

Office 365 – OneDrive Pre-Requisites

Overview

To enable the Office 365 OneDrive integration with FrogLearn some initial steps will need to be configured within the school's Office 365 tenancy. This will include the generation of a client secret.

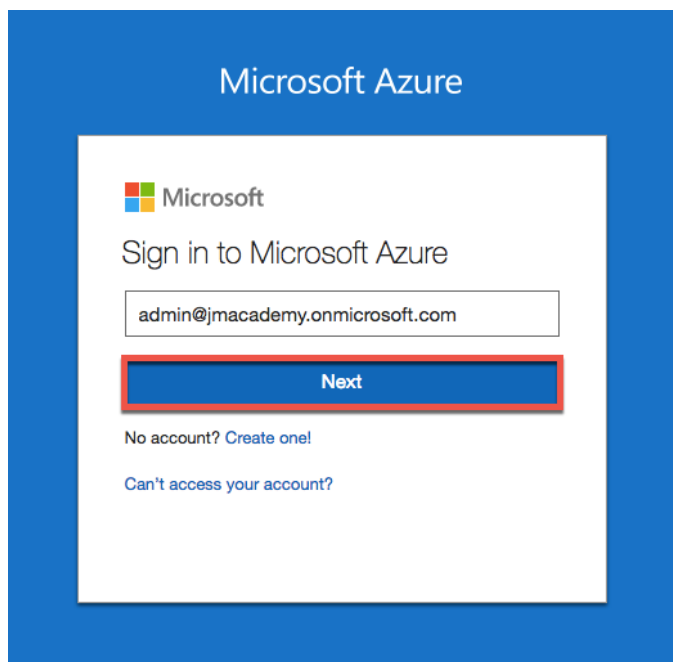
Should your school wish to have single sign on between Office 365 OneDrive and the Frog platform then you may wish to consider one of the integrations below:

- Active Directory Federated Services (ADFS)
- Azure

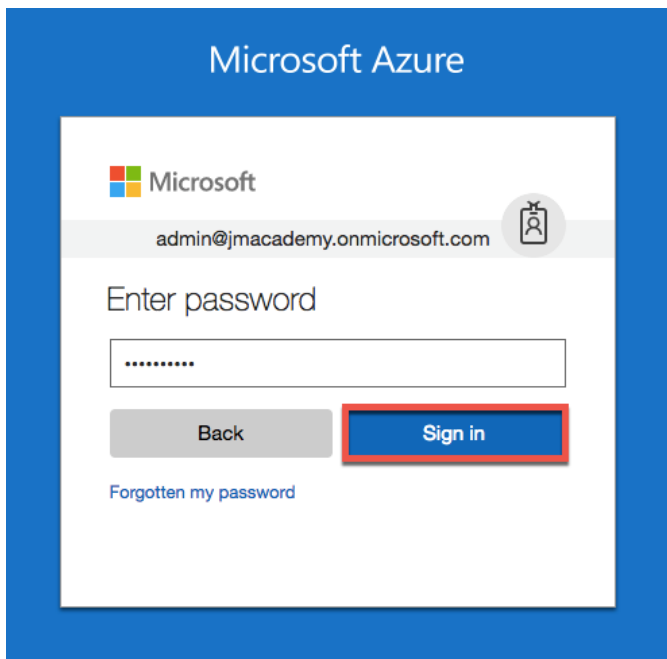
Both integrations will be the responsibility of the school to configure, however, if you would like any guidance then please contact the Service Desk on 01422 395 939 or support@frogeducation.com.

How-to

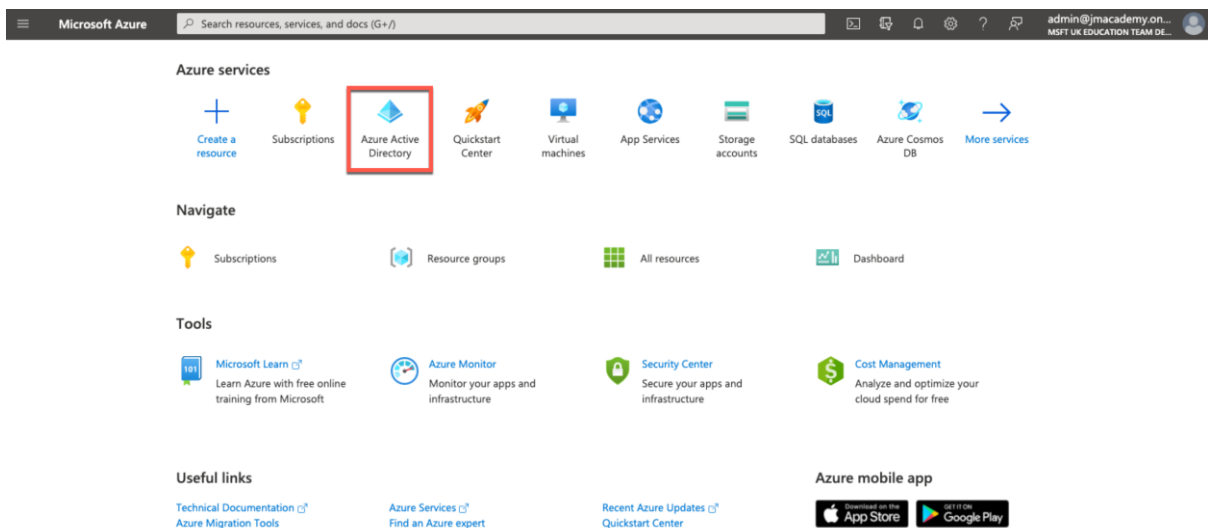
To configure the OneDrive integration, navigate to your Office 365 Azure instance via the URL <https://portal.azure.com>. Enter your school's Office 365 administrator account for the tenancy and then select the **Next** button.



