# Connecting to Power BI

Qlik Catalog

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LEAD WITH DATA  Qlik Q

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# Connecting Catalog to Power BI

To start the integration process between Qlik Catalog and PowerBI, you will have to first create a Qlik catalog application on Azure AD Portal. This application can then be used to provide the required API permission for the Qlik Catalog users as well as to get the client-id, tenant-id and other information. All of this is used by Qlik Catalog to get the access token to call the REST APIs.

Once the application is set-up on Azure AD, the client-id, tenant-id, and client_secret has to be provided to Qlik Catalog for Catalog to successfully upload the data to PowerBI. This information will be entered into Qlik Catalog → Admin → System Settings. An administrator will go to System Settings and put the three values here which will be copyied/ pasted from the Azure AD app they have created to Qlik Catalog. Please note that this is a one time exercise and doesn't need to be done by every user. It's a global setting.

For the integration to work correctly, the Qlik Catalog server must be able to communicate with the Microsoft authorization end-point - this is especially important for the offline installs.

After setting up these properties, a user can click the Publish to Power BI button from the top My Cart menu - once clicked, the user will be taken to the Microsoft login page - they will provide their creds to Microsoft and then allow Qlik Catalog to read dataset & workspace related items from their workspace.

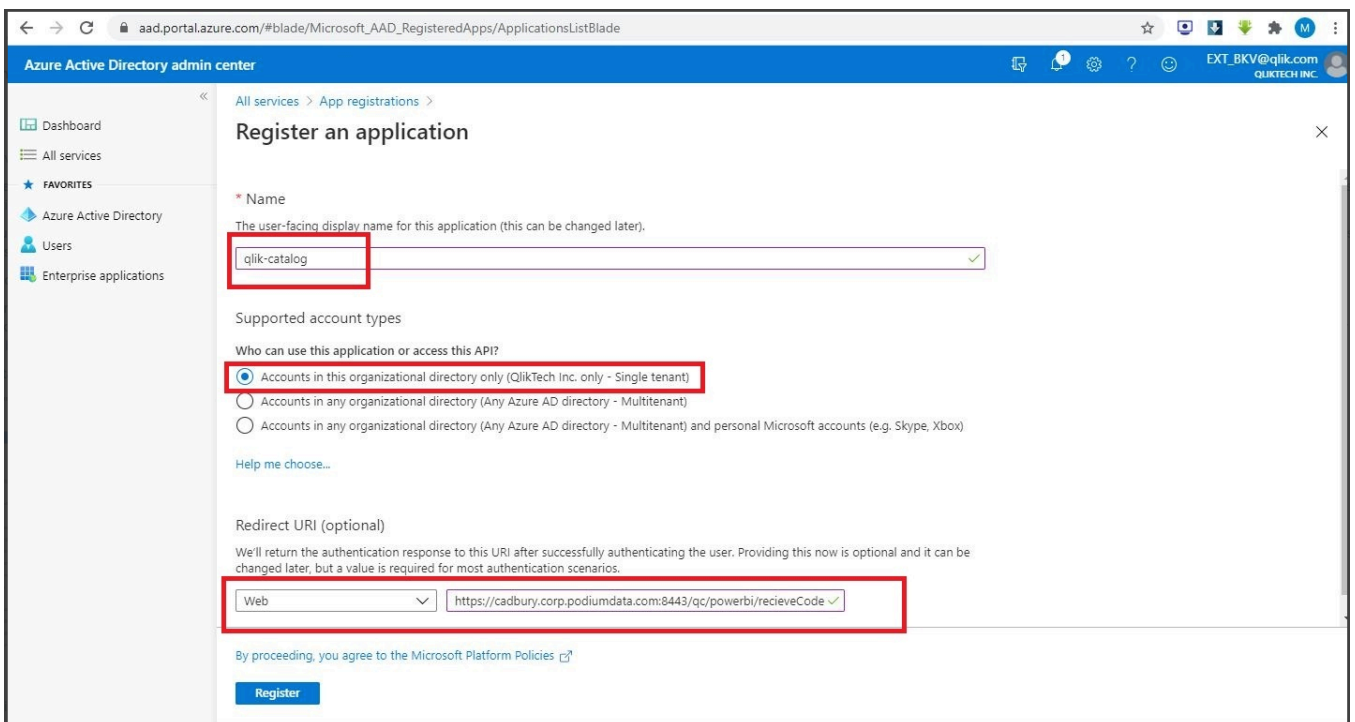First, go to https://aad.portal.azure.com/ and create a new application.

