

How to setup PowerBI

Description

This guide explains how to setup PowerBI

Requirements

- Access to TEOS web server
- Have the Client ID, Tenant ID and Client Secret values available, they need to be used when creating the data source
- Have access to the Azure platform and have the permissions to create applications
- Have permissions within Azure platform to grant admin consent on applications

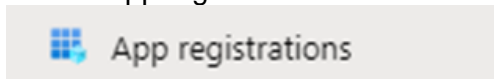
How to create an Azure application for PowerBI

1. Sign in with your account to portal.azure.com

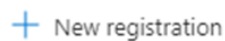
2. Select "Microsoft Entra ID".



3. Select "App registrations".

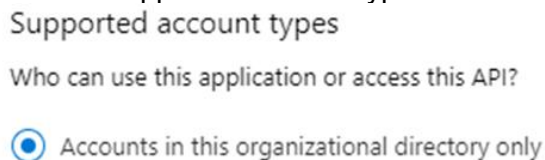


Select "New registration".



Fill in a name for your application, for example: TEOS Power BI

4. Set the "Supported account types" to: "Accounts in this organizational directory only".



5. Please configure the following redirect URL:
<https://auth.teosmanage.com/connect/powerbi.aspx>

(Please make sure a WEB platform is selected and then add the URL. This can be edited afterwards by selecting the tab "Authentication", then please select "Add a platform" and select the WEB platform and add the URL)

- Once the application has been created, please visit the tab “API permissions” and configure the following permissions. Also make sure to grant Admin consent for your Tenant.

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent](#)

+ Add a permission Grant admin consent for TDM Signage

| API / Permissions name | Type | Description | Admin consent req... | Status |
|------------------------|-----------|-------------------------------|----------------------|-------------------------------|
| Microsoft Graph (1) | | | | ... |
| User.Read | Delegated | Sign in and read user profile | - | ✔ Granted for TDM Signage ... |
| Power BI Service (4) | | | | ... |
| App.Read.All | Delegated | View all Power BI apps | - | ✔ Granted for TDM Signage ... |
| Dashboard.Read.All | Delegated | View all dashboards | - | ✔ Granted for TDM Signage ... |
| Dataset.Read.All | Delegated | View all datasets | - | ✔ Granted for TDM Signage ... |
| Report.Read.All | Delegated | View all reports | - | ✔ Granted for TDM Signage ... |

- Once you have configured the API permissions a client secret can be created in the tab “Certificates & Secrets”

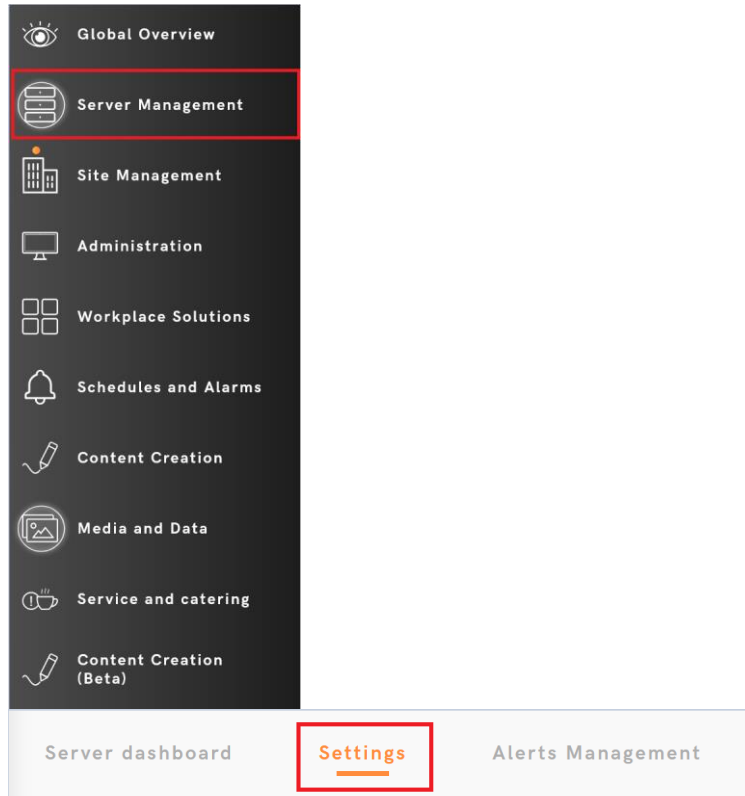


Please select “New client secret” and add a description, for example: TEOS Power BI

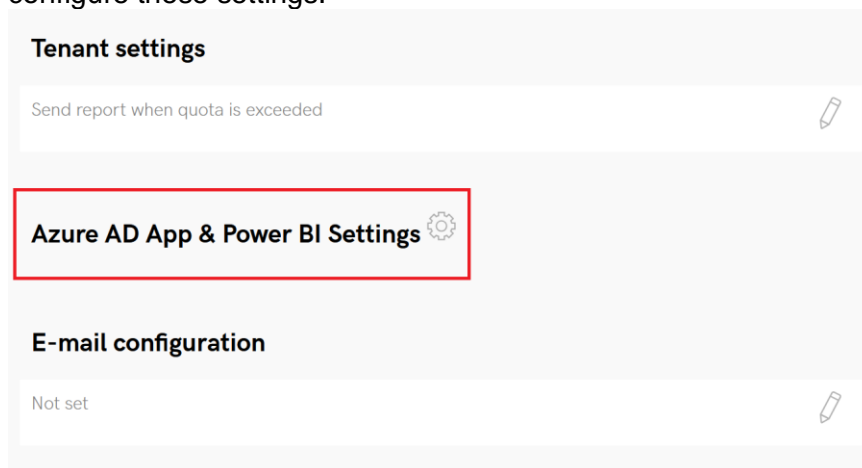
- Once the client secret has been created, please copy the value as this will be encrypted once you leave the Azure Application page. The Tenant ID and Client ID can be found in the tab “Overview”.
- You finished the steps for setting up the Azure application. The credentials you have created need to be configured in TEOS Manage. They will be requested once you create a Power BI data source in TEOS.

