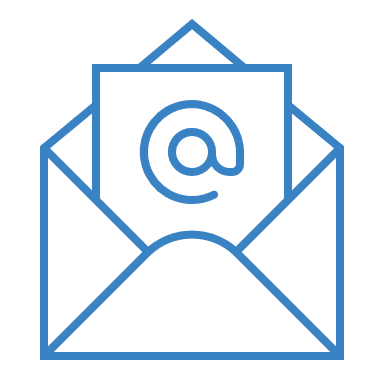
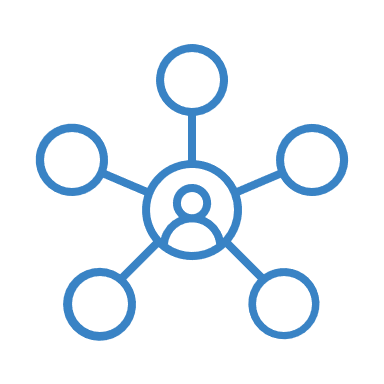


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API Guide

Reporting Extract Data

Strategy Module

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# Scope Of The Document

Exposing of the Reporting Data from the SPM Analytics API These API endpoints is currently consumed over the Dashboard application the same can be used to retrieve data externally,

User: supplied separately

Pwd: supplied separately

|  |  |
| --- | --- |
| Environment | BaseUrl |
| Production | <https://spm.uppwise.com/ReportingAPI_SPMAnalytics/api> |

# Versioning of the API

Some of the API has versioning implemented the purpose of the versioning was to not impact the existing layout created over the SPM Analytics Application. In this document we are considering the latest API that are available.

# API Parameters

To get the proper data from the API end points there is a need to pass the correct parameters to the API, there are few parameters that are necessary for the proper fetch of data from the API,

The API required below parameters

* **Token** – For the authentication to get the exposed data user with the Global Administrator rights.

# Default API Parameters Table

Please consider this table for all the Parameters API Endpoints.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Format | Mandatory | Default value |
| {token} | For the authentication to get the exposed data | String | Yes | Required to generate Please refer to the Authentication below= |

# Authentication

For all the data that is exposed through the SPM Analytics API for which a token is required, the token is generated through another API which is a POST request the token is valid as long as there is no change of the user credential if there is a change in user credential there is a need to generate a new token **api/v1/Authentication/GetJwtToken**

Below are the steps to generate a token for the SPM Analytics API

|  |  |
| --- | --- |
| **HTTP Method** | POST |
| **Endpoint** | **<** Base Url **>/v1/Authentication/GetJwtToken** |
| **HTTP Headers** | none |

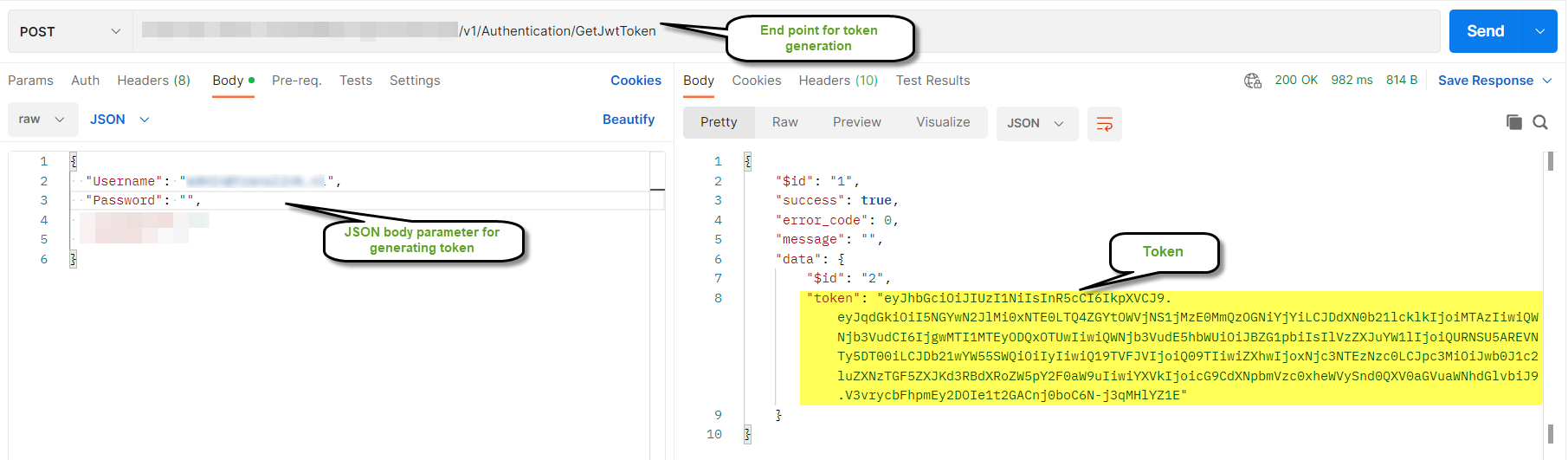
# Input Parameters

The method accepts a two Json body Parameter for the authentication

* username– the user with the Global Administrator rights
* password- the user password credentials

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Format | Mandatory | Default value |
| {username} | the user with the Global Administrator rights | String | Yes | Please consider the Default API Parameters Table |
| {password} | The user password credentials | String | Yes | Please consider the Default API Parameters Table |

* To generate a token the user credential is passed as the body parameter is in Json form.
* There are two Json property i.e. username and password
* The endpoint for the token generation is **<** BaseUrl **>/v1** **/Authentication/GetJwtToken**



# Output

On successfully authentication structure of the output JSON document returned from the API in which token key is present.