1) First click on "All Services" followed by a click on "App Registrations"
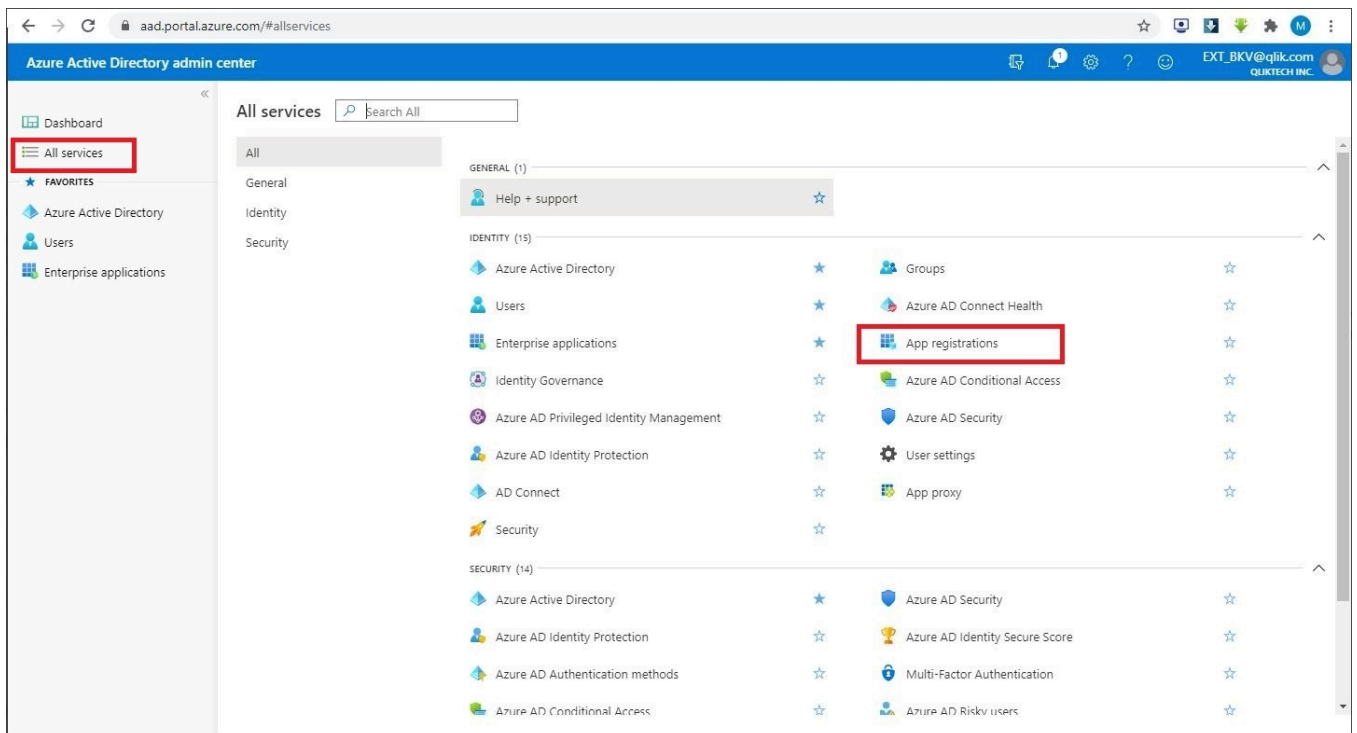


