link for the current page	string
X-Link-Next	Link for the next page	string
X-Link-Prev	Link for the previous page	string
X-Total-Count	Total count of items	string

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets children of an artifact

GET /instance/artifact/query/children

Tags: [3.1 - Artifact instances](#)

Return a list of artifacts which are children of an artifact with the given id, reached by the given relationships and matches the definition

id	Internal artifact instance id	query	string
relationship	Relationship types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets children of an artifact paginated

GET /instance/artifact/query/children/paginated

Tags: [3.1 - Artifact instances](#)

Return a list of artifacts paginated which are children of an artifact with the given id, reached by the given relationships and matches the definition

id	Internal artifact instance id	query	string
relationship	Relationship types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
offset	Pagination offset	query	integer (int32)
items	Pagination items	query	integer (int32) 50
sort	Sorting expresion	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

X-Link-Last Link for the last page string

X-Link-Self Link for the current page string

X-Link-Next Link for the next page string

X-Link-Prev Link for the previous page string

X-Total-Count Total count of items string

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets children recursively of an artifact

GET /instance/artifact/query/children/recursive

Tags: [3.1 - Artifact instances](#)

Return a list of artifacts recursively which are children of an artifact with the given id, reached by the given relationships and matches the definition

id	Internal artifact instance id	query	string
relationshipFilterType	Relationship filter types	query	string
relationship	Relationship types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
excludeDefinition	Artifact definitions exlusion values	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Return a list of instance artifacts that match miscellaneous parameters

GET /instance/artifact/query/parameters

Tags: [3.1 - Artifact instances](#)

Return a list of instance artifacts that match miscellaneous parameters

definition	Artifact definitions value	query	string
status	Artifact instance status	query	string[] , multiple parameters (status=aaa&status=bbb)
artifactTemplateId	Artifact template id	query	string
treeId	Intance tree id	query	string
attributeFilter	Artifact instance status	query	string[] , multiple parameters (attributeFilter=aaa&attributeFilter=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets parents of an artifact

GET /instance/artifact/query/parents

Tags: [3.1 - Artifact instances](#)

Return a list of artifacts which are parents of an artifact with the given id, reached by the given relationships and matches the definition

id	Internal artifact instance id	query	string
relationship	Relationships types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets parents of an artifact paginated

GET /instance/artifact/query/parents/paginated

Tags: [3.1 - Artifact instances](#)

Return a list of artifacts paginated which are parents of an artifact with the given id, reached by the given relationships and matches the definition

id	Internal artifact instance id	query	string
relationship	Relationship types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
offset	Pagination offset	query	integer (int32)
items	Pagination items	query	integer (int32) 50
sort	Sorting expresion	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained

[artifact-instances](#)

X-Link-Last Link for the last page string

X-Link-Self Link for the current page string

X-Link-Next Link for the next page string

X-Link-Prev Link for the previous page string

X-Total-Count Total count of items string

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets parents recursively of an artifact

GET /instance/artifact/query/parents/recursive

Tags: [3.1 - Artifact instances](#)

Return a list of artifacts recursively which are parents of an artifact with the given id, reached by the given relationships and matches the definition

id	Internal artifact instance id	query	string
relationshipFilterType	Relationship filter types	query	string
relationship	Relationship types	query	string[] , multiple parameters (relationship=aaa&relationship=bbb)
definition	Artifact definitions values	query	string[] , multiple parameters (definition=aaa&definition=bbb)
excludeDefinition	Artifact definitions exclusion values	query	string[] , multiple parameters (excludeDefinition=aaa&excludeDefinition=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained
[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Gets an artifact instance by path

GET /instance/artifact/query/path

Tags: [3.1 - Artifact instances](#)

Gets an artifact instance by path, the path has this format:

fam:cat:gr:t:st:v@status=active#GENERAL.Name=name>(rel@status=enable)fam:cat:gr:t:st:v2

id	Internal artifact instance id	query	string
expression	Path expresion	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained
[artifact-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error

Internal server error

Get artifact instance by id

GET /instance/artifact/{id}

Tags: [3.1 - Artifact instances](#)

Get artifact instance by id

id	Internal artifact instance id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instance successfully obtained
[artifact-instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance not found

500 Internal Server Error

Internal server error

Get tree ids in which the artifact instance id belongs to

GET /instance/artifact/{id}/tree

Tags: [3.1 - Artifact instances](#)

Get tree ids in which the artifact instance id belongs to

id	Internal artifact instance id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instances successfully obtained
[uuids](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?
403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error
Return an artifact instance category

GET /instance/artifact/{id}/{categoryName}

Tags: [3.1 - Artifact instances](#)
Return an artifact instance category

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Category successfully obtained
[category](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?
403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact instance or category not found

500 Internal Server Error
Internal server error
Return an artifact instance attribute

GET /instance/artifact/{id}/{categoryName}/{attributeName}

Tags: [3.1 - Artifact instances](#)
Return an artifact instance attribute

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Attribute successfully obtained
[attribute](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?
403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact instance or Attribute not found

500 Internal Server Error
Internal server error
Update a set of artifact instances

PUT /instance/artifact

Tags: [3.1 - Artifact instances](#)
Update a set of artifact instances
application/xml application/json
Artifact instances set
[artifact-instances](#)

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact instances successfully updated
[artifact-instances](#)