{

"$id": "1",

"success": **true**,

"error\_code": 0,

"message": "",

"data": {

"$id": "2",

"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJqdGkiOiIxZGE0ZjNiZC0yZTU3LTQ1M2ItYmY5NS05NTA5NzRhNWE1NWEiLCJDdXN0b21lcklkIjoiMCIsIkFjY291bnQiOiI4MDEyNTExMjg0MTk1MCIsIkFjY291bnROYW1lIjoiQWRtaW4iLCJVc2VybmFtZSI6IkFETUlOQFRSQU5TTElOSy5OTCIsIkNvbXBhbnlJZCI6IjIiLCJDX1NUUlUiOiJDT1MiLCJleHAiOjE2NzIzOTQ0MzUsImlzcyI6InBvQnVzaW5lc3NMYXllckp3dEF1dGhlbmljYXRpb24iLCJhdWQiOiJwb0J1c2luZXNzTGF5ZXJKd3RBdXRoZW5pY2F0aW9uIn0.anCHTRmVj144V0X5xuWuafWAUaV9\_eaGJXNl\_qVRfpI"

}

In case of any error during the authentication, the following JSON is returned

{

"$id": "1",

"success": **false**,

"error\_code": 2,

"message": "Invalid Credentials",

"data": **null**

}

# Token Generation from the Application

In SPM Application in on clicking on the user image My Preferences>General>SPM Integration the token is coming which will used in authenticaation.

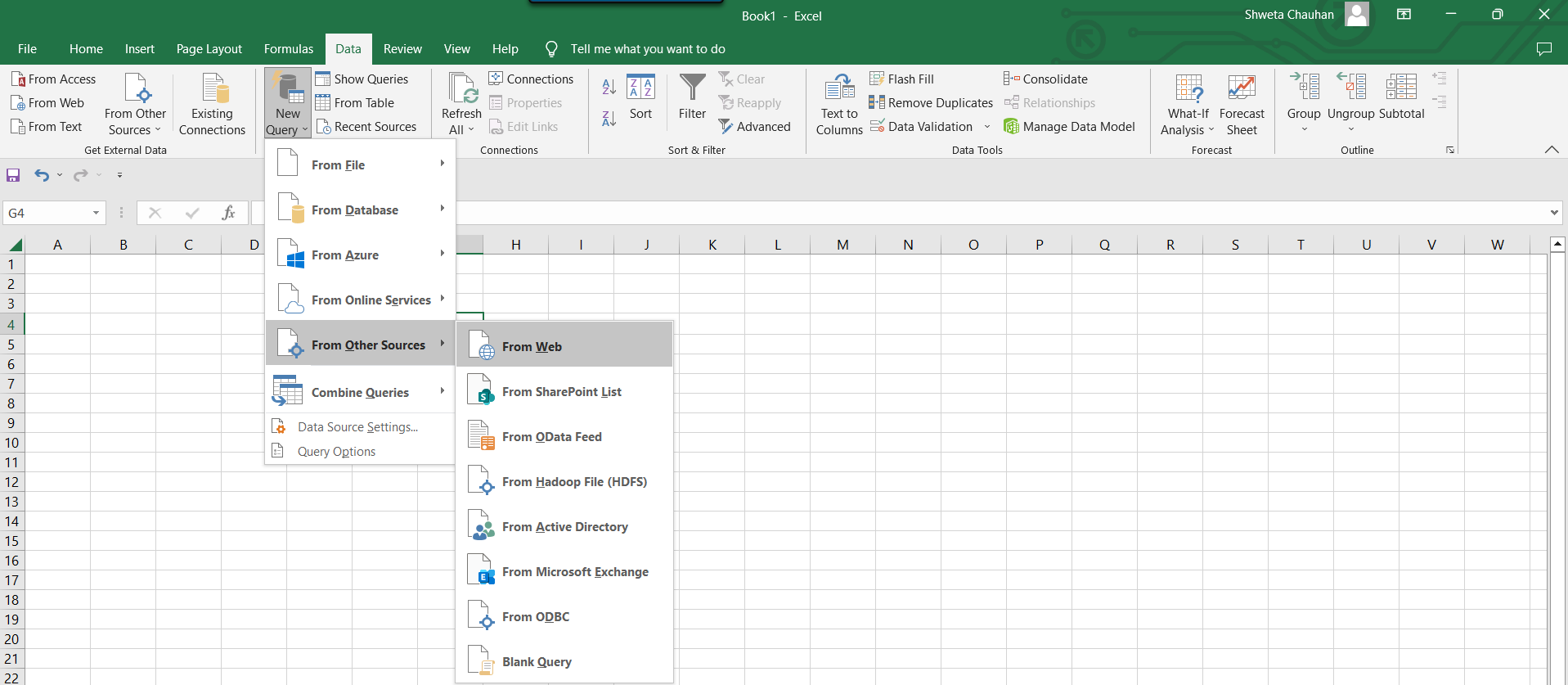
Graphical user interface, text, application

