

 **Student**

Configuring Power BI in Anthology Student

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The information in this document is subject to change at any time.

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Revision History

Rev.	Date	Description
01	July 2017	Included for CampusNexus Student 18.2 release
02	Feb. 2019	Modified step 3 for new Installation Manager details
03	Sep. 2020	Modified notes for Cloud customers.
04	April 2021	Rebranded to Anthology

Configuring Power BI in Anthology Student

Purpose of this document

One feature of Anthology Student is its ability to integrate with Power BI. This allows Anthology Student to list and display any Power BI dashboards, personal workspaces, and shared apps that belong to the current logged-in user.

By default, this feature is disabled. To enable this feature, a series of steps need to be completed by an administrator. These steps are listed below and will correctly enable the Power BI integration within an existing Anthology Student solution.

Summary of steps

1. [Register Anthology Student within Power BI](#)
2. [Obtain your Tenant ID and validate the Power BI registration](#)
3. [Configure your Anthology Student solution](#)
4. [Test the Power BI integration](#)

Before we start

You will need to know the URL where you have the Anthology Student solution published, for example, <http://www.university-home.com/Cmc.Nexus.Web>

The above URL will be referred to as the host name ([\[host-name\]](#)) within this document.

While following the steps in this document, you will need to gather and save 3 important values:

1. TenantId
2. ClientId
3. ClientSecret

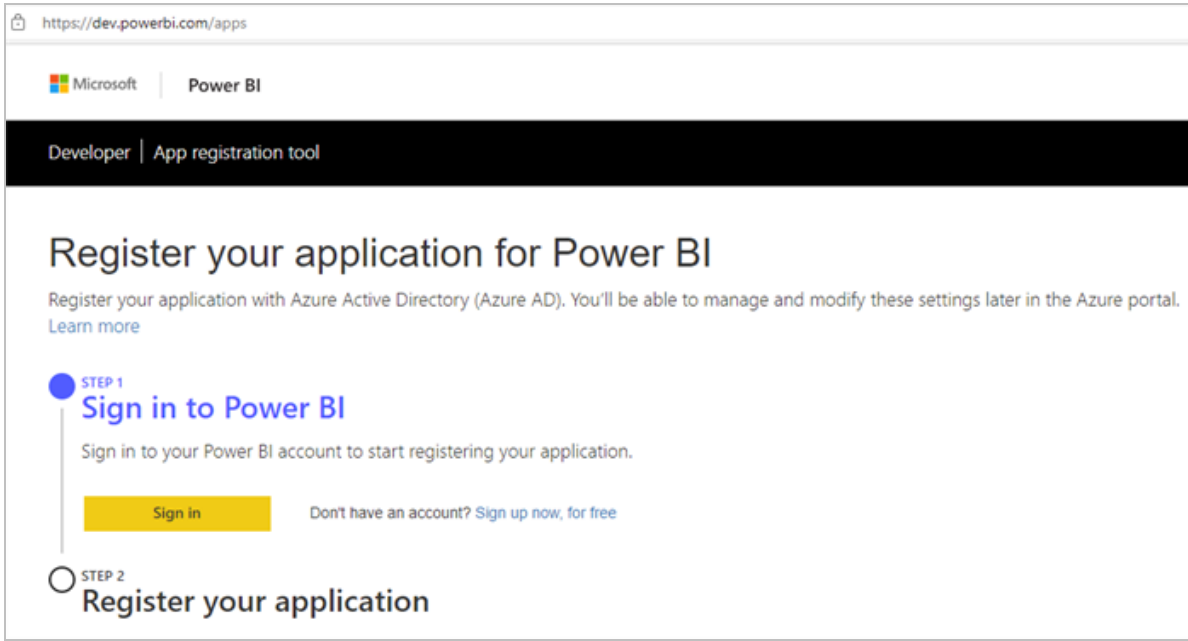
These are long alphanumeric values, so it is recommended you save them into a text file during this process to avoid errors. Keep this file in a safe place to guard it against unauthorized user access, since it contains the ApplicationSecret (which is a password).

Once you have completed the steps in this document and you have tested that the integration is working successfully, you can delete this text file if you wish.

Register Anthology Student within Power BI

1. As the Power BI administrator have your log in credentials ready.
2. Open a browser to the following Power BI Developer API.