2) Click on "+ New Registration"
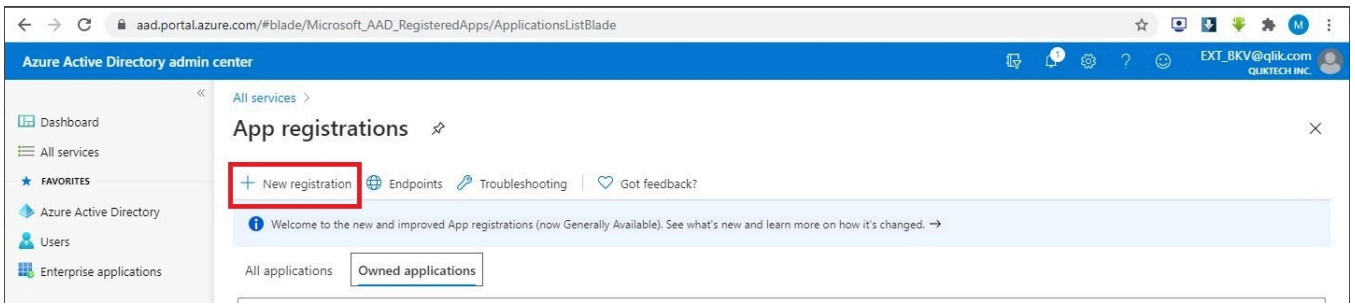
3) Provide the required info for the highlighted boxes below. Please note that your app name must be unique but can be any name. In the Redirect URI are at the bottom, make sure Web is selected and your URL must match the Qlik Catalog install URL. For example, if you are running cadbury on https://cadbury.corp.podiumdata.com:8443/qdc , then your redirect url will be https://cadbury.corp.podiumdata.com:8443/qdc/powerbi/recieveCode .