Description automatically generated

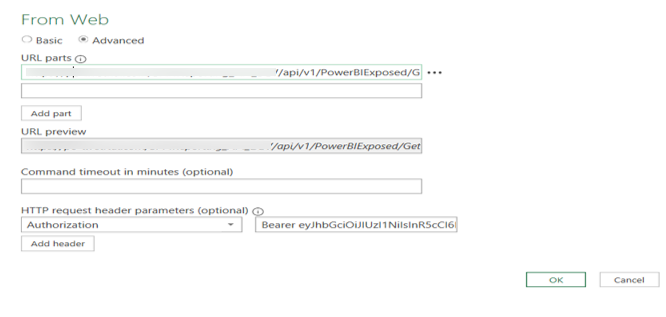
# How to connect to excel

Please follow the below Steps to connect Excel file.

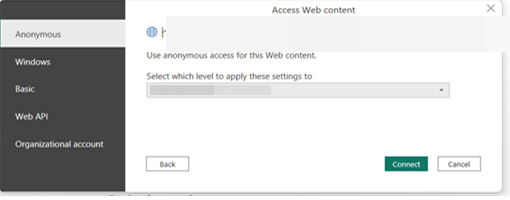
1. Open Excel file, go to the **data** tab.
2. Select “ **from web** ” option from **Get & transform** section/module( Refer to the below screenshot).



1. Choose advance option radio button.
2. Put the **endpoints link** in the Url parts form field.
3. Add header, Fill **authorization** inside HttpRequest header form field, and the field next to the authoriztion with **Bearer** keyword after giving a space paste the copied **token.**
4. Once the details get filled up click **Ok** button(Refer to the below screenshot).



1. After that you will get a window(Refer to the below screenshot), click on **connect** button.



1. Once you will get connected the below shown window will open.

Graphical user interface, application

Description automatically generated

1. Go to the convert tab and select **into table,** the data will shown into a table (refer to the below screenshot).

Graphical user interface, application, Word

Description automatically generated

1. Then select the value which you want to extract, for an example **data column value** from the above table, click on its value(**List**) the vaues will be expand (refer to the below screenshot).

Graphical user interface, application

Description automatically generated

1. Right click over the **list** column select **to table** option.

Graphical user interface, application, table

Description automatically generated

1. Click on the expanded icon on the left side of column, select the columns you want to display and click **ok** button.