400 Bad Request
Bad request, check artifact instances format. Is it well formed?
403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact instance does not exist

500 Internal Server Error
Internal server error
Updates an existing category

PUT /instance/artifact/{id}/{categoryName}

Tags: [3.1 - Artifact instances](#)
Updates an existing category
Category

category

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Category successfully updated
[artifact-instance](#)

400 Bad Request

Bad request, check input parameter. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance or category or attribute not found

500 Internal Server Error

Internal server error

Updates an existing attribute

PUT /instance/artifact/{id}/{categoryName}/{attributeName}

Tags: [3.1 - Artifact instances](#)

Updates an existing attribute

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Attribute successfully updated
[artifact-instance](#)

400 Bad Request

Bad request, check input parameter. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance or category or attribute not found

500 Internal Server Error

Internal server error

Delete one single artifact instance by id

DELETE /instance/artifact/{id}

Tags: [3.1 - Artifact instances](#)

Delete one single artifact instance by id

id	Internal artifact instance id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Artifact instance successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance does not exist

500 Internal Server Error

Internal server error

Delete one single category

DELETE /instance/artifact/{id}/{categoryName}

Tags: [3.1 - Artifact instances](#)

Delete one single category

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

204 No Content

Category successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance or category or attribute does not exist

500 Internal Server Error

Internal server error

Delete one single attribute

DELETE /instance/artifact/{id}/{categoryName}/{attributeName}

Tags: [3.1 - Artifact instances](#)

Delete one single attribute

id	Internal artifact instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

204 No Content

Attribute successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance or category or attribute does not exist

500 Internal Server Error

Internal server error

Create a relationship instances

POST /instance/relationship

Tags: [3.2 - Relationship instances](#)

Create a relationship instances

application/xml application/json

Relationship instances

[relationship-instances](#)

X-Auth-Token	Authentication token	header	string
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application/xml application/json

200 OK

Relationship instances successfully created

[relationship-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Relationship instance do not exist

500 Internal Server Error

Internal server error

Create a category

POST /instance/relationship/{id}/{categoryName}

Tags: [3.2 - Relationship instances](#)

Create an attribute in the given category of the given relationship instance, with the given parameters

Category

[category](#)

id	Relationship instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship instance successfully created

[relationship-instance](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Relationship instance do not exist

500 Internal Server Error

Internal server error

Create an attribute

POST /instance/relationship/{id}/{categoryName}/{attributeName}

Tags: [3.2 - Relationship instances](#)

Create an attribute in the given relationship instance, with the given parameters

id	Relationship instance id	path	string
----	--------------------------	------	--------

categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Relationships instance successfully created
[relationship-instance](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship instance do not exist

500 Internal Server Error
Internal server error

Get a relationship instance by parent, child and type

GET /instance/relationship

Tags: [3.2 - Relationship instances](#)

Get a relationship instance by parent, child and type

parentArtifactInstanceId	Parent artifact id	query	string
childArtifactInstanceId	Child artifact id	query	string
relationshipType	Relationship type	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Relationship instance successfully obtained
[relationship-instances](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Download all relationship instances (paginated)

GET /instance/relationship/download

Tags: [3.2 - Relationship instances](#)

Download all relationship instances (paginated)

offset	Pagination offset	query	integer (int32)
items	Instances per page	query	integer (int32) 50
sort	Sorting expression	query	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Relationship instances successfully obtained
[relationship-instances](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Relationship instance do not exist

500 Internal Server Error
Internal server error

Get a relationship instance by id

GET /instance/relationship/{id}

Tags: [3.2 - Relationship instances](#)

Get a relationship instance by id

id	Relationship instance id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Relationship instance successfully obtained
[relationship-instances](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get the tree ids belonging to a relationship instance

GET /instance/relationship/{id}/tree

Tags: [3.2 - Relationship instances](#)

Get the tree ids where the given relationship instance belongs to

id	Relationship instance id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Tree ids successfully obtained

[uuids](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get a category by category name

GET /instance/relationship/{id}/{categoryName}

Tags: [3.2 - Relationship instances](#)

Get an attribute of the given relationship instance, by category name

id	Relationship instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Category successfully obtained

[category](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Get an attribute

GET /instance/relationship/{id}/{categoryName}/{attributeName}

Tags: [3.2 - Relationship instances](#)

Get an attribute of the given relationship instance, by category and attribute name

id	Relationship instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Attribute successfully obtained

[attribute](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Update a relationship instances

PUT /instance/relationship

Tags: [3.2 - Relationship instances](#)

Update a relationship instances

application/xml application/json

Relationship instances set

[relationship-instances](#)

X-Auth-Token Authentication token header string
application/xml application/json
200 OK
Relationship instances successfully updated
[relationship-instances](#)
400 Bad Request
Bad request, check input parameters. Are they well formed?
403 Forbidden
Authentication error. Is token missing?
404 Not Found
Relationship instances do not exist
500 Internal Server Error
Internal server error

Update a category
PUT /instance/relationship/{id}/{categoryName}

Tags: [3.2 - Relationship instances](#)
Update a category of the given relationship instance
Category
[category](#)

id	Relationship instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json
200 OK
Relationship instance successfully updated
[relationship-instance](#)
403 Forbidden
Authentication error. Is token missing?
404 Not Found
Element does not exist
500 Internal Server Error
Internal server error

