



TDM - How To create an Azure application for Power BI

Introduction

With version 4.1 of TDM it is possible to add Power BI as an external data source. To be able to use this functionality it is required to configure the Tenant ID, Client ID and Client Secret of your Azure application. This guide explains how the Azure application can be created.

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.
- Have permissions within Azure platform to grant admin consent on applications.

How to create an Azure application for Power BI

Quick guide

1. Sign in with your account to portal.azure.com
2. Select Azure Active Directory.



Azure Active
Directory

Select App registrations.



App registrations

Select New registration



New registration

Fill in a name for your application, for example: TDM 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?



Accounts in this organizational directory only

4. Please configure the following redirect URL: <https://socialmedia.tdmsignage.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"

Certificates & secrets

Please select "New client secret" and add a description, for example: TDM 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 the TDM Designer. They will be requested once you create a Power BI data source in TDM.