Graphical user interface, application, Word

Description automatically generated

1. After expanding the column, you will get your entire details of a record respectively.

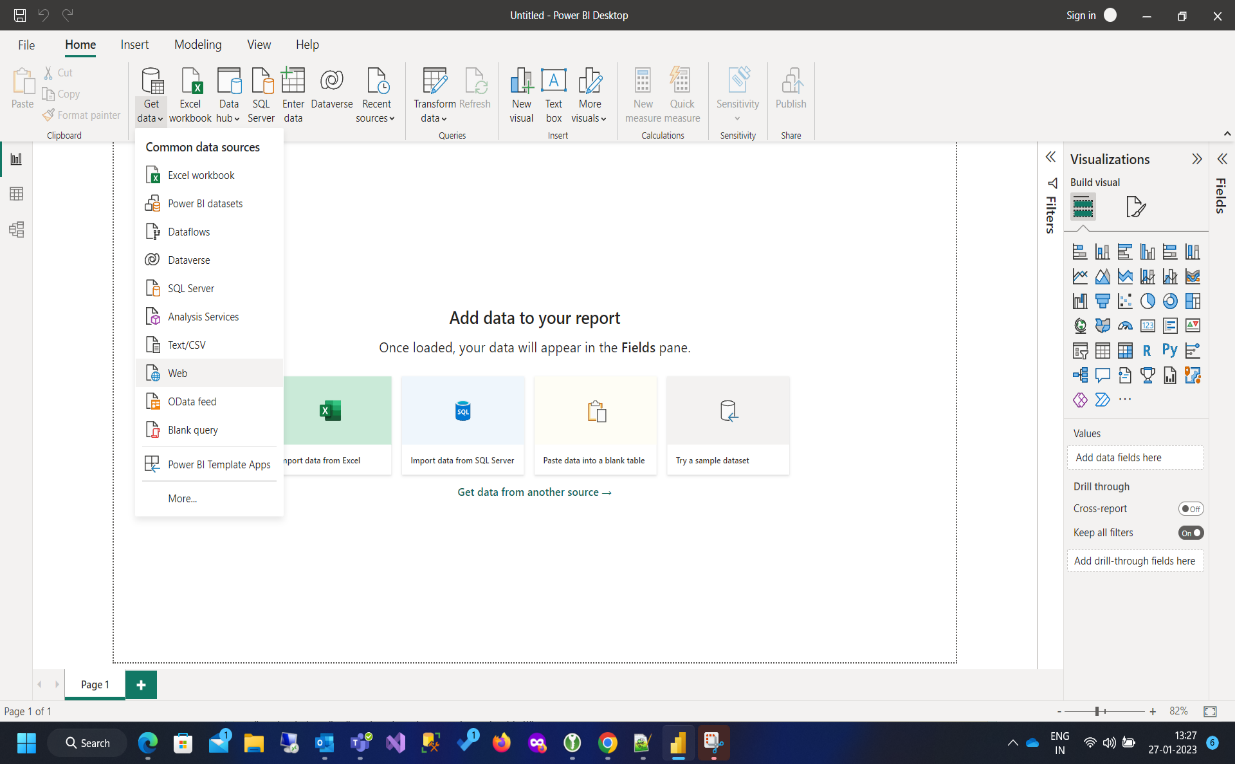
A screenshot of a computer

Description automatically generated with medium confidence

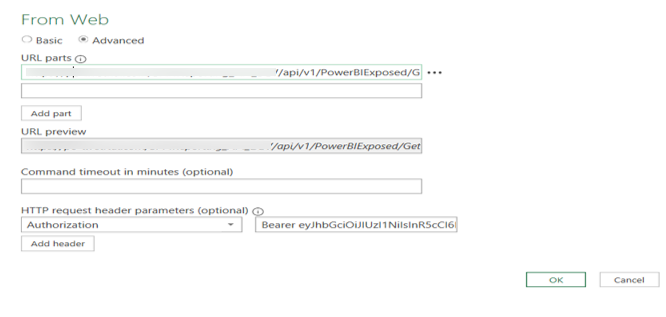
# How to connect to power BI tool

Please follow the below Steps to connect to power BI tool.

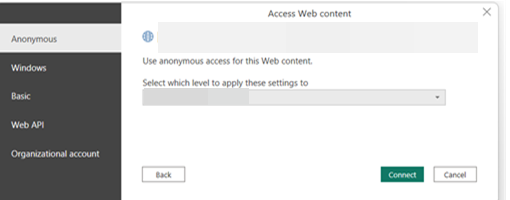
1. Open Excel file, go to the **Get** **data** tab.
2. Select “ **web** ” option from **Data** section/module( Refer to the below screenshot).



1. Choose advance option radio button.
2. Put the **endpoints link** in the Url parts form field.
3. Add header, Fill **authorization** inside HttpRequest header form field, and the field next to the authoriztion with **Bearer** keyword after giving a space paste the copied **token.**
4. Once the details get filled up click **Ok** button(Refer to the below screenshot).



1. After that you will get a window(Refer to the below screenshot), click on **connect** button.



1. Once you will get connected the below shown window will open.

Graphical user interface, application

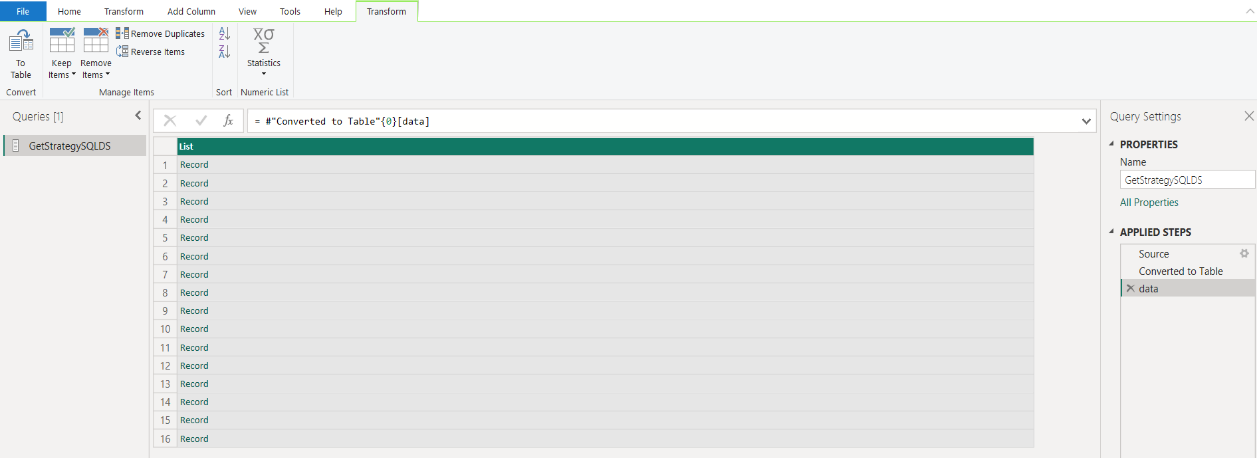
Description automatically generated

1. Go to the convert tab and select **into table,** the data will shown into a table (refer to the below screenshot).

Graphical user interface, text, application

Description automatically generated

1. Then click on the value which you want to extract, for an example **data column value** from the above table, click on its value(**List**) the vaues will be expand (refer to the below screenshot).

