# Retrieving data for a given Incorta insight

To retrieve the data for a given insight you need the following:

1. A Valid access token.
2. The dashboard GUID.
3. The insight GUID.
4. The request body. (Optional)

## Request:

POST https://<hostname>:<port>/incorta/api/v1/dashboards/<dashboard\_GUID>/insights/<insight\_GUID>/query

HTTP HEADER: "Authorization": "Bearer <your-access-token>"

Additionally, you can add the following request body:

If there is no request body present, the defaults will be used, the defaults are:

* The startRow/pageSize will be 0, 1000 respectively.

## Request Body:

{

"prompts": [

{

"field": "string",

"operator": "=",

"values": [

"string"

],

"options": {

"caseSensitive": true

},

"type": "dimension",

"variable": "string"

}

],

"pagination": {

"startRow": 0,

"pageSize": 0

},

"username": "base64.encode(loginName)"

}

“username” in the request payload is optional but, when present the insight data will be queried as if this user is the user calling the endpoint. This is similar to the user impersonation feature that can be done from Incorta UI so, same as impersonation, the endpoint caller should have a super role to be able to query insight data of other users.

**Note:** username in the request payload is the base64 encoded value of the login name used to login to Incorta

## Response Sample:

Below is a sample for the expected response from Incorta:

{

"response": {

"headers": {

"apiVersion": 1, // refers to the current API version

"totalRows": 2000,

"dimentions": [

{

"columnName": "dim1",

"dataType": "string",

"label": "",

"type": "col/row", // used to distinguish between pivot tables/normal 2D tables

"index": 0 // the position of this column in the data row

}

],

"measures": [

{

"columnName": "schema.measure\_col1",

"dataType": "integer",

"label": "some lable",

"index": 1,

"grandTotal": 10000

}

]

},

"data": [

["string1", 123],

[...]

]

}

}

* “data” it’s a 2D array where the first index represents the row number and the second index for the position of column or measure in that row
* “columnName” is the fully qualified name for the column (schemaName.tableName.columnName)
* "dataType" is the data type of the column inside incorta
* "label" is the label name given to the column
* “headers.dimensions.type”  is the type of the dimension whether “col” or “row” (to distinguish between grouping dimensions in case of aggregated tables like Pivot Table)
* “Index” is the position of the dimension or header in the 2nd dimension of the array
* “grandTotal” is the total sum of the measure

As seen in the request above, the dashboard could have a prompt. The endpoint /api/v1/dashboards/{dashboadGUID}/prompts is available to call with the access token in the request header authorization to get the dashboard promp

## Request:

POST https://<hostname>:<port>/incorta/api/v1/dashboards/<dashboard\_GUID>/prompts

HTTP HEADER: "Authorization": "Bearer <your-access-token>"

## Response Body:

{

"prompts": [

{

"dataType": "string",

"field": "string",

"function": "dimension",

"label": "string",

"operator": "string",

"defaultValues": [

"string"

],

"values": [

"string"

],

"variable": "string"

}

]

}