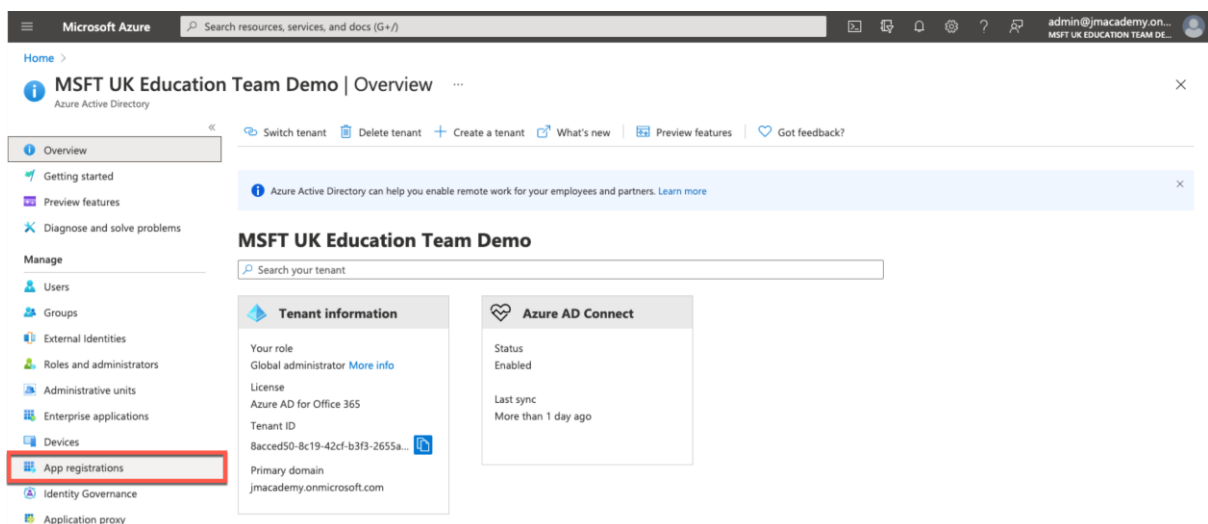
Enter the associated password for your school's Office 365 administrator account for the tenancy. Then select the **Sign In** button.



Once logged into your Microsoft Azure instance, select **Azure Active Directory**.



The Azure Active Directory options are displayed. From the left-hand side menu select **App registrations**.



Select **New registration**.

Microsoft Azure | Search resources, services, and docs (G+/)

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MSFT UK Education Team Demo | App registrations

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Got feedback?

Try out the new App registrations search preview! Click to enable the preview. →

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

All applications Owned applications Deleted applications (Preview)

Start typing a name or Application ID to filter these results

Display name	Application (client) ID	Created on	Certificates & secrets
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The **Register an application** window will be displayed. Complete the following details to register your Frog platform as an application:

1. **Name** – Enter in a name that will allow you to easily identify the application that you are wanting to register. e.g. **Wilson Academy FrogLearn – OneDrive**
2. **Support account types** – In most instances schools will be a single tenant, however the choice is up to the administrator of your Office 365 tenancy. In this example we are going to select the option **Accounts in this organizational directory only**
3. **Redirect URI** – From the first drop-down box select the option **Web**. Next you will need to enter a specific endpoint URL (**/app/acceptonedrivebusinessauth**) used for communication between the Frog platform and your Office 365 tenancy for the OneDrive integration.
 - o e.g. **https://wilson-academy.frogtest.co.uk/app/acceptonedrivebusinessauth**

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Register an application

* Name

The user-facing display name for this application (this can be changed later).

Wilson Academy FrogLearn - OneDrive

Supported account types

Who can use this application or access this API?