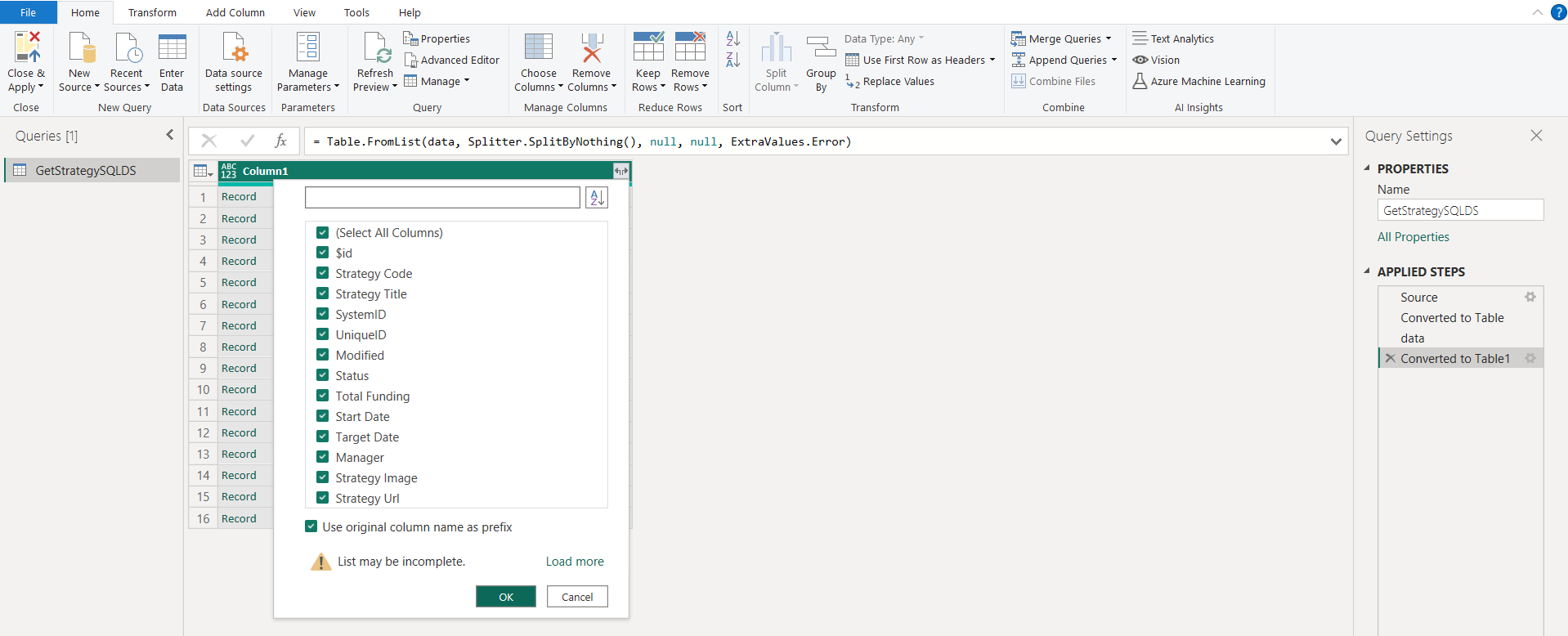


1. Right click over the **list** column select **to table** option.

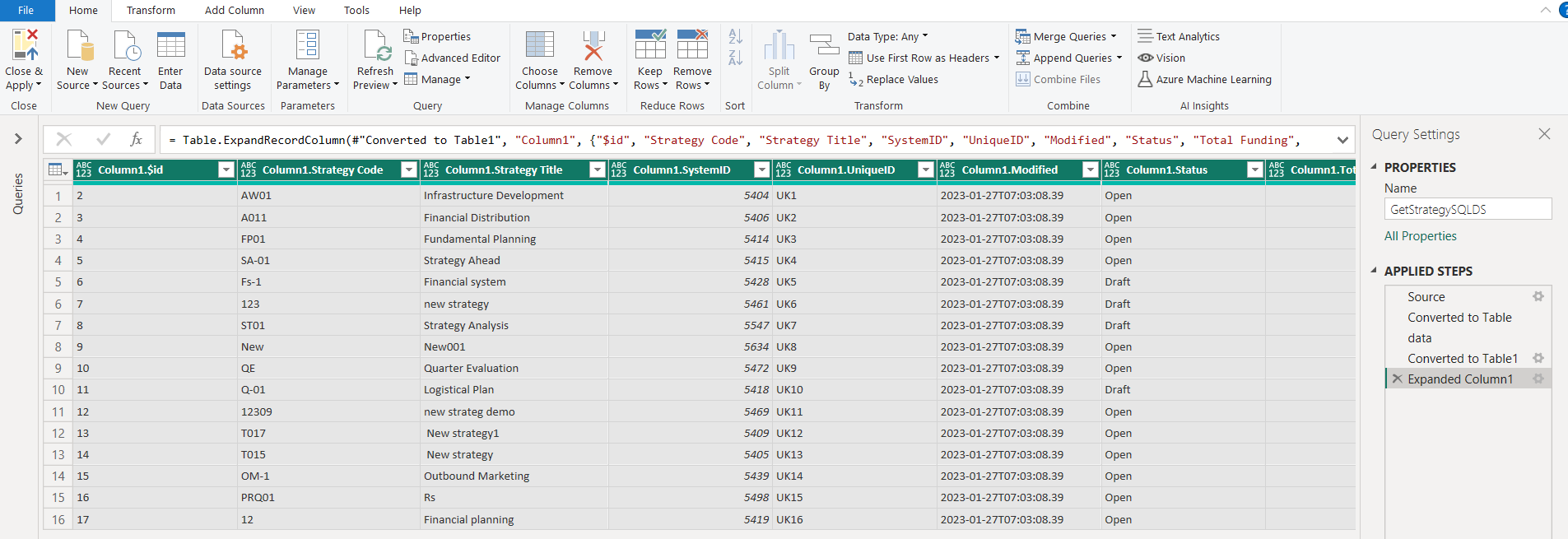
Graphical user interface, application

Description automatically generated with medium confidence

1. Click on the expanded icon on the left side of column, select the columns you want to display and click **ok** button.



1. After expanding the column , you will get your entire details of a record respectively.



# StrategySQLDS

StrategySQLDS reporting API contains the Details of all the strategies created in the application.

Graphical user interface, application

Description automatically generated

**Img – Strategy Module**

The API includes the below listed fields.

|  |  |  |
| --- | --- | --- |
| **S.no.** | **Field Name** | **Field Description** |