<https://dev.powerbi.com/apps>



3. Enter the details of your Anthology Student solution as shown below.



STEP 2

Register your application

Register your application with Azure AD to allow your application to access the Power BI REST APIs and to set resource permissions for your application. You can change this later in the Microsoft Azure portal. [Learn more](#)

Application Name

Enter a display name to identify your application in Azure

(e.g. Contoso.com Power BI Integration)

Application Type

Choose the type of application you are developing

Server-side web application (for web apps or web APIs) ▼

Home Page URL

Enter your application's homepage URL

(e.g. <https://powerbiapp.contoso.com>)

Redirect URL

Enter a URL where users will be redirected upon sign in so your application can receive an authorization code.

(e.g. <https://powerbiapp.contoso.com>)

Enter the app details as shown below:

- App Name: Enter any app name you prefer. Recommendation: use “Anthology Student Power BI Integration”
- App Type: Server-side Web App
- Home Page URL: **[host-name]**
- Redirect URL: **[host-name]/Account/OAuthTokenRedirect**

Select all items shown (unless you need to restrict some access).

API access
 Select the APIs and the level of access your application needs. You can change these settings later in the Azure portal.
[Learn more](#)

Select all

Read only APIs [ⓘ]	Read and write APIs [ⓘ]	Create APIs [ⓘ]
<input checked="" type="checkbox"/> Read all datasets	<input type="checkbox"/> Read and write all datasets	<input type="checkbox"/> Create APIs
<input checked="" type="checkbox"/> Read all dashboards	<input type="checkbox"/> Read and write all dashboards	
<input checked="" type="checkbox"/> Read all reports	<input type="checkbox"/> Read and write all reports	
<input checked="" type="checkbox"/> Read all workspaces	<input type="checkbox"/> Read and write all workspaces	
<input type="checkbox"/> Read all capacities	<input type="checkbox"/> Read and write all capacities	
<input type="checkbox"/> Read all storage accounts	<input type="checkbox"/> Read and write all storage accounts	
<input type="checkbox"/> Read all dataflows	<input type="checkbox"/> Read and write all dataflows	
<input type="checkbox"/> Read all gateways	<input type="checkbox"/> Read and write all gateways	
<input checked="" type="checkbox"/> Read all Power BI apps		

By clicking Register, you agree to the [terms of use](#)


Note: An application registered here can't be used as a service principal. [Learn how to register a service principal](#)

Register

- Click **Register** to get your Application ID and Application Secret.

Once you click the “Register App” button, the Application ID and Application Secret fields will appear in a pop out window.

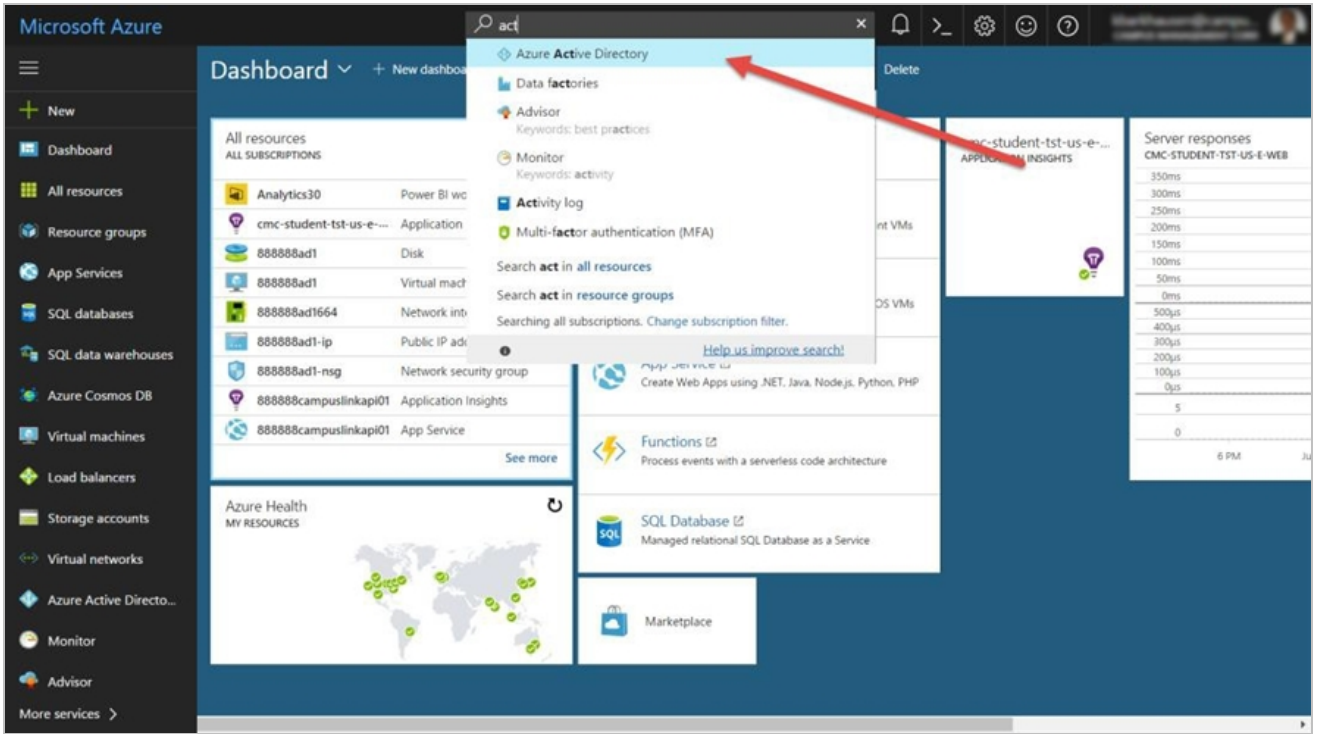
Important! Please read.