Update an attribute
PUT /instance/relationship/{id}/{categoryName}/{attributeName}

Tags: [3.2 - Relationship instances](#)
Update an attribute of the given category of the given relationship instance

id	Relationship instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json
200 OK
Relationship instance successfully updated
[relationship-instance](#)
403 Forbidden
Authentication error. Is token missing?
404 Not Found
Element does not exist
500 Internal Server Error
Internal server error

Delete a relationship instance by parent, child and type
DELETE /instance/relationship

Tags: [3.2 - Relationship instances](#)
Delete a relationship instance by parent, child and type

parentArtifactInstanceId	Parent artifact id	query	string
childArtifactInstanceId	Child artifact id	query	string
relationshipType	Relationship type	query	string
X-Auth-Token	Authentication token	header	string

204 No Content
Relationship instance successfully deleted
400 Bad Request
Bad request, check input parameters. Are they well formed?
403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete a relationship instance

DELETE /instance/relationship/{id}

Tags: [3.2 - Relationship instances](#)

Delete a relationship instance

id	Relationship instance id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Relationship instance successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete a category

DELETE /instance/relationship/{id}/{categoryName}

Tags: [3.2 - Relationship instances](#)

Delete a category of the given relationship instance

id	Relationship instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

204 No Content

Category successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete an attribute

DELETE /instance/relationship/{id}/{categoryName}/{attributeName}

Tags: [3.2 - Relationship instances](#)

Delete an attribute of the given category of the given relationship instance

id	Relationship instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

204 No Content

Relationship instance successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Start discovering datacenters

POST /discovery/start

Tags: [4 - Discovery](#)

Start discovering datacenters, now artifact and relationships can be send

X-Auth-Token Authentication token header string

200 OK
Stat flag has been created

403 Forbidden
Authentication error. Is token missing?

409 Conflict
Start has been done before

500 Internal Server Error
Internal server error

Invalidate a start

POST /discovery/start/invalidation

Tags: [4 - Discovery](#)
This operation allows to invalidate a previous start, so new starts can be invoked. This operation cannot be invoked if a stop has been already done.

X-Auth-Token Authentication token header string

200 OK
Stat flag has been created

403 Forbidden
Authentication error. Is token missing?

409 Conflict
Stop has been already done

500 Internal Server Error
Internal server error

Stop discovering datacenters

POST /discovery/stop

Tags: [4 - Discovery](#)
Stop discovering datacenters, asynchronous discovering resource quota is doing

X-Auth-Token Authentication token header string

200 OK
Asynchronous discovering resource quota is doing

403 Forbidden
Authentication error. Is token missing?

409 Conflict
Stop has been done before

500 Internal Server Error
Internal server error

Discovering datacenters

POST /discovery/sync

Tags: [4 - Discovery](#)
Discovering one datacenter, asynchronous discovering resource quota is doing

dcId Datacenter instance ids query string[] , multiple parameters (dcId=aaa&dcId=bbb)

X-Auth-Token Authentication token header string

200 OK
Asynchronous discovering resource quota is doing

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Create artifact instances and relationships instances

POST /discovery/{datacenterArtifactId}

Tags: [4 - Discovery](#)
Create artifact instances and relationships instances
application/xml application/json
Instance to create
[instance](#)

datacenterArtifactId Datacenter artifact id path string

X-Auth-Token Authentication token header string

application/xml application/json

200 OK
Artifact instances and relationships instances successfully created
[instance](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Element does not exist
- 500 Internal Server Error**
Internal server error

Create a set of artifact instances

POST /discovery/{datacenterArtifactId}/artifact

Tags: [4 - Discovery](#)
Create a set of artifact instances
application/xml application/json
Artifact instances set
[artifact-instances](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Artifact instances successfully created
[artifact-instances](#)
- 400 Bad Request**
Bad request, check artifact instance format. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 409 Conflict**
Some artifact instance already exist
- 500 Internal Server Error**
Internal server error

Create or update a set of artifact instances

POST /discovery/{datacenterArtifactId}/artifact/upload

Tags: [4 - Discovery](#)
Create or update a set of artifact instances
application/xml application/json
Artifact instances set
[artifact-instances](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Artifact instances successfully created
[artifact-instances](#)
- 400 Bad Request**
Bad request, check artifact instance format. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 500 Internal Server Error**
Internal server error

Create a relationship instances

POST /discovery/{datacenterArtifactId}/relationship

Tags: [4 - Discovery](#)
Create a relationship instances
application/xml application/json
Relationship instances
[relationship-instances](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Relationship instances successfully created
[relationship-instances](#)
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Relationship instance do not exist
- 500 Internal Server Error**
Internal server error

Create or update a relationship instances

POST /discovery/{datacenterArtifactId}/relationship/upload

Tags: [4 - Discovery](#)

Create or update a relationship instances

application/xml application/json

Relationship instances

[relationship-instances](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship instances successfully created

[relationship-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Relationship instance do not exist

500 Internal Server Error

Internal server error

Start discovery, only for the given datacenter

POST /discovery/{datacenterArtifactId}/start

Tags: [4 - Discovery](#)

Start discovery, only for the given datacenterArtifactId. A start for a datacenter cannot be invoked if another start without artifacts is running.

datacenterArtifactId	Datacenter artifact id to which the start will be associated	path	string
X-Auth-Token	Authentication token	header	string