4) You will now need to provide the necessary permissions to this app. Please go to the following screen and grant the following permissions:
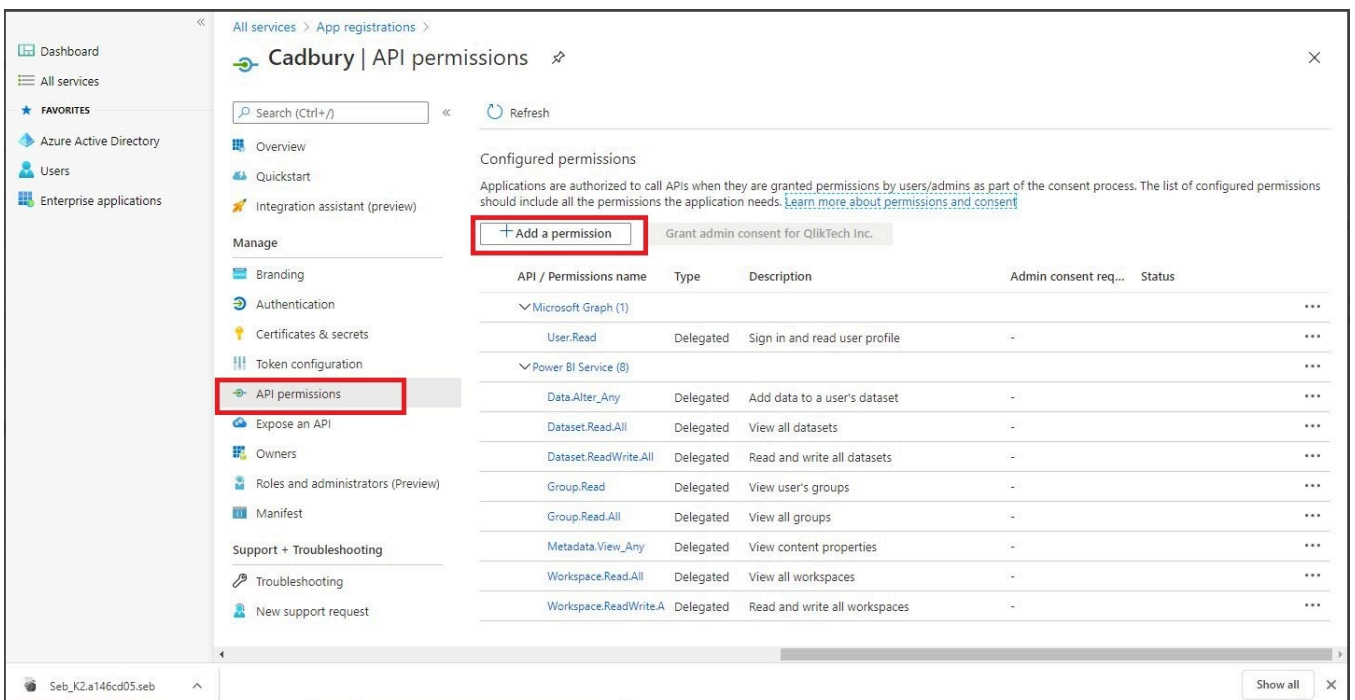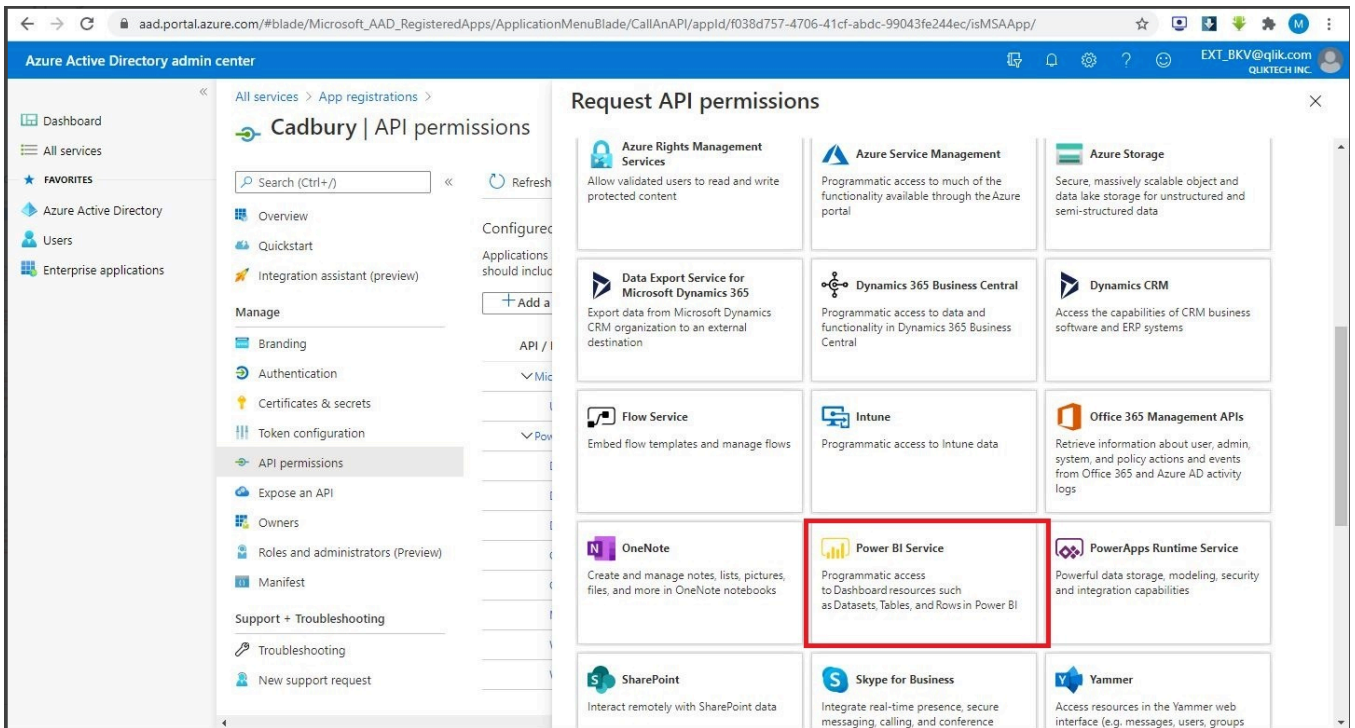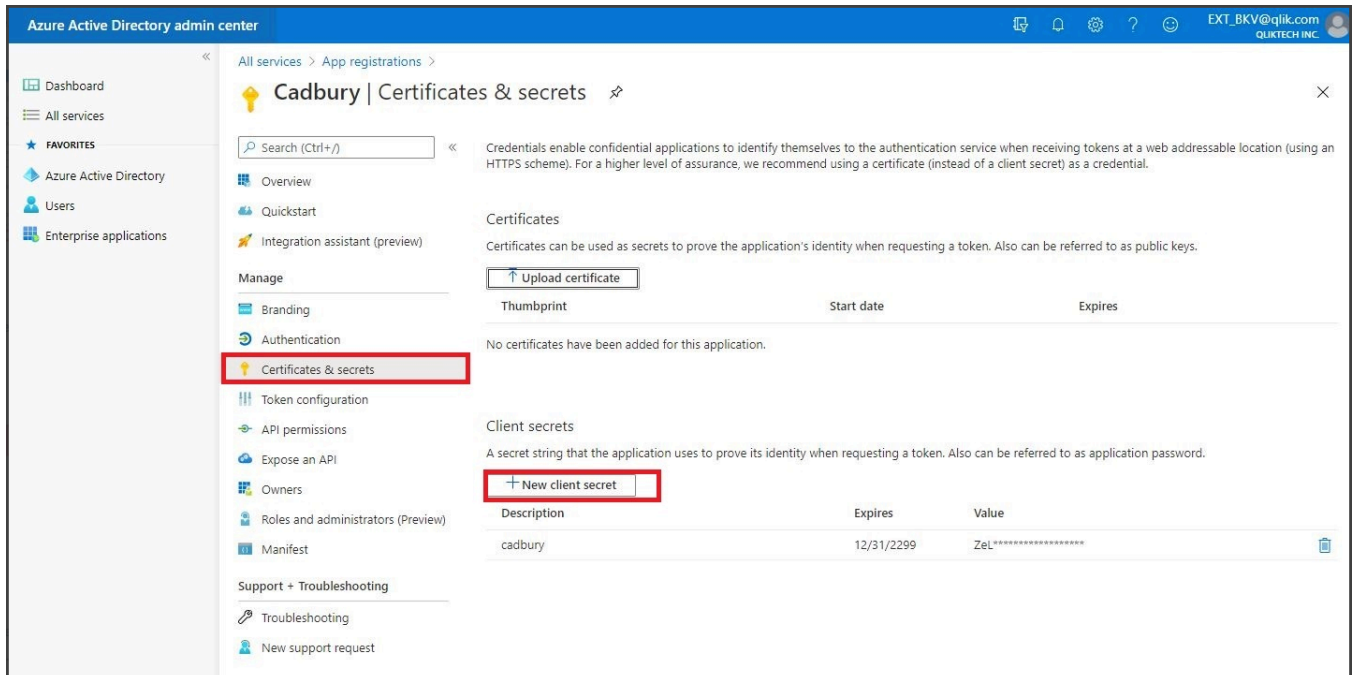
Qlik Catalog will require the following permissions:

- Data.Alter_Any
- Dataset.Read.All
- Dataset.ReadWrite.All
- Group.Read
- Group.Read.All
- Metadata.View_Any
- Workspace.Read.All

- Workspace.ReadWrite.All

5) The next step is to create a client secret as below. Note down the client secret, this will not be visible to you the next time you come to this screen.



6) Finally, also copy your client and tenant Id by from the below link:
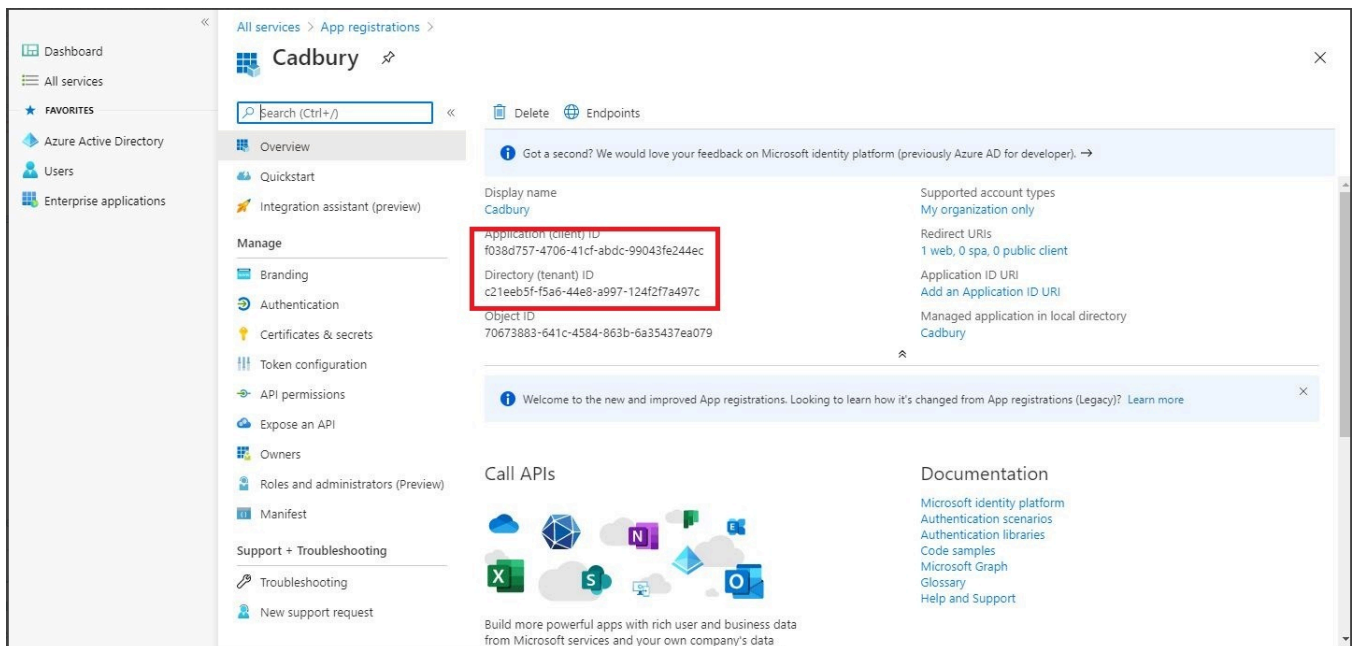


Sample configuration for internal testing:

**Please go** into Qlik Catalog → Admin → System Settings and provide the client id, tenant id and secret for PowerBI.

Also, please make sure **is.publish.to.powerbi.enabled** property is set to true.

You can 'Publish to Power BI' from the same areas as you do 'Publish to Qlik Sense'. The logs are available in the same modal as P2Q logs. Once published, you can view the new datasets in https://app.powerbi.com/groups/me/list/datasets

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Qlik is on a mission to create a data-literate world, where everyone can use data to solve their most challenging problems. Only Qlik's end-to-end data management and analytics platform brings together all of an organization's data from any source, enabling people at any skill level to use their curiosity to uncover new insights. Companies use Qlik to see more deeply into customer behavior, reinvent business processes, discover new revenue streams, and balance risk and reward. Qlik does business in more than 100 countries and serves over 48,000 customers around the world.

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