Accounts in this organizational directory only (MSFT UK Education Team Demo only - Single tenant)

Accounts in any organizational directory (Any Azure AD directory - Multitenant)

Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

Personal Microsoft accounts only

Help me choose...

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Web | https://wilson-academy.frogtest.co.uk/app/acceptonedrivebusiness...

When happy with the information entered select the **Register** button.

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admin@jmacademy.on... MSFT UK EDUCATION TEAM DE...

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Register an application

*** Name**
The user-facing display name for this application (this can be changed later).

Wilson Academy FrogLearn - OneDrive

Supported account types
Who can use this application or access this API?

- Accounts in this organizational directory only (MSFT UK Education Team Demo only - Single tenant)
- Accounts in any organizational directory (Any Azure AD directory - Multitenant)
- Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
- Personal Microsoft accounts only

[Help me choose...](#)

Redirect URI (optional)
We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Web <https://wilson-academy.frogtest.co.uk/app/acceptonedrivebusiness...>

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

The application is created and displayed as per the details entered. In this example, all details relating to the application **Wilson Academy FrogLearn – OneDrive** is displayed.

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admin@jmacademy.on... MSFT UK EDUCATION TEAM DE...

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Wilson Academy FrogLearn - OneDrive

Search (Cmd+/) Delete Endpoints Preview features

Overview

Quickstart Integration assistant

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- Branding
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- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Essentials

Display name	: Wilson Academy FrogLearn - OneDrive	Client credentials	: Add a certificate or secret
Application (client) ID	: 988b3dfe-4f72-4d40-9727-b9f8dcb5fd83	Redirect URIs	: 1 web, 0 spa, 0 public client
Object ID	: 0f5c14a5-007a-4adc-9f1e-088de1b4d895	Application ID URI	: Add an Application ID URI
Directory (tenant) ID	: 8acced50-8c19-42cf-b3f3-2655af328818	Managed application in L...	: Wilson Academy FrogLearn - OneDrive

Supported account types : My organization only


Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations (Legacy)? [Learn more](#)

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

Get Started Documentation

Build your application with the Microsoft identity platform


The Microsoft identity platform is an authentication service, open-source libraries, and application management tools. You can create modern, standards-based authentication solutions, access and protect APIs, and add sign-in for your users and customers. [Learn more](#)



Call APIs

Build more powerful apps with rich user and business data from Microsoft services and your own company's data sources.


[View API permissions](#)



Sign in users in 5 minutes

Use our SDKs to sign in users and call APIs in a few steps. Use the quickstarts to start a web app, mobile app, SPA, or daemon app.

[View all quickstart guides](#)



Configure for your organization

Assign users and groups, apply conditional access policies, configure single sign-on, and more in Enterprise applications.

[Go to Enterprise applications](#)

The next step is to configure a second redirect URI. From the left-hand side menu select **Authentication**.

Within the **Authentication** options, select the **Add URI** link within the **Web** section.

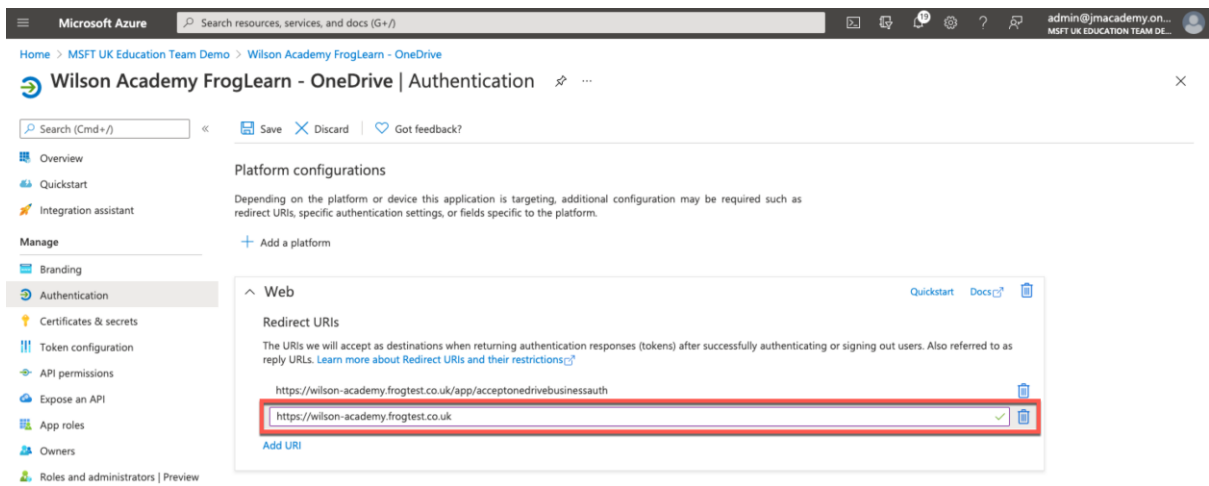
The first entry will display the endpoint (**/app/acceptonedrivebusinessauth**) used for communication between the Frog platform and your Office 365 tenancy for the OneDrive integration. In this example, this is:

<https://wilson-academy.frogtest.co.uk/app/acceptonedrivebusinessauth>

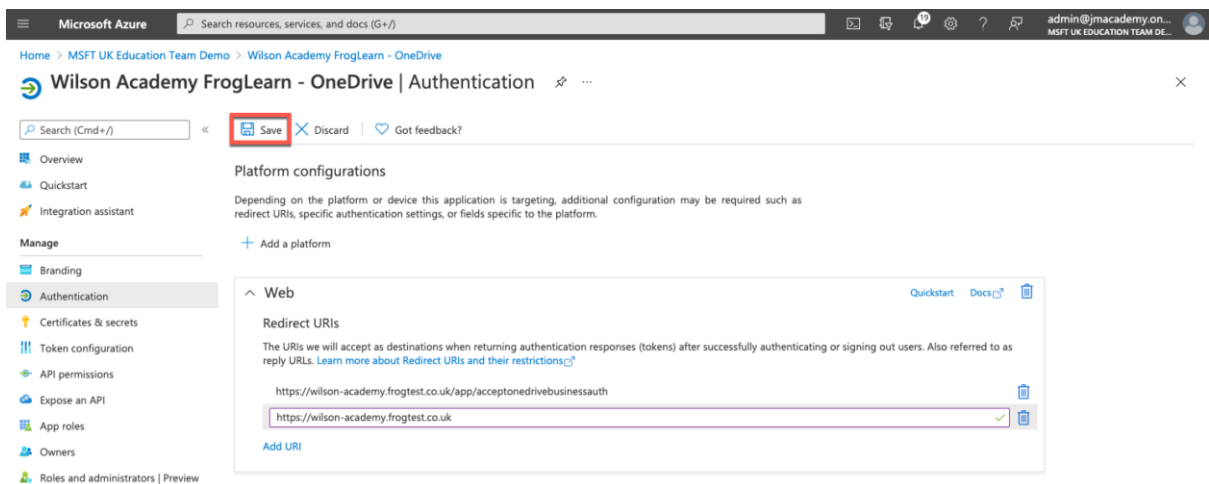
Now, in the new URL field enter your FrogLearn platform URL. In this example, this is:

<https://wilson-academy.frogtest.co.uk>

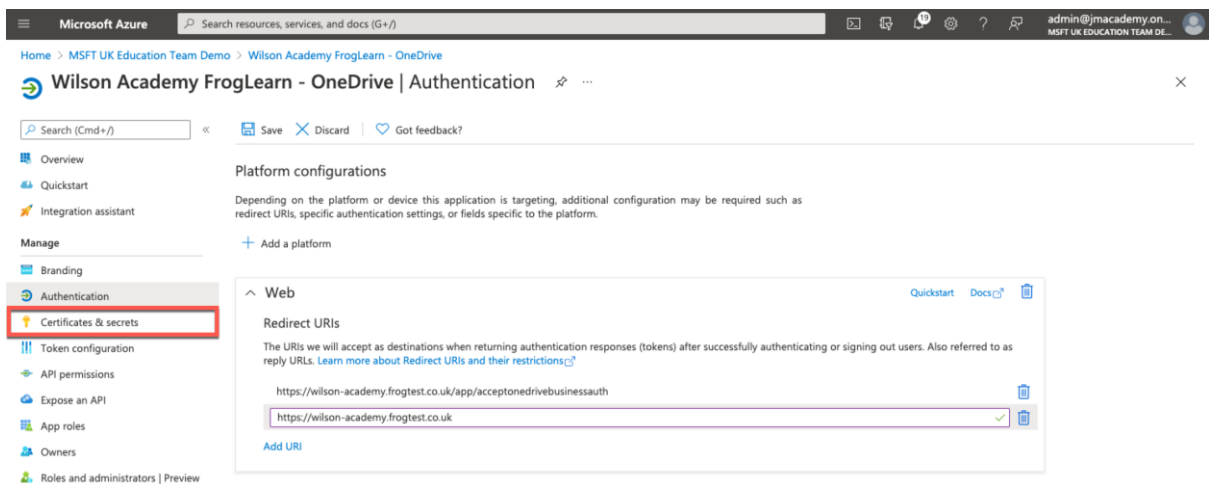
After this has been entered a green tick should be displayed at the end of the URL.