200 OK

Stat flag has been created

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Start has been done before

500 Internal Server Error

Internal server error

Invalidate a start, only for the given datacenter

POST /discovery/{datacenterArtifactId}/start/invalidation

Tags: [4 - Discovery](#)

This operation allows to invalidate a previous start (for a specific datacenter), so new starts can be invoked. This operation cannot be invoked if a stop has been already done for that datacenter.

datacenterArtifactId	Datacenter artifact id to which we want to invalidate the start	path	string
X-Auth-Token	Authentication token	header	string

200 OK

Stat flag has been created

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Stop has been done before

500 Internal Server Error

Internal server error

Stop discovering datacenters, only for the given datacenter

POST /discovery/{datacenterArtifactId}/stop

Tags: [4 - Discovery](#)

Stop discovering datacenters, only for the given datacenterArtifactId. A stop for a datacenter cannot be invoked if another stop (global or specific) is running.

datacenterArtifactId	Datacenter artifact id to which the stop will be associated	path	string
X-Auth-Token	Authentication token	header	string

200 OK

Asynchronous discovering resource quota is doing

403 Forbidden

Authentication error. Is token missing?

409 Conflict

Stop has been done before

500 Internal Server Error
Internal server error

Upload artifact instances and relationships instances

POST /discovery/{datacenterArtifactId}/upload

Tags: [4 - Discovery](#)

Upload artifact instances and relationships instances

application/xml application/json

Instance to create

[instance](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact instances and relationships instances successfully created
[instance](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Update artifact instances and relationships instances

PUT /discovery/{datacenterArtifactId}

Tags: [4 - Discovery](#)

Update artifact instances and relationships instances

application/xml application/json

Instance to create

[instance](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact instances and relationships instances successfully updated
[instance](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Element does not exist

500 Internal Server Error
Internal server error

Update a set of artifact instances

PUT /discovery/{datacenterArtifactId}/artifact

Tags: [4 - Discovery](#)

Update a set of artifact instances

application/xml application/json

Artifact instances set

[artifact-instances](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK
Artifact instances successfully updated
[artifact-instances](#)

400 Bad Request
Bad request, check artifact instances format. Is it well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact instance does not exist

500 Internal Server Error
Internal server error

Updates an existing category of an artifact instance

PUT /discovery/{datacenterArtifactId}/artifact/{id}/{categoryName}

Tags: [4 - Discovery](#)

Updates an existing category of an artifact instance

Category

[category](#)

datacenterArtifactId	Datacenter artifact id	path	string
id	Internal artifact instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Category successfully updated

[artifact-instance](#)

400 Bad Request

Bad request, check input parameter. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance or category or attribute not found

500 Internal Server Error

Internal server error

Updates an existing attribute of an artifact instance

PUT

/discovery/{datacenterArtifactId}/artifact/{id}/{categoryName}/{attributeName}

Tags: [4 - Discovery](#)

Updates an existing attribute of an artifact instance

datacenterArtifactId	Datacenter artifact id	path	string
id	Internal artifact instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Attribute successfully updated

[artifact-instance](#)

400 Bad Request

Bad request, check input parameter. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance or category or attribute not found

500 Internal Server Error

Internal server error

Update a relationship instances

PUT /discovery/{datacenterArtifactId}/relationship

Tags: [4 - Discovery](#)

Update a relationship instances

application/xml application/json

Relationship instances set

[relationship-instances](#)

datacenterArtifactId	Datacenter artifact id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship instances successfully updated

[relationship-instances](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Relationship instances do not exist

500 Internal Server Error

Internal server error

Update a category of the given relationship instance

PUT /discovery/{datacenterArtifactId}/relationship/{id}/{categoryName}

Tags: 4 - [Discovery](#)

Update a category of the given relationship instance

Category

[category](#)

datacenterArtifactId	Datacenter artifact id	path	string
id	Relationship instance id	path	string
categoryName	Category name	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship instance successfully updated

[relationship-instance](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Update an attribute of the given category of the given relationship instanc

PUT

/discovery/{datacenterArtifactId}/relationship/{id}/{categoryName}/{attributeName}

Tags: 4 - [Discovery](#)

Update an attribute of the given category of the given relationship instance

datacenterArtifactId	Datacenter artifact id	path	string
id	Relationship instance id	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Relationship instance successfully updated

[relationship-instance](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Delete one single artifact instance by id

DELETE /discovery/{datacenterArtifactId}/artifact/{id}

Tags: 4 - [Discovery](#)

Delete one single artifact instance by id

datacenterArtifactId	Datacenter artifact id	path	string
id	Internal artifact instance id	path	string
X-Auth-Token	Authentication token	header	string

204 No Content

Artifact instance successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance does not exist

500 Internal Server Error

Internal server error

Delete a relationship instance by parent, child and type

DELETE /discovery/{datacenterArtifactId}/relationship

Tags: [4 - Discovery](#)

Delete a relationship instance by parent, child and type

datacenterArtifactId	Datacenter artifact id	path	string
parentArtifactInstanceId	Parent artifact id	query	string
childArtifactInstanceId	Child artifact id	query	string
relationshipType	Relationship type	query	string
X-Auth-Token	Authentication token	header	string

204 No Content

Relationship instance successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Element does not exist

500 Internal Server Error

Internal server error

Invoke an operation

POST /operations

Tags: [5 - Operations Management](#)

If the invocation is asynchronous returns the id of the operation that can be used with the getResult operation

application/xml application/json

Parameters to make the operation

[operation-request](#)

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Operation successfull

[operation-response](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Operation not found

500 Internal Server Error

Error in sosa communication

Gets all operations

GET /operations/catalog

Tags: [5 - Operations Management](#)

Gets all operations.

