



TDM5 – How to create an Azure application for Power BI

Introduction

TDM5 offers the ability to add external data sources. With these data sources TDM5 offers the ability to display real-time information within your presentation. This manual will explain how an Entra ID application can be created for PowerBI.

Requirements

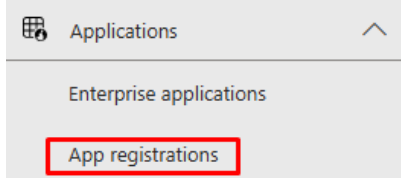
If you want to create an Azure application for Power BI you need to meet the following requirements

- Have access to the Azure platform and have the permissions to create applications.

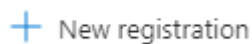
How to create an Entra ID application for Power BI

1. Sign in with your account to <http://entra.microsoft.com>

2. Select: Application > App registrations.



Select New registration.

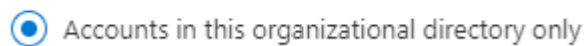


Fill in a name for your application, for example: TDM5 Power BI

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

Supported account types

Who can use this application or access this API?



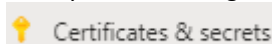
4. Please configure the following redirect URL: <https://tdm5.tdm signage.com/DataSources/PowerBiLogin>

(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)

5. Once the application has been created visit the tab "API permissions" and configure the following permissions.

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	...
Power BI Service (5)				
App.Read.All	Delegated	View all Power BI apps	No	...
Dashboard.Read.All	Delegated	View all dashboards	No	...
Dataset.Read.All	Delegated	View all datasets	No	...
Report.Read.All	Delegated	Make API calls that require read permissions on all reports	No	...
Workspace.Read.All	Delegated	View all workspaces	No	...

6. 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: TDM5 Power BI

7. 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".
8. You finished the steps for setting up the Azure application. The credentials you have created need to be configured in the TDM Designer. They will be requested once you create a Power BI data source in TDM.

9. Now we can continue and create the data source in TDM5. To do this login to your TDM5 environment using an administrator account.

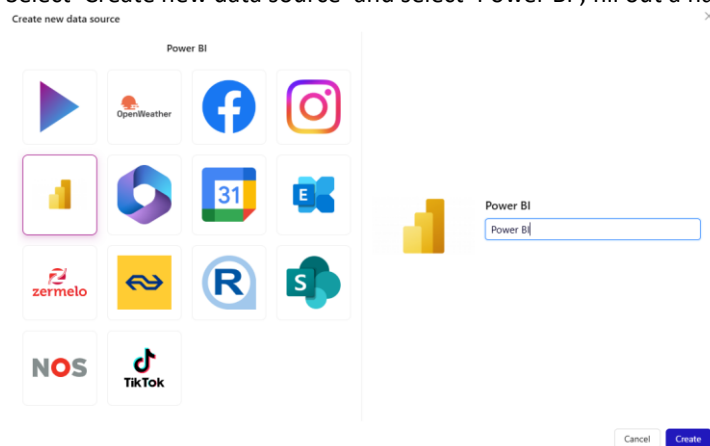
10. Select “Interactions”.



11. Select the menu option called “Data sources”



12. Select ‘Create new data source’ and select ‘Power BI’, fill out a name for the data source and select ‘Create’.



13. Fill out the details we saved from the Entra ID application and select ‘Grant permission’.

Data source settings

Name

Connection properties

Clientid

Tenantid

ClientSecret

🔌 not connected

Grant permission

In case the credentials are valid and the permissions are correctly set the data source will return ‘Connected’.

✓ connected

You have now successfully setup the PowerBI data source, you can continue with the manual [‘TDM5 - How to add PowerBI’](#) to add the Power BI data source into your design.