| 1 | Manager | Manager Name |
| 2 | Modified | Date Modified |
| 3 | Start Date | Start Date of strategy |
| 4 | Status | Strategy Status |
| 5 | Strategy Code | Strategy Code |
| 6 | Strategy image | Strategy logo image |
| 7 | Strategy Title | Strategy Name |
| 8 | Strategy Url | Strategy Redirection link |
| 9 | SystemID | System ID |
| 10 | Target Date | Finish Date of strategy |
| 11 | Total Funding | Total Funding of strategy |
| 12 | UniqueID | Unique Id |

To get Strategy Details from SPM Reporting API, GetStrategySQLDS API is called. It is a get request.

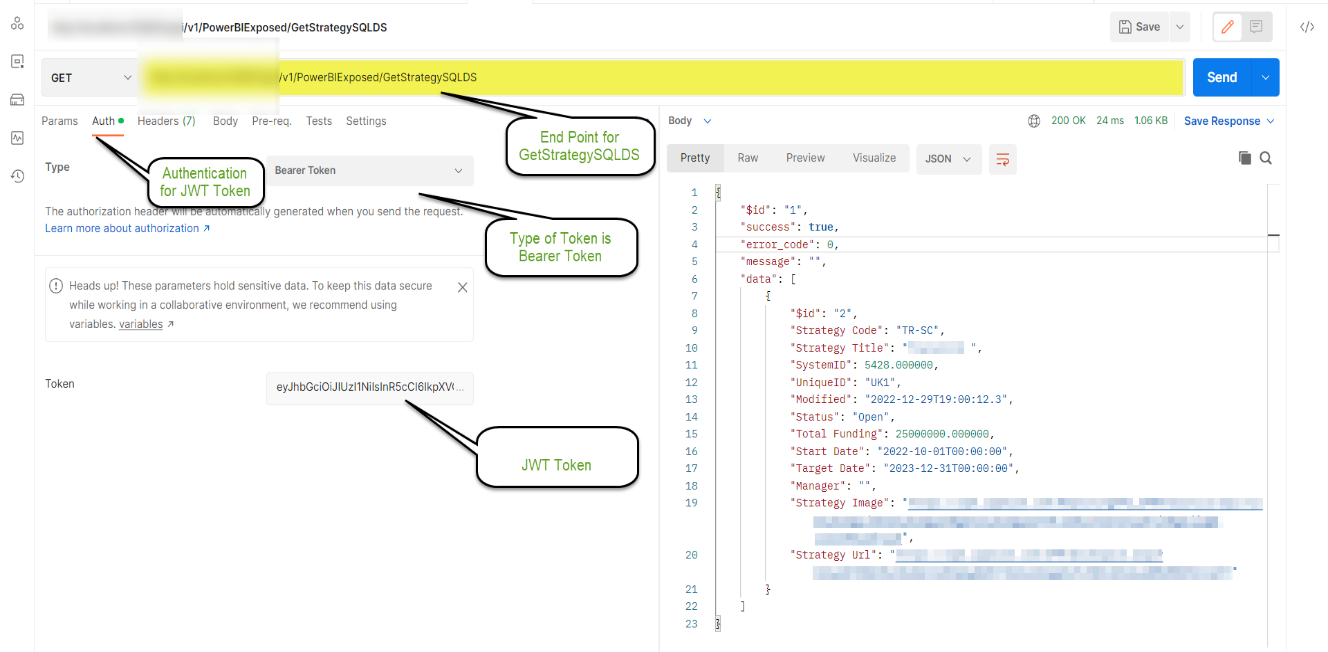
|  |  |
| --- | --- |
| **HTTP Method** | GET |
| **Endpoint** | **<**BaseUrl**>**/ **v1/PowerBIExposed/GetStrategySQLDS** |
| **HTTP Headers** | none |

