anthology

💧 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.uni-versity-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. Tenantld
- 2. ClientId
- 3. ClientSecret

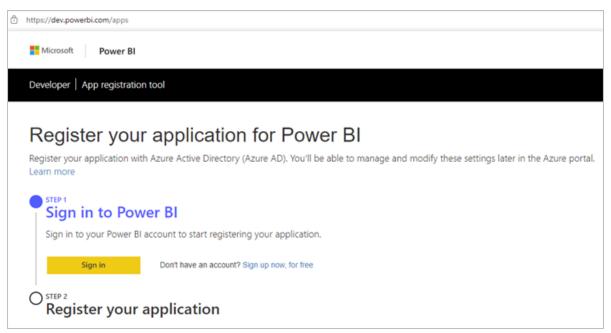
These are long alphanumeric values, so it is recommended you save them into a text file during this process to avoid errors. Keep this file in a safe place to guard it against unauthorized user access, since it contains the ApplicationSecret (which is a password).

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.

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 URI	
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 acce portal. Learn more	ess your application needs. You can cha	inge these settings later in the Azure
Select all		
Read only APIs 🛈	Read and write APIs \odot	Create APIs 🛈
✓ Read all datasets	Read and write all datasets	Create APIs
Read all dashboards	Read and write all dashboards	
Read all reports	Read and write all reports	
Read all workspaces	Read and write all workspaces	
Read all capacities	Read and write all capacities	
Read all storage accounts	Read and write all storage	
Read all dataflows	Read and write all dataflows	
Read all gateways	Read and write all gateways	
Read all Power BI apps		
By clicking Register, you agree to th	e terms of use	
Note: An application registered her	e can't be used as a service principal. Le	earn how to register a service principal
		Register

4. 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.

A

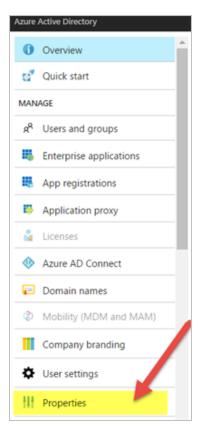
Obtain your Tenant ID and validate the Power BI registration

- 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.

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=	Dashboard 🗠 🕂 New dashboa	Azure Active Directory	Delete		
+ New		La Data factories			
Dashboard	All resources ALL SUBSCRIPTIONS	Keywords; best practices Monitor Keywords; activity		APPLICA: MINSIGHTS	Server responses CMC-STUDENT-TST-US-E-WEB
All resources	Analytics30 Power Bl wo	Activity log			350ms 300ms
🞲 Resource groups	cmc-student-tst-us-e Application	Multi-factor authentication (MFA)	nt VMs		250ms
(Resource groups	888888ad1 Disk			Ø	150ms
App Services	888888ad1 Virtual mach	Search act in all resources		0-	100ms 50ms
🗟 SQL databases	888888ad1664 Network into	Search act in resource groups Searching all subscriptions. Change subscription filter.	OS VMs	· · · · · · · · · · · · · · · · · · ·	Oms 500µs
🐴 SQL data warehouses	888888ad1-ip Public IP add	Help us improve search!		-	400µs 300µs 200µs
for a second second	888888ad1-nsg Network sec	urity group Create Web Apps using .NET. Java. Node.js.	Python, PHP		100µs 0µs
🧔 Azure Cosmos DB	888888campuslinkapi01 Application I	nsights			5
🐖 Virtual machines	888888campuslinkapi01 App Service	See more			0
🚸 Load balancers		See more Process events with a serverless code archit	tecture		6 PM Ju
Storage accounts	Azure Health MY RESOURCES	SQL Database @ Managed relational SQL Database as a Serv	rice		
Virtual networks					
Azure Active Directo		Narketolace			
Monitor	· · · · · · · · · · · · · · · · · · ·	Marketplace			
🔷 Advisor					
More services >					

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 🔒 Save 🗙 Discard * Name Campus Management Corp. Country or region United States Location United States datacenters Notification language English \checkmark Global admin can manage Azure Subscriptions Yes No Directory ID a38f a398

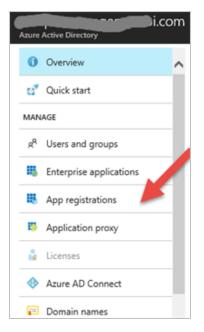
licon to copy the ID shown to your clipboard.



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.

5. Return to the Azure AD menu and select App registrations.



6. Check that your Power BI registration appears here.

New application regist	ration 🗄 Endpoints	🗙 Troubleshoot	:
To view and manage your Console.	registrations for converg	ed applications, plea	ase visit the Microsoft Application
Search by name or Apple	1		My apps 🗸 🗸
DISPLAY NAME		APPLICATION TYPE	APPLICATION ID
			f9cdcd86-48bc-4777-b6fd-9eb9
			77b7aa42-1a74-41f7-9392-7d31
			e2890256040-4437-883b-7258
	Student Power BI Ir	Web app / API	78ecb2be-d2fe-4d7a-81e8-c0bd

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 Manger > 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-XXXXX.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.