 Save the Application ID and Application Secret to a text file. Do not lose this file. **You will not have access to the Application Secret again!** You can delete this file once you complete the steps in this document.

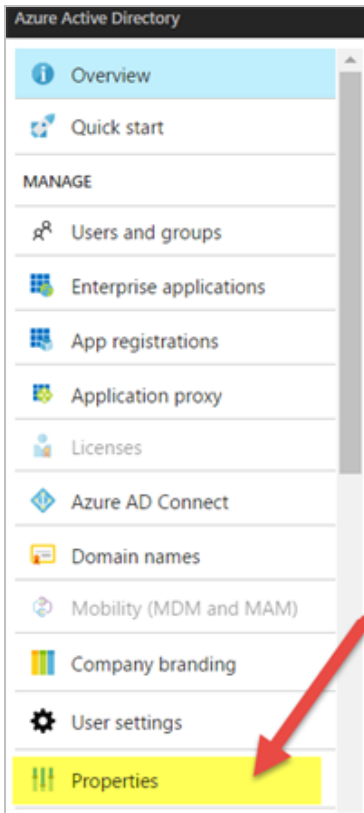
Obtain your Tenant ID and validate the Power BI registration

1. Log in to your Azure account in <http://portal.azure.com>.
2. Find the **Azure AD** resource.

At the top of the Dashboard, search for “Azure Active Directory” using the Search field. Click on this option to navigate to your Azure AD.

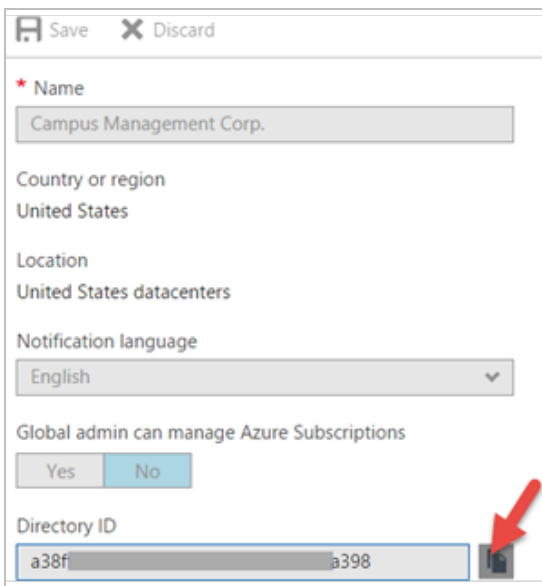


3. In the Azure AD menu, select **Properties** (as shown below).



4. Copy the ID for your Azure AD.

When you see the screen below, click the  icon to copy the ID shown to your clipboard.

