This article provides sample API calls to manipulate Dimensions.

PREREQUISITES:

- Set up API access. NOTE: For the User API you must also enable User Management access.
- Verify that you have API access
- Obtain a token via a get token call since all API calls require a token

1. Fetch Dimension Information

Retrieve key data about specific Dimension.

1. Item: dimension
2. Method: GET
3. ID: Specify ID of the dimension you need to get more information about
4. Run request
1.1. Create Dimension

1. **Item**: dimension
2. **Method**: POST
3. **ID**: Find an existing Dimension that you wish to use as a foundation for new Alert. To see the list of all Dimensions created in the system, select GET method, keep this field empty and **Run request**
4. Define parameters of the new dimension
5. **Run Request**
2. Fetch Dimension Value Information

Retrieve key data about specific Dimension.

1. **Item:** `dimension_value`
2. **Method:** `GET`
3. **ID:** Specify ID of the Dimension Value you need to get more information about
4. **Run request**
2.1. Create Dimension Value

1. **Item:** dimension_value
2. **Method:** POST
3. **ID:** Find an existing Dimension Value that you wish to use as a foundation for new Alert. To see the list of all Dimension Values created in the system, select GET method, keep this field empty and Run request
4. **dimension:** Specify ID of the Dimension where you need to create a new Value
5. **name / key_value_varchar:** Define a descriptive name of a new Dimension value
6. **visible_in_dashboard:** yes / no
7. Run Request

2.2. Create Compound Dimension Value

**API:**

```
https://yourinstance.metricinsights.com/api/dimension_value
```

**Header:**

```
Accept: application/json
Token: UCIKUxUukbIe11cHLz3kyjbIZYVh9eB34A5Q21Y3FPqKGSJs
```

**POST body payload:**
{  "dimension": "17",  "primary_dimension_value": "16345",  "secondary_dimension_value": "13560",  "visible_in_dashboard": "Yes"}

Response:

{"dimension_value":{"dimension":"17","primary_dimension_value":"16345","secondary_dimension_value":"13560","visible_in_dashboard":"Yes"}}

3. Get all Dimension information (for Metric / Multi-metric / Report)

This API call can be used to get metric data along with all data related to all Dimension Value. **NOTE:** Dimension Values are returned as dimension IDs.

1. **Item:** metric_data / multimetric_data / report_data
2. **Method:** GET
3. **element:** *(numeric value)* Specify the ID of an you wish to get information about. Metric ID can be determined in the web browser URL of the Metric Viewer (Multi-Metric Viewer or Report Viewer). For example:

https://demo.metricinsights.com/chart/index/index/element/29
4. **all_dimension_values**: "true". This parameter retrieves all data related to a specific dimension value

5. **API**:

   - **Dimensioned Metric**: https://demo.metricinsights.com/api/metric_data?element=<metric_id>&all_dimension_value=true
   - **Dimensioned Multi-metric**: https://demo.metricinsights.com/api/multimetric_data?element=<multimetric_id>&all_dimension_value=true

6. **Run request**

**4. Delete Dimension value**

1. **Item**: dimension_value
2. **Method**: DELETE
3. **ID**: Specify the Dimension Value you need to delete
4. **Run request**