Connect PowerBI to TEOS Manage

- First login to the TEOS Manage environment.
- Navigate to “Server Management and select “Settings”.



3. In here you will find “Azure AD App & Power BI Settings”, select the cogwheel to configure these settings.



4. On the right side enter the “Client ID” and the “Client secret”.

Power BI

Client ID

Client Secret

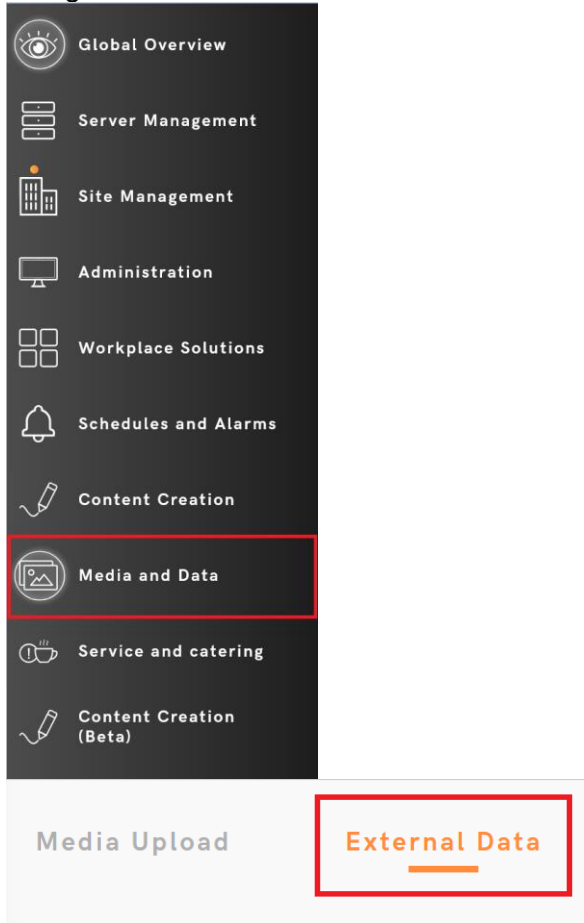
These can be found in the Azure Active Directory overview of the app registration you

created earlier.

5. You have now linked PowerBI to TEOS Manage

How to setup PowerBI

1. Navigate to “Media and Data” and select “External Data”



2. Select “New datasource”, a window will appear where you can choose a new external data source. Give it a name and select “PowerBI”.

New datasource

Please fill in a name for your datasource:

Select which type of datasource you would like to add:

Social media

Instagram

Data sources

Weather

PowerBI

Custom sources

RSS/XML

Agenda

Office 365

Google Calendar

Exchange

TEOS Calendar

Office App

Education

Scientia

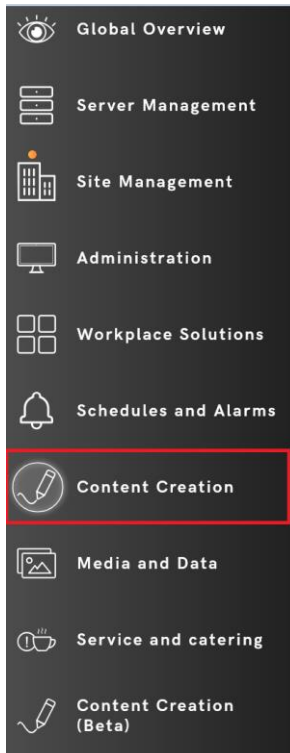
Celcat

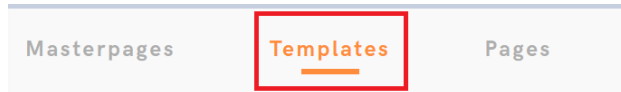
Next

3. It will then ask you to enter the Tenant ID, this can be found in the Azure Active Directory overview of the app registration you created earlier.
4. Next login with the correct credentials and select save.
5. The PowerBI setup is now complete.

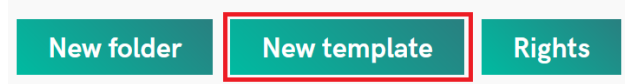
Creating a PowerBI element

1. Head over to "Content Creation" and select "Templates".





2. Create a new template and edit it.

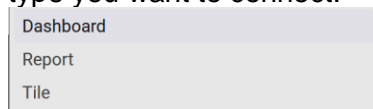


3. Select the PowerBI element. And place it on the canvas.

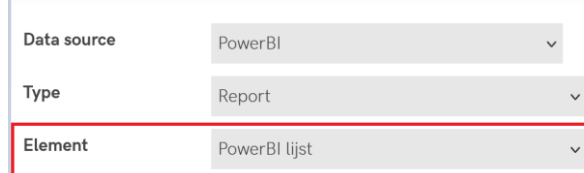


4. Give it a name and select "Data", as data source select "PowerBI".

Based on what kind of content you have stored in you PowerBI environment, select the type you want to connect.



5. If TEOS finds matching content in PowerBI it will list it in "Elements"



6. Select save and the PowerBI data will then be presented in the template.

You have now successfully created a PowerBI template.

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For more information
visit pro.sony/TEOS

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