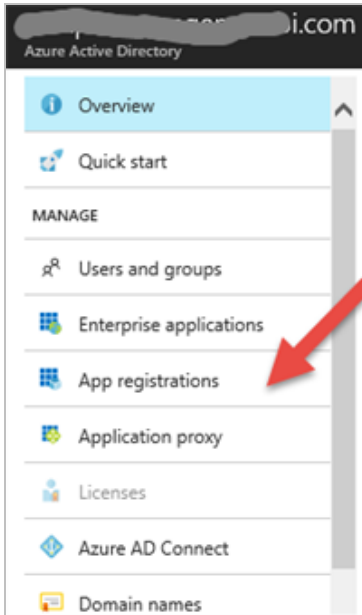




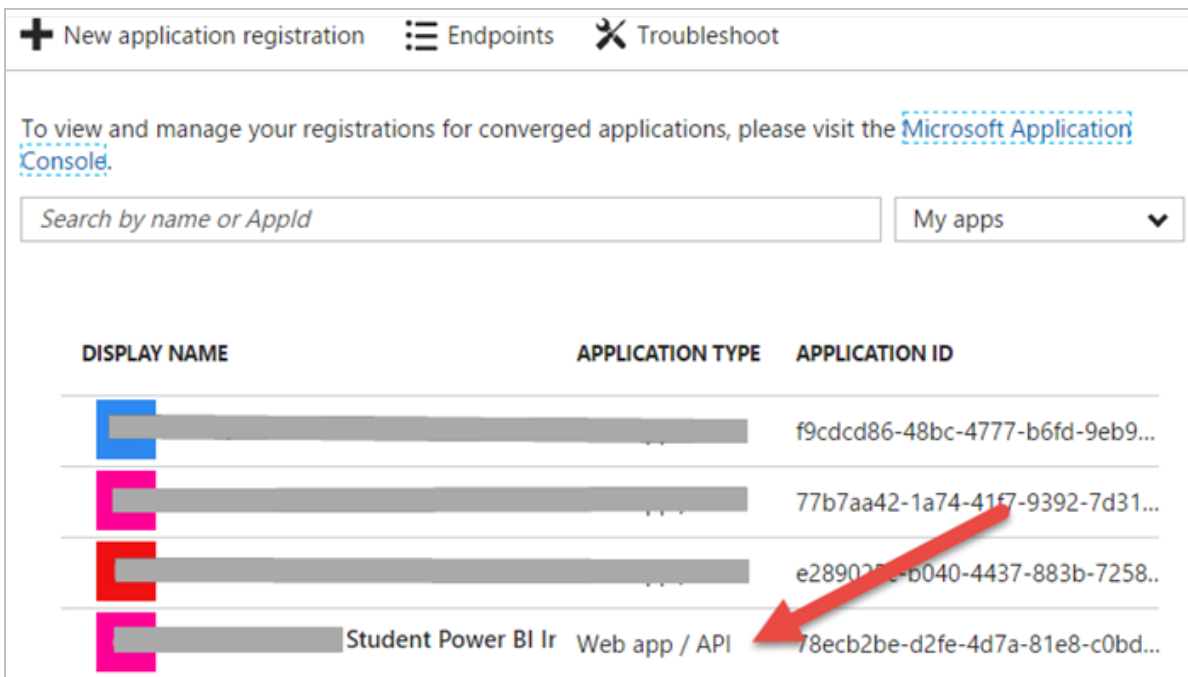
Important! Save this ID to a text file!

Save the Directory ID shown here to a text file. You will need it later. **This ID will be referred to as “Tenant ID”** from now on.

- Return to the Azure AD menu and select **App registrations**.



- Check that your Power BI registration appears here.



If the app registration “Student Power BI Integration” is listed here, then your Power BI app registration has completed successfully. Proceed to the next step.

Configure your Anthology Student solution

Note:

If you are an Anthology Inc. hosted customer, you will supply the TenantID, ApplicationID, and ApplicationSecret values to the Deployment team with a Service Desk ticket and they will add them to the installer.

If you are a self-install customer, you enter the values in Installation Manager > Web Client > Options > Power BI tab and apply the changes.

When Installation Manager is run, the following keys are updated with the values provided by the user:

- `<add key="PowerBi.Enabled" value="false"/>`

The value in this line is changed from “false” to “true”.

- `<add key="PowerBi.RedirectUrl" value="[host name]/Account/OAuthTokenRedirect" />`

The [host name] is changed to match your Anthology Student hosting.

For example: “http://www.AnthologyCollegeOne.com/Account/OAuthTokenRedirect” or “https://sisclientweb-XXXXXX.campusnexus.cloud/Account/OAuthTokenRedirect”

- `<add key="PowerBi.TenantId" value="[tenant id]"/>`

The “tenant id” is changed to the value you obtained from your Azure AD in [step # 2.4](#).

For example: “b34fy870-9c86-35df-7e6b-8b01f206a398”

- `<add key="PowerBi.ClientId" value="[client id]"/>`

The “client id” (your Application ID) is changed to the value you obtained from Power BI in [step # 1.4](#).

For example: “jy7yTGr-b040-4437-883b-7258a317766c”

- `<add key="PowerBi.ClientSecret" value="[client secret]"/>`

The “client secret” (your Application Secret) is changed to the value you obtained from Power BI in [step # 1.4](#).

For example: “gXiOy6N8R6uajuhygt54rORVXkC2XScOE5F+y9H24B8=”

Test the Power BI integration

You should now be able to log in to Power BI from Anthology Student and see the Power BI Reports and Dashboards on the home page.