

# Dimensions

## Create

Create a dimension. The UUID for the dimension element will be automatically assigned if you do not generate one. UUIDs for elements inside the dimension element must be specified (hierarchy, level, attribute-ref).

## HTTP REQUEST: POST

```
POST /api/1.0/org/{orgId}/project/{projectId}/dimension
```

### URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID (UUID) for which you are querying.

### RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.
500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

Request Body

```
{
  "description": "",
  "name": "Postal code dimension",
  "caption": "Postal code dimension",
  "datasetId": "97ebf1ef-9cb3-48a6-6e66-80f70c4d43c7",
  "levelName": "Postal code dimension",
  "keyColumns": [
    "postalcode"
  ],
  "valueColumn": "country",
  "type": "Other",
  "unique": false,
  "visible": true,
  "cubeld": "001529c1-cb00-4900-7699-116591eee845"
}
```

200 Reponse Body

```
{
  "status": {
    "code": 200,
    "i18n_message": "response.ok",
    "message": "ok"
  },
  "response": {
    "id": "abc123"
  },
  "time_to_process": "1.1 seconds"
}
```

## Update

In-place update a dimension by passing in a new JSON representation of the Dimension.

## HTTP REQUEST: PUT

```
PUT /api/1.0/org/{orgId}/project/{projectId}/dimension/{dimensionId}
```

### URI PARAMETERS

Name	Type	Description

orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID (UUID) for which you are querying.
dimensionId	string	The Dimension ID (UUID) for which you are querying.

## RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.
500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

### 200 Reponse Body

```
{
  "status": {
    "code": 200,
    "i18n_message": "response.ok",
    "message": "ok"
  },
  "response": {
    "id": "abc123"
  },
  "time_to_process": "1.1 seconds"
}
```

## Read From Both Global And All Cubes

This API call searches across the entire global space and across all defined cubes to find the Dimension.

# HTTP REQUEST: GET

```
GET /api/1.0/org/{orgId}/project/{projectId}/dimension/{dimensionId}/all
```

## URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID (UUID) for which you are querying.
dimensionId	string	The Dimension ID (UUID) for which you are querying.

## RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.
500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

200 Reponse Body

```
{
  "status": {
    "code": 200,
    "i18n_message": "response.ok",
    "message": "ok"
  },
  "response": {
    "id": "abc123"
  },
  "time_to_process": "1.1 seconds"
}
```

## Read From Global Scope

### HTTP REQUEST: GET

```
GET /api/1.0/org/{orgId}/project/{projectId}/dimension/{dimensionId}/global
```

#### URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID (UUID) for which you are querying.
dimensionId	string	The Dimension ID (UUID) for which you are querying.

#### RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.

500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

## 200 Reponse Body

```
{
  "status": {
    "code": 200,
    "i18n_message": "response.ok",
    "message": "ok"
  },
  "response": {
    "id": "abc123"
  },
  "time_to_process": "1.1 seconds"
}
```

## Read From Cube Scope

### HTTP REQUEST: GET

```
GET /api/1.0/org/{orgId}/project/{projectId}/dimension/{dimensionId}/cube/{cubeId}
```

#### URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID (UUID) for which you are querying.
dimensionId	string	The Dimension ID (UUID) for which you are querying.
cubeId	string	The Cube ID (UUID) for which you are querying.

#### RESPONSES

Code	Description
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200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.
500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

#### 200 Reponse Body

```
{
  "status": {
    "code": 200,
    "i18n_message": "response.ok",
    "message": "ok"
  },
  "response": {
    "id": "abc123"
  },
  "time_to_process": "1.1 seconds"
}
```