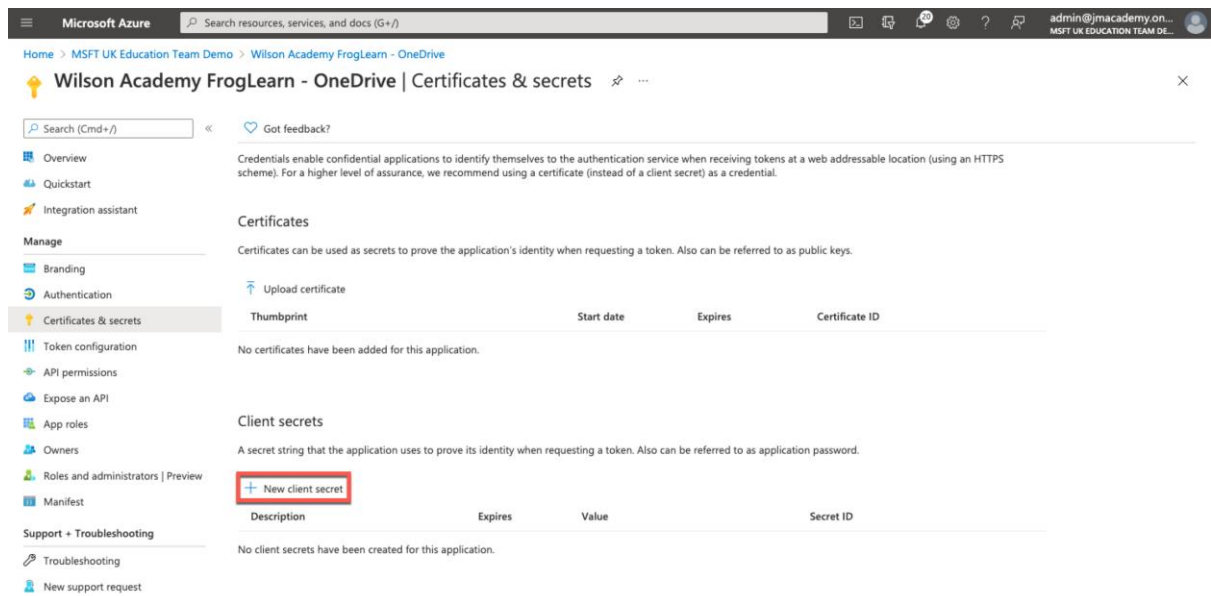
When happy with the information entered select the **Save** button.



The next step is to configure a unique shared password to be used between the Frog platform and Office 365 tenancy. Select **Certificates & secrets** from the left-hand side menu.



Within the **Certificates & secrets** options, select the **New client secret** link within the **Client secrets** section.



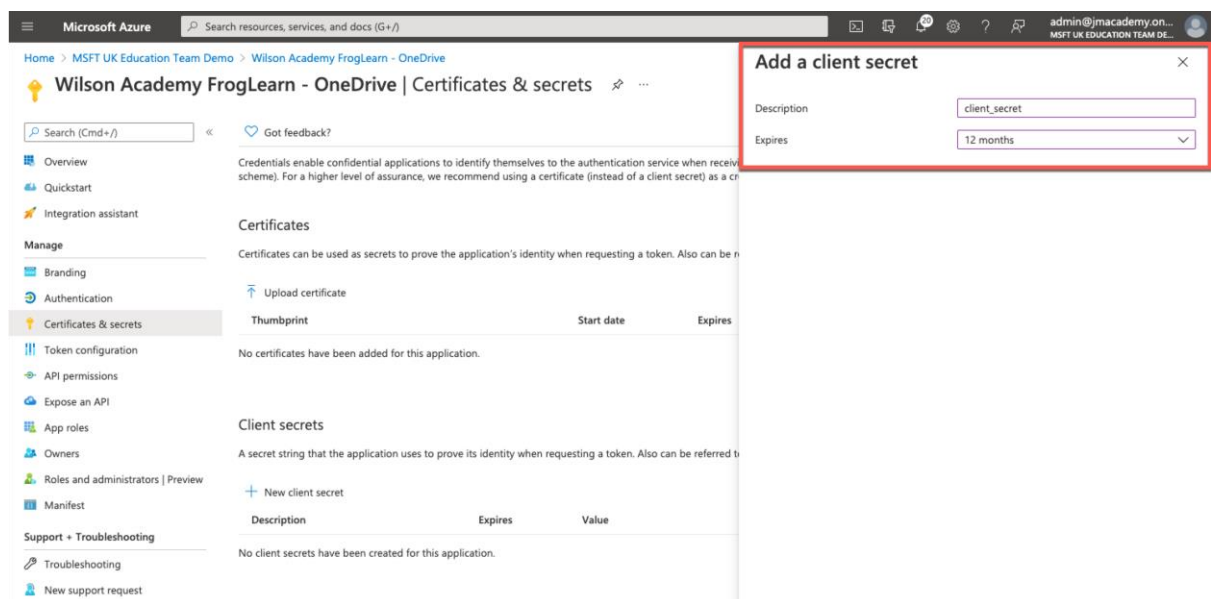
An **Add a client secret** pop-up window will be displayed on the right-hand side.