## Input Parameters

The method accepts a bearer token in auth type for the authentication of the user.

* Token- for the authentication to get the exposed data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Format | Mandatory | Default value |
| {token} | For the authentication to get the exposed data | String | Yes | Please consider the Default API Parameters Table |



## Output

In the case of successful authentication, the below JSON model is returned.

{

"$id": "1",

"success": **true**,

"error\_code": 0,

"message": "",

"data": [

{

"$id": "2",

"Strategy Code": "TR-SC",

"Strategy Title": " ",

"SystemID": 5428.000000,

"UniqueID": "UK1",

"Modified": "2022-12-29T19:00:12.3",

"Status": "Open",

"Total Funding": 25000000.000000,

"Start Date": "2022-10-01T00:00:00",

"Target Date": "2023-12-31T00:00:00",

"Manager": "",

"Strategy Image": "https://xyz.org ",

"Strategy Url": "https://abc.com "

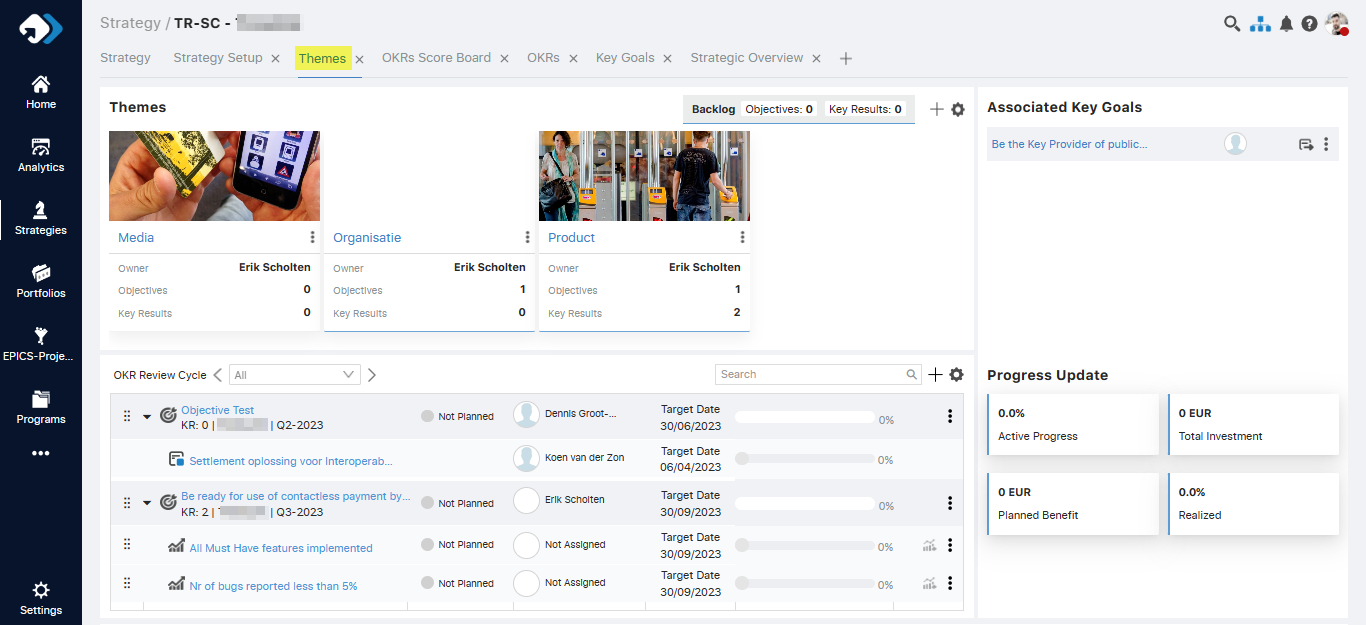
}

]

}

# ThemeSQLDS

Themes are created inside strategies as shown in below Strategy module and then it further divided into objectives and Key results.



