## 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 <u>https://portal.azure.com</u>. Enter your school's Office 365 administrator account for the tenancy and then select the **Next** button.

Microsoft Azure	
Microsoft Sign in to Microsoft Azure admin@jmacademy.onmicrosoft.com	
Next No account? Create one!	
Can't access your account?	

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

Microsoft Azure	
Microsoft	
admin@jmacademy.onmicrosoft.com	1
Back Sign in Forgotten my password	

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

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



Select New registration.

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8	Users						
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щ,	Enterprise applications						
	Devices						
Ш,	App registrations						
۵	Identity Governance						
8	Application proxy						
4	Licenses						
•	Azure AD Connect						

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.
  - 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 (kity scale Po directory - Multitenant)     Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)							
O 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.							
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When happy with the information entered select the **Register** button.

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By proceeding, you agree to the	Microsoft Platform Policies 👩					
Register						
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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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Branding	Application (client) ID : 988b3dfe-4f72-4d40-9727-b9f8dct	Sfd83 Redirect	t URIs : 1 web, 0 spa, 0 public client	t)
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Authentication	Directory (tenant) ID : 8acced50-8c19-42cf-b3f3-2655af3	28818 Manage	ed application in I : Wilson Academy FrogLearn	- OneDrive
Certificates & secrets	Supported account types : My organization only			
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App roles	updates but we will no longer provide feature updates. Appli	ations will need to be upgraded to Microsoft Auther	ntication Library (MSAL) and Microsoft Graph. Learn r	more
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11 Manifest				
Support + Troubleshooting	Build your a	application with the Mic	rosoft identity platform	
P Troubleshooting	The Microsoft identity platfor	m is an authentication service, open-source librar	ries, and application management tools. You can	create
New support request	modern, standards-based authe	ntication solutions, access and protect APIs, and	add sign-in for your users and customers. Learn	more
		a la		•
	Call APIs	Sign in users in 5 minutes	Configure for your o	organization
	Build more powerful apps with rich user and business data from Microsoft services and your own company's data sources.	Use our SDKs to sign in users and call steps. Use the quickstarts to start a we app, SPA, or daemon app.	APIs in a few Assign users and groups, b app, mobile policies, configure single Enterprise applications.	apply conditional access sign-on, and more in
	View API permissions	View all quickstart guides	Go to Enterprise app	lications

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.

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📍 Certificates & secrets	Redirect URIs			
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API permissions	reply UKLS, Learn more about Redirect UKIS and their restrictions			
🗠 Expose an API	https://wilson-academy.frogtest.co.uk/app/acceptonedrivebusinessauth		Û	
🔣 App roles	Add URI			
Owners				

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.

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<ul> <li>Authentication</li> <li>Certificates &amp; secrets</li> </ul>	Web     Quidktart Docs     Docs	
<ul> <li>Token configuration</li> <li>API permissions</li> </ul>	The URIs we will accept as destinations when returning authentication responses (tokens) after successfully authenticating or signing out users. Also referred to as reply URLs. Learn more about Redirect URIs and their restrictions <sup>1</sup> / <sub>2</sub>	
<ul> <li>Expose an API</li> <li>App roles</li> </ul>	https://wilson-academy.frogtest.co.uk/app/acceptonedrivebusinessauth	
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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.

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

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Ø	Troubleshooting	No client secrets have been created for this	application.									
2	New support request											

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
  - o 3 months
  - o 12 months
  - o 18 months
  - o 24 months
  - o 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.

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When happy with the information entered select the Add button.

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Home > MSFT UK Education Team Den	no > Wilson Academy FrogLearn - One rogLearn - OneDrive ( C Credentials enable confidential applica scheme). For a higher level of assurance Certificates Certificates can be used as secrets to p	Drive Certificates & see tions to identify themselves to a verecommend using a cert rove the application's identity	crets 🖈 …	rice when receivi nt secret) as a cr en. Also can be n	Add a client see	cret client_secret 12 months	×