Complete the following fields to create a unique shared password for the OneDrive integration:

- **Description** – Enter the text **client_secret**.
- **Expires** – This will be up to the school as to the length of time the unique shared password between the Frog platform and Office 365 is to be active. You will have the following choices:
 - Recommended: 6 months
 - 3 months
 - 12 months
 - 18 months
 - 24 months
 - Custom

In this example, we have opted to select the option **12 months**.

NOTE - Please keep in mind though that in a year you will need to re-generate a new unique shared password for the integration to stay active.



When happy with the information entered select the **Add** button.

Add a client secret

Description: client_secret

Expires: 12 months

Buttons: Add, Cancel

The unique shared password will be displayed under the **Value** field. Copy this password into a text file for use later.

NOTE – Please be aware that after you exit this page, the password can't be retrieved again.

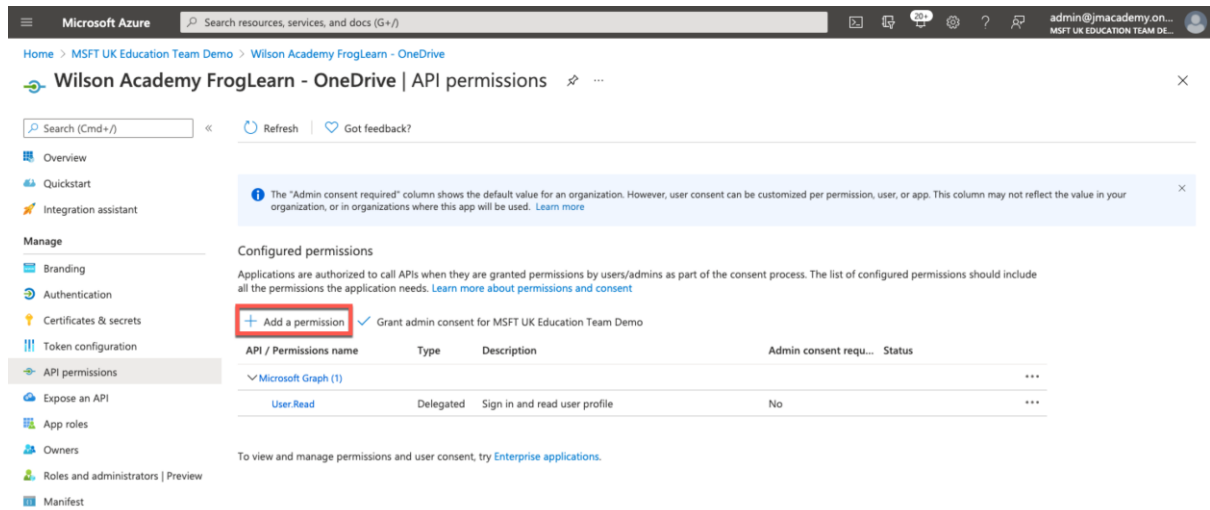
Client secrets

Description	Expires	Value	Secret ID
client_secret	6/22/2022	uGdd2_-u8C-R-3_46R22qYuz5KQk80.	228203d7-6b3b-4a17-8cab-87216879f7b4