**Img – Strategy Theme layout**

The API contains fields listed below.

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Field Name** | **Field Description** |
| 1 | Modified | Theme Modified Date |
| 2 | Start Date | Theme Start Date |
| 3 | Strategy Code | Strategy code |
| 4 | SystemID | System Id |
| 5 | Target Date | Target Date of Theme |
| 6 | Theme Code | Theme Code |
| 7 | Theme Image | Image of Theme |
| 8 | Theme Title | Theme name |
| 9 | Theme URL | Theme URL |
| 10 | UniqueID | Unique ID |

To get Theme Details from SPM Reporting API, GetThemeSQLDS API is called. It is a get request.

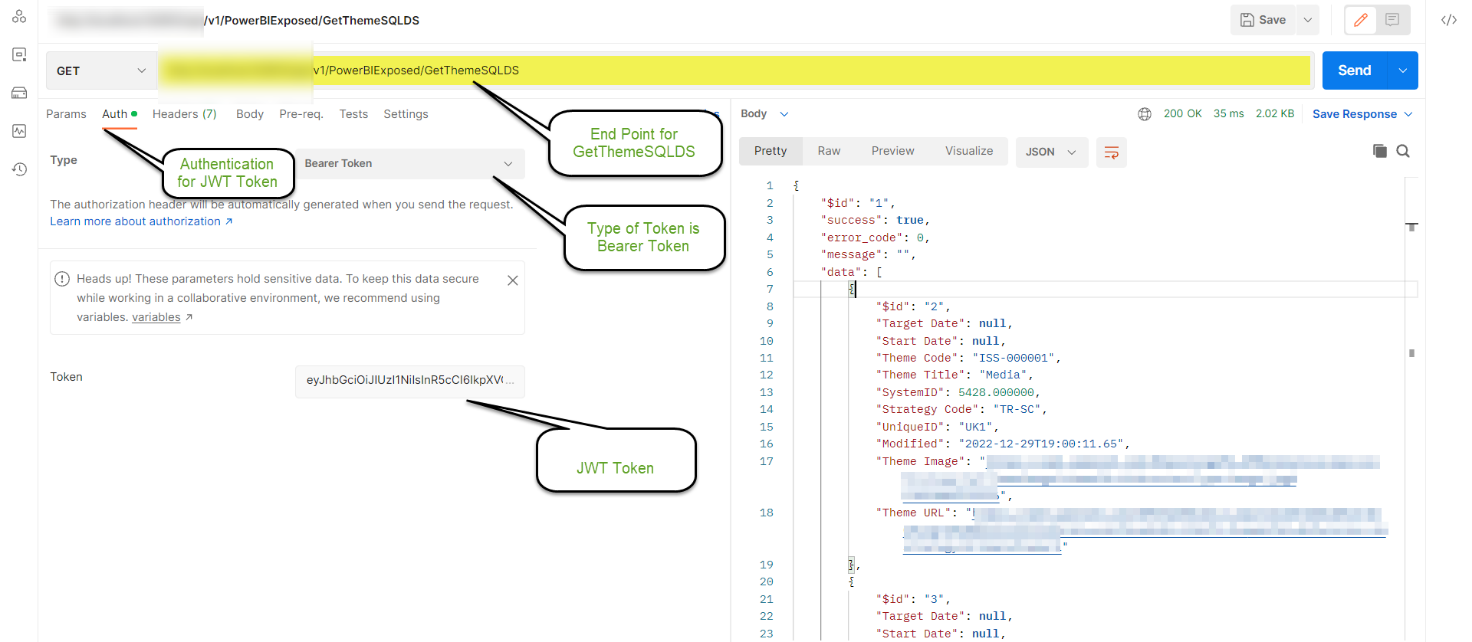
|  |  |
| --- | --- |
| **HTTP Method** | GET |
| **Endpoint** | **<**BaseUrl**>**/ **v1/PowerBIExposed/GetThemeSQLDS** |
| **HTTP Headers** | none |

## Input Parameters

The method accepts a bearer token in auth type for the authentication of the user

* Token- for the authentication to get the exposed data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Format | Mandatory | Default value |
| {token} | For the authentication to get the exposed data | String | Yes | Please consider the Default API Parameters Table |



## Output

In the case of successful authentication, the below JSON model is returned

{

"$id": "1",

"success": **true**,

"error\_code": 0,

"message": "",

"data": [

{

"$id": "2",

"Target Date": **null**,

"Start Date": **null**,

"Theme Code": "ISS-000001",

"Theme Title": "Media",

"SystemID": 5428.000000,

"Strategy Code": "TR-SC",

"UniqueID": "UK1",

"Modified": "2022-12-29T19:00:11.65",

"Theme Image": "https://www.xyz.org /imgres?imgurl ",

"Theme URL": " https://xyz.org "

}]}