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Operation successfull

[operations](#)

500 Internal Server Error

Internal error

Gets all SOSA operations

GET /operations/sosa/catalog

Tags: [5 - Operations Management](#)

Gets all SOSA operations.

X-Auth-Token	Authentication token	header	string
application/xml application/json			

200 OK

Operation successfull

[operations](#)

500 Internal Server Error

Internal error

Get operation result

GET /operations/{id}

Tags: [5 - Operations Management](#)

This operation is for asynchronous operation. It return the response if the operation has finished.

id	ID returned by asynchronous invoke	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Operation successfull
[operation-response](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Operation not found

500 Internal Server Error
Internal error / SYNC type (This operation is only available for ASYNC operations)

Get info

GET /product

Tags: [6 - Product management](#)

Get info.

includeRoots	includeRoots	query	string false
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Entity readed
[instances-info](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

500 Internal Server Error
Internal server error

Upload Modes

POST /product/modes

Tags: [6.1 - Operational modes management](#)

Upload Modes.

application/xml application/json

Modes arttifacts set

[instances](#)

X-Auth-Token	Authentication token	header	string
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application/xml application/json

200 OK
Modes srtifacts successfully created
[instances](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact not found

500 Internal Server Error
Internal server error

Get info

GET /product/modes

Tags: [6.1 - Operational modes management](#)

Get info.

includeRoots	includeRoots	query	string false
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK
Entity readed
[instances-info](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

500 Internal Server Error
Internal server error

Get instance info

GET /product/modes/{entityId}

Tags: [6.1 - Operational modes management](#)

Get instance info.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
data	Amount of data to fetch. One of [xlite,xliteroot,lite,medium,full]	query	string full
X-Auth-Token	Authentication token	header	string
application/xml application/json			
200 OK			
Entity readed			
instance			
400 Bad Request			
Bad request, check input parameters. Are they well formed?			
500 Internal Server Error			
Internal server error			

Get entity children

GET /product/modes/{entityId}/children

Tags: [6.1 - Operational modes management](#)

Get entity children.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
type	Type	query	string
includeRoots	Include roots	query	string false
X-Auth-Token	Authentication token	header	string
application/xml application/json			
200 OK			
Success			
instances-info			
400 Bad Request			
Bad request, check input parameters. Are they well formed?			
404 Not Found			
Not found			
500 Internal Server Error			
Internal server error			

Get entity child

GET /product/modes/{entityId}/children/{childId}

Tags: [6.1 - Operational modes management](#)

Get entity child.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
data	Amount of data to fetch. One of [xlite,xliteroot,lite,medium,full]	query	string full
X-Auth-Token	Authentication token	header	string
application/xml application/json			
200 OK			
Success			
instance			
400 Bad Request			
Bad request, check input parameters. Are they well formed?			
404 Not Found			
Not found			
500 Internal Server Error			
Internal server error			

Get artifact from child

GET /product/modes/{entityId}/children/{childId}/{artifactId}

Tags: [6.1 - Operational modes management](#)

Get entity children.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string
application/xml application/json			
200 OK			
Success			
artifact-instance			
400 Bad Request			
Bad request, check input parameters. Are they well formed?			
404 Not Found			

Not found

500 Internal Server Error
Internal server error

Get artifact instance from entity

GET /product/modes/{entityId}/{artifactId}

Tags: [6.1 - Operational modes management](#)

Get artifact instance from entity.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK
Success
[artifact-instance](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

404 Not Found
Artifact instance not found

500 Internal Server Error
Internal server error

Update entity

PUT /product/modes/{entityId}

Tags: [6.1 - Operational modes management](#)

Update entity.

application/xml application/json
[instance](#)

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK
Entity successfully updated
[instance](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Entity not found

500 Internal Server Error
Internal server error

Update child entity

PUT /product/modes/{entityId}/children/{childId}

Tags: [6.1 - Operational modes management](#)

Update child entity.

application/xml application/json
Instance
[instance](#)

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	Child id	path	string
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK
Children entity successfully updated
[instance](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Children entity not found

500 Internal Server Error
Internal server error

Update name and description

PUT /product/modes/{entityId}/children/{childId}/rename

Tags: [6.1 - Operational modes management](#)

Update name and description.

application/xml application/json

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
name	Name	query	string
description	Description	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

204 No Content

Updated successful

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance not found

500 Internal Server Error

Internal server error

Update artifact instance of child entity

PUT /product/modes/{entityId}/children/{childId}/{artifactId}

Tags: [6.1 - Operational modes management](#)

Update artifact instance of child entity.

application/xml application/json

New artifact instance value

[artifact-instance](#)

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Artifact instance successfully updated

[artifact-instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance not found

500 Internal Server Error

Internal server error

Update category

PUT

/product/modes/{entityId}/children/{childId}/{artifactId}/{categoryName}

Tags: [6.1 - Operational modes management](#)

Update category with given name.

application/xml application/json

Category to update

[category](#)

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
categoryName		path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Category name successfully updated

[artifact-instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance not found

500 Internal Server Error
Internal server error

Update attribute

PUT

/product/modes/{entityId}/children/{childId}/{artifactId}/{categoryName}/{attributeName}

Tags: [6.1 - Operational modes management](#)

Update attribute with the given name and under the given category.
application/xml application/json

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Updated attribute value
[artifact-instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Artifact instance not found

500 Internal Server Error

Internal server error

Update child entity

PUT /product/modes/{entityId}/{artifactId}

Tags: [6.1 - Operational modes management](#)

Update child entity.
application/xml application/json
Entity to update
[artifact-instance](#)

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Children entity successfully updated
[artifact-instance](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Children entity not found

500 Internal Server Error

Internal server error

Update category for an artifact instance

PUT /product/modes/{entityId}/{artifactId}/{categoryName}

Tags: [6.1 - Operational modes management](#)

Update artifact instance of child entity.
application/xml application/json
Category to update
[category](#)

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
categoryName	New category name value	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Artifact instance successfully updated
[artifact-instance](#)
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact instance not found
- 500 Internal Server Error**
Internal server error

Updating attribute value

PUT /product/modes/{entityId}/{artifactId}/{categoryName}/{attributeName}

Tags: [6.1 - Operational modes management](#)
Updating attribute value.
application/xml application/json

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
artifactId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
categoryName	Category name	path	string
attributeName	Attribute name	path	string
value	Attribute value	query	string
X-Auth-Token	Authentication token	header	string

- 200 OK**
Attribute name successfully updated
[artifact-instance](#)
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact instance not found
- 500 Internal Server Error**
Internal server error

Delete entity

DELETE /product/modes/{entityId}

Tags: [6.1 - Operational modes management](#)
Delete an entity.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string

- 204 No Content**
Delete successful
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact instance not found
- 500 Internal Server Error**
Internal server error

Delete child entity

DELETE /product/modes/{entityId}/children/{childId}

Tags: [6.1 - Operational modes management](#)
Delete the given child entity.

entityId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
childId	[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}	path	string
X-Auth-Token	Authentication token	header	string

- 204 No Content**
Delete successful
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Artifact instance not found

500 Internal Server Error
Internal server error

Create a template

POST /product/catalog

Tags: [6.2 - Template catalog](#)
Create a template and attach it to the catalog.
application/xml application/json
Template to create
[template](#)

X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Success
[template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error
Internal server error

Create a template from a temporal template

POST /product/catalog/temporal

Tags: [6.2 - Template catalog](#)
Create a template copying the given temporal template, and attach it to the catalog.
application/xml application/json
Temporal template to copy
[temporal-template](#)

overwrite Override query boolean
visibility Visibility. At least one from
[base,designed,palette,tabs,vdc_manager,vnf_designer,vnfc_designer,private,public] query string[] , multiple parameters
(visibility=aaa&visibility=bbb)
X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Success
[temporal-template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error
Internal server error

Upload template tree

POST /product/catalog/upload

Tags: [6.2 - Template catalog](#)
Upload template tree.
application/xml application/json
Template to upload
[templates](#)

X-Auth-Token Authentication token header string
application/xml application/json

200 OK

Success
[templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error
Internal server error

Attach template to a resource

POST /product/catalog/{templateId}/attach

Tags: [6.2 - Template catalog](#)

Attach template to a resource.

templateId	Template id	path	string
X-Auth-Token	Authentication token	header	string

200 OK

Success

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Detach template from a resource

POST /product/catalog/{templateId}/detach

Tags: [6.2 - Template catalog](#)

Detach template from a resource.

templateId	Template id	path	string
X-Auth-Token	Authentication token	header	string

200 OK

Success

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Get catalog

GET /product/catalog

Tags: [6.2 - Template catalog](#)

Get catalog.

type	Type	query	string[] , multiple parameters (type=aaa&type=bbb)
visibility	Visibility. At least one from [base,designed,palette,tabs,vdc_manager,vnf_designer,vnfc_designer,private,public]	query	string[] , multiple parameters (visibility=aaa&visibility=bbb)
includeRoots	Include roots	query	string false
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Catalog successful

[templates-info](#)

403 Forbidden

Authentication error. Is token missing?

404 Not Found

No subtemplates found

500 Internal Server Error

Internal server error

Download templates

GET /product/catalog/download

Tags: [6.2 - Template catalog](#)

Download templates.

depth	Depth level to search	query	integer (int32) 10
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Success

[templates](#)

403 Forbidden

Authentication error. Is token missing?

500 Internal Server Error
Internal server error

Download a template

GET /product/catalog/download/{templateId}

Tags: 6.2 - [Template catalog](#)

Download the template tree with the given id.

templateId	Template id	path	string
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Success
[templates](#)

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Template not found

500 Internal Server Error
Internal server error

Get catalog template

GET /product/catalog/{templateId}

Tags: 6.2 - [Template catalog](#)

Get catalog template.

templateId	Template id	path	string
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Success
[template](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Artifact not found

500 Internal Server Error
Internal server error

Get temporal component copy

GET /product/catalog/{templateId}/temporal

Tags: 6.2 - [Template catalog](#)

Get temporal component copy.

templateId	Template id	path	string
visibility	Visibility. At least one from [base,designed,palette,tabs,vdc_manager,vnf_designer,vnfc_designer,private,public]	query	string[] , multiple parameters (visibility=aaa&visibility=bbb)
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Success
[temporal-template](#)

400 Bad Request
Bad request, check input parameters. Are they well formed?

403 Forbidden
Authentication error. Is token missing?

404 Not Found
Template not found

500 Internal Server Error
Internal server error

Merge temporal template

PUT /product/catalog/temporal

Tags: 6.2 - [Template catalog](#)

Merge temporal template.

application/xml application/json

Temporal template to merge

[temporal-template](#)

templateId	Template id	query	string
noConnect	No connect to resource	query	boolean
sourceTemplateId	Source template id	query	string
includeConnector	Include connector	query	string[] , multiple parameters (includeConnector=aaa&includeConnector=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Success

[templates](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Modify catalog template

PUT /product/catalog/{templateId}

Tags: [6.2 - Template catalog](#)

Modify catalog template.

application/xml application/json

Template to modify

[template](#)

templateId	Template id	path	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Success

[template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Delete a component from a templral template

DELETE /product/catalog/temporal

Tags: [6.2 - Template catalog](#)

Delete a component from a templral template.

[temporal-template](#)

templateId	Template id	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Success

[temporal-template](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Connect and disconnect

DELETE /product/catalog/{templateId}

Tags: [6.2 - Template catalog](#)

Connect and disconnect.

templateId		path	string
X-Auth-Token	Authentication token	header	string

- 204 No Content**
Success
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Bad request
- 500 Internal Server Error**
Internal server error

Connect and disconnect

PATCH /product/catalog/temporal

Tags: [6.2 - Template catalog](#)

Connect and disconnect.

application/xml application/json

Temporal template to connect

[temporal-template](#)

sourceComponentId	Source component id	query	string
sourceArtifactId	Source artifact ids	query	string[] , multiple parameters (sourceArtifactId=aaa&sourceArtifactId=bbb)
pluggedComponentId	Plugged component ids	query	string[] , multiple parameters (pluggedComponentId=aaa&pluggedComponentId=bbb)
pluggedArtifactId	Plugged artifact ids	query	string[] , multiple parameters (pluggedArtifactId=aaa&pluggedArtifactId=bbb)
unpluggedComponentId	Unplugged components ids	query	string[] , multiple parameters (unpluggedComponentId=aaa&unpluggedComponentId=bbb)
unpluggedArtifactId	Unplugged artifact ids	query	string[] , multiple parameters (unpluggedArtifactId=aaa&unpluggedArtifactId=bbb)
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
Success
[temporal-template](#)
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Bad request
- 500 Internal Server Error**
Internal server error

Get CPUs from Datacenters

GET /datacenters/query/cpu

Tags: [7 - Datacenters](#)

Get CPU:GENERIC artifacts under all Datacenters, filtering from the given artifactId.

fromArtifactId	Artifact from which filter. It can be of these types: RESOURCE_POOL, DATACENTER, VIM, REGION or AVAILABILITY_ZONE	query	string
sort	Order of the returned the CPUs. If empty, the order is random. Any other value gets the CPUS ordered by domain, artifact, server and resource type (other ordering options are pending to implement)	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

- 200 OK**
CPUs successfully obtained
[artifact-instances](#)
- 400 Bad Request**
Bad request, check input parameters. Are they well formed?
- 403 Forbidden**
Authentication error. Is token missing?
- 404 Not Found**
Element does not exist
- 500 Internal Server Error**
Internal server error

Chapter 10 Schema definitions

artifact-definition: object

family: string
 category: string
 group: string
 type: string
 subtype: string
 version: string
 physical: boolean
 enabled: boolean
 artifactDefinitionStatus: object[]
 [status](#)
 artifactDefinitionCategories: object[]
 [category](#)
 uri: string
 internal-id: string

artifact-definitions: object

artifactDefinitions: object[]
 [artifact-definition](#)

artifact-ids: object

id: string[]
 string

artifact-instance: object

id: string
 identifier: string
 physical: boolean
 categories: object[]
 [category](#)
 uri: string
 artifact-definition: [artifact-definition](#)
 artifact-version: string
 status: [status](#)
 creation-timestamp: string (date-time)
 update-timestamp: string (date-time)
 artifact-template-id: string
 internal-id: string

artifact-instances: object

artifact-instance: object[]
 [artifact-instance](#)

artifact-template: object

id: string
 identifier: string
 physical: boolean
 categories: object[]
 [category](#)
 uri: string
 artifact-version: string
 artifact-definition: [artifact-definition](#)
 status: [status](#)
 creation-timestamp: string (date-time)
 update-timestamp: string (date-time)
 internal-id: string

artifact-templates: object

artifactTemplates: object[]
 [artifact-template](#)

ArtifactDefinition:

[artifact-definition](#)

ArtifactInstance:

[artifact-instance](#)

ArtifactTemplate:

[artifact-template](#)

attribute: object

type: [type](#)

unit: [unit](#)

label: string

order: integer (int32)

mandatory: boolean

default-value: string

description: string

attribute-definition: object

label: string

order: integer (int32)

mandatory: boolean

default-value: string

description: string

type: string

unit: string

attribute-definitions: object

attribute: object[]

[attribute-definition](#)

attributes: object

attribute: object[]

[attribute](#)

categories: object

category: object[]

[category](#)

category: object

order: integer (int32)

attributes: object[]

[attribute](#)

label: string

category-definition: object

label: string

order: integer (int32)

attributes: [attribute-definitions](#)

category-definitions: object

category: object[]

[category-definition](#)

component-info: object

visible: [visible](#)

source: string

connectors: [connectors](#)

connector: object

artifact-ids: [artifact-ids](#)

relationship-definition: [simple-relationship-definition](#)

name: string

type: string

relationship-status: [status](#)

connector-restrictions: [ConnectorRestriction](#)

ConnectorRestriction: object

exclusion: string[]
string

inclusion: string[]
string

connectors: object

connector: object[]
connector

definitions: object

language-code: string

artifact-definitions: [artifact-definitions](#)

relationship-definitions: [relationship-definitions](#)

elements: object

artifact-instances: [artifact-instances](#)

relationship-instances: [relationship-instances](#)

Instance:

[instance](#)

instance: object

id: string

name: string

type: string

description: string

subgroups: object[]
[instance](#)

rootArtifacts: string[]
string

artifactInstanceSet: object[]
[artifact-instance](#)

relationshipInstanceSet: object[]
[relationship-instance](#)

uri: string

language-code: string

source-template: string

internal-id: string

instance-info: object

id: string

name: string

type: string

description: string

root-artifacts: [root-artifacts](#)

artifact-instances: [artifact-instances](#)

source-template: string

uri: string

internal-id: string

instance-trees: object

instances: object[]
[instance](#)

InstanceInfo:

[instance-info](#)

instances: object

elements: [elements](#)

instance-trees: [instance-trees](#)

instances-info: object

instance-info: object[]
[instance-info](#)

operation: object

name: string
 type: string
 subtype: string
 comm-type: string
 mode: string
 hr-name: string
 sosa-operation-id: string
 operation-configs: [operation-configs](#)
 uri: string
 internal-id: string

operation-config: object

scope: string
 operation-permission: string
 trackable: boolean
 retryable: boolean
 rollbackable: boolean
 lock-key: string

operation-configs: object

operation-config: object[]
[operation-config](#)

operation-request: object

operation: string
 type: string
 inputParams: object[]
[parameter](#)
 subtype: string
 communication-type: string , x ∈ { ASYNC , SYNC }

operation-response: object

code: integer (int32)
 description: string
 id: string
 start-timestamp: string (date-time)
 finish-timestamp: string (date-time)
 delivery-timestamp: string (date-time)
 output-params: object[]
[parameter](#)

operations: object

operation: object[]
[operation](#)

parameter: object

key: string
 value: string

relationship-definition: object

enabled: boolean
 categories: [category-definitions](#)
 available-status: [status-list](#)
 uri: string
 type: string
 internal-id: string
 parent-artifact-definition: [SimpleArtifactDefinition](#)
 child-artifact-definition: [SimpleArtifactDefinition](#)

relationship-definitions: object

relationship-definition: object[]
[relationship-definition](#)

relationship-instance: object

categories: object[]
 category
 uri: string
 status: **status**
 creation-timestamp: string (date-time)
 update-timestamp: string (date-time)
 parent-artifact-id: string
 child-artifact-id: string
 relationship-type: string
 internal-id: string

relationship-instances: object

relationship-instance: object[]
 relationship-instance

relationship-template: object

categories: object[]
 category
 uri: string
 status: **status**
 creation-timestamp: string (date-time)
 update-timestamp: string (date-time)
 parent-artifact-id: string
 child-artifact-id: string
 relationship-type: string
 internal-id: string

relationship-templates: object

relationshipTemplates: object[]
 relationship-template

RelationshipDefinition:

 relationship-definition

RelationshipInstance:

 relationship-instance

RelationshipTemplate:

 relationship-template

restriction: object

type: string
 visibilityScope: string[]
 string
 restrictionValuesString: string[]
 string

restrictions: object

restriction: object[]
 restriction

root-artifacts: object

artifact-id: string[]
 string

simple-relationship-definition: object

type: string
 parent-artifact-definition: **SimpleArtifactDefinition**
 child-artifact-definition: **SimpleArtifactDefinition**

SimpleArtifactDefinition: object

family: string
 category: string
 group: string

type: string
 subtype: string
 version: string

status: object

enabled: boolean
 label: string
 visible-label: string

status-list: object

status: object[]
[status](#)

subinstances: object

instance: object[]
[instance](#)

subtemplates: object

template: object[]
[template](#)

Template:

[template](#)

template: object

id: string
 name: string
 type: string
 description: string
 subgroups: object[]
[template](#)
 rootArtifacts: string[]
 string
 artifactTemplateSet: object[]
[artifact-template](#)
 relationshipTemplateSet: object[]
[relationship-template](#)
 uri: string
 component-info: [component-info](#)
 language-code: string
 internal-id: string

template-info: object

id: string
 name: string
 type: string
 description: string
 component-info: [component-info](#)
 root-artifacts: [root-artifacts](#)
 artifact-templates: [artifact-templates](#)
 uri: string
 internal-id: string

template-trees: object

templates: object[]
[template](#)

TemplateInfo:

[template-info](#)

templates: object

elements: [elements](#)
 template-trees: [template-trees](#)

templates-info: object

template-info: object[]

template-info

temporal-template: object

template: [template](#)

type: object

value: string

unit: object

value: string

uuids: object

uuid: string[]

string

values: object

value: string[]

string

visible: object

scope: string[]

string