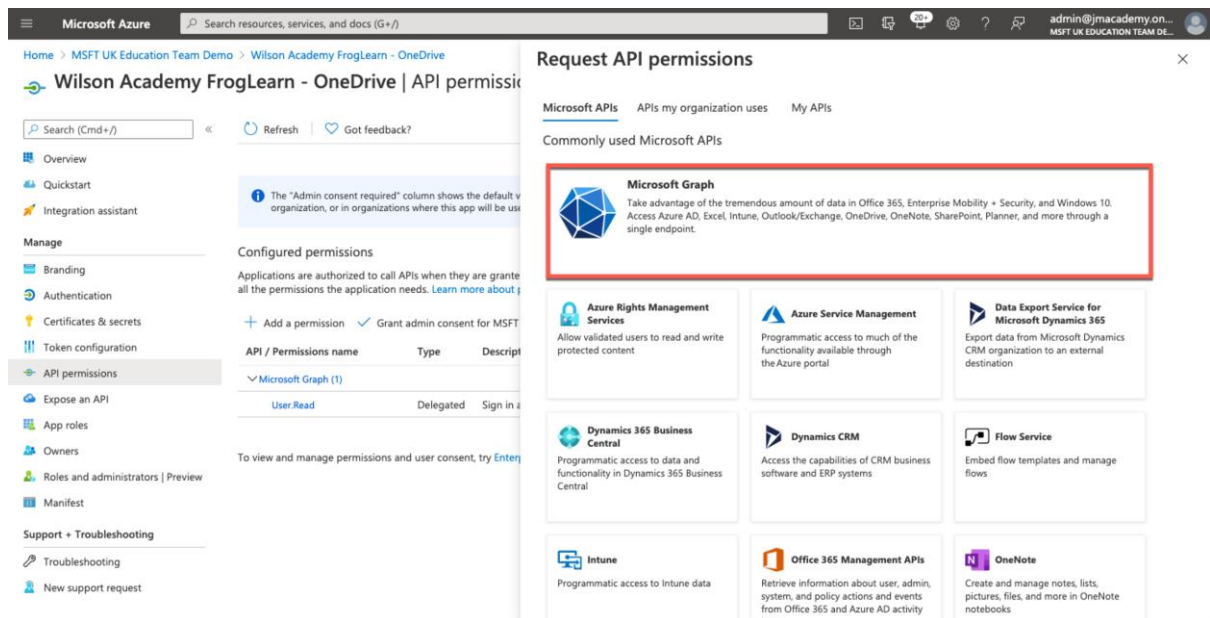
The next step is to configure the permissions the Frog platform will have to the Office 365 tenancy. Select **API permissions** from the left-hand side menu.

API permissions

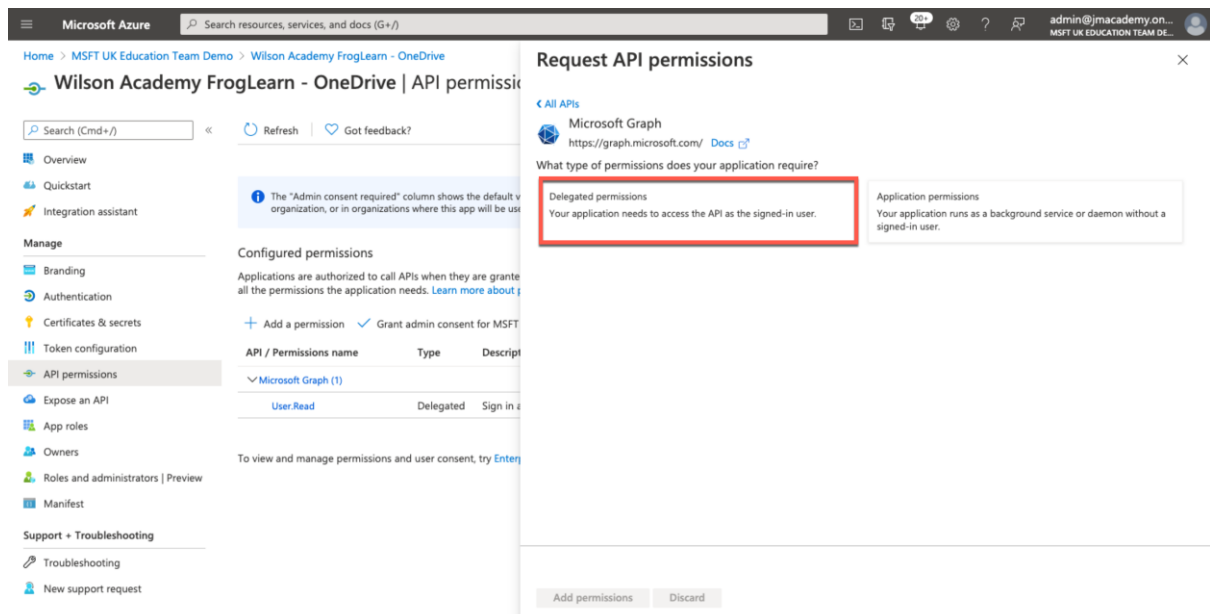
Within the **API permissions** options, select the **Add a permission** link within the **Configured permissions** section.



A **Request API permissions** pop-up window will be displayed on the right-hand side. Select the option **Microsoft Graph**.



Within the **Microsoft Graph** options, select **Delegated permissions**.



Within the search box just below **Select Permissions**, enter in the text **files**.

A search on all available permissions will be returned. Expand the **Files** section and then select the following option:

- **Files.ReadWrite.All** – Have full access to all files user can access

The screenshot shows the 'Request API permissions' dialog in the Microsoft Azure portal. The search box contains the text 'files'. The 'Files' section is expanded, and the 'Files.ReadWrite.All' permission is selected. The dialog also shows a table of permissions and their admin consent requirements.

Permission	Admin consent required
<input type="checkbox"/> Files.Read (Read user files)	No
<input type="checkbox"/> Files.Read.All (Read all files that user can access)	No
<input type="checkbox"/> Files.Read.Selected (Read files that the user selects (preview))	No
<input type="checkbox"/> Files.ReadWrite (Have full access to user files)	No
<input checked="" type="checkbox"/> Files.ReadWrite.All (Have full access to all files user can access)	No
<input type="checkbox"/> Files.ReadWrite.AppFolder (Have full access to the application's folder (preview))	No
<input type="checkbox"/> Files.ReadWrite.Selected (Read and write files that the user selects (preview))	No

Next enter in the text **offline** within the search box.

A search on all available permissions will be returned. Expand the **OpenID permissions** section and then select the following option:

- **offline_access** – Maintain access to data you have given it access to

The screenshot shows the 'Request API permissions' dialog in the Azure portal. The left sidebar contains navigation options like 'Overview', 'Quickstart', and 'API permissions'. The main area displays the 'Microsoft Graph' API and the 'Select permissions' section. A search bar at the top of the permissions list contains the word 'offline'. Below it, the 'OpenId permissions' section is expanded, showing a table with one row: 'offline_access' with a checked checkbox and 'No' in the 'Admin consent required' column. At the bottom of the dialog, the 'Add permissions' button is highlighted with a red box.

Permission	Admin consent required
<input checked="" type="checkbox"/> offline_access Maintain access to data you have given it access to	No

When happy with the permissions selected, click on the **Add permissions** button.

The screenshot shows the 'API permissions' page in the Azure portal. The left sidebar is the same as in the previous screenshot. The main area displays the 'Configured permissions' section, which contains a table with one row: 'User.Read' with a type of 'Delegated' and 'Sign in' as the description. At the bottom of the page, the 'Add permissions' button is highlighted with a red box.

API / Permissions name	Type	Description
User.Read	Delegated	Sign in

You be returned to the **API permissions** page. Under the section **Configured permissions**, you will see an overview of the API's selected for the integration.

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Wilson Academy FrogLearn - OneDrive | API permissions

Search (Cmd+/) | Refresh | Got feedback?

You are editing permission(s) to your application, users will have to consent even if they've already done so previously.

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

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 MSFT UK Education Team Demo

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (3)				
Files.ReadWrite.All	Delegated	Have full access to all files user can access	No	...
offline_access	Delegated	Maintain access to data you have given it access to	No	...
User.Read	Delegated	Sign in and read user profile	No	...

The OneDrive setup within the Office 365 tenancy is nearly completed. The last action that you need to complete is to take note of the identifiers for the fields below:

- Application (client) ID
- Directory (tenant) ID

Select **Overview** from the left-hand side menu.

Microsoft Azure | Search resources, services, and docs (G+)

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Wilson Academy FrogLearn - OneDrive | API permissions

Search (Cmd+/) | Refresh | Got feedback?

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+ Add a permission | Grant admin consent for MSFT UK Education Team Demo

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (3)				
Files.ReadWrite.All	Delegated	Have full access to all files user can access	No	...
offline_access	Delegated	Maintain access to data you have given it access to	No	...
User.Read	Delegated	Sign in and read user profile	No	...

Within the **Essentials** section, copy the identifiers displayed for the fields below into a text file for use later:

- **Application (client) ID** – e.g. **988b3dfe-4f72-4d40-9727-b9f8dcb5fd83**
- **Directory (tenant) ID** – e.g. **8acced50-8c19-42cf-b3f3-2655af328818**

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Wilson Academy FrogLearn - OneDrive

Search (Cmd+/) | Delete | Endpoints | Preview features

Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developer). →

Essentials

Display name	: Wilson Academy FrogLearn - OneDrive	Client credentials	: 0 certificate, 1 secret
Application (client) ID	: 988b3dfe-4f72-4d40-9727-b9f8dcb5fd83	Redirect URIs	: 2 web, 0 spa, 0 public client
Object ID	: 0f3cf4a5-007a-4adc-9f1e-088de1b4d895	Application ID URI	: Add an Application ID URI
Directory (tenant) ID	: 8acced50-8c19-42cf-b3f3-2655af328818	Managed application in L...	: Wilson Academy FrogLearn - OneDrive

Supported account types : My organization only

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Just to reiterate the items that you should have noted in your text file for use later are below:

- **Client Secret** - uGdd2_-u8C~R.~3_46R22qYu2y5KQk80..
- **Application (client) ID** – 988b3dfe-4f72-4d40-9727-b9f8dcb5fd83
- **Directory (tenant) ID** – 8acced50-8c19-42cf-b3f3-2655af328818

Please refer to the document **3 - Office 365 - OneDrive Preferences v2.0** for steps on how to configure your FrogLearn platform with your Office 365 tenancy in order to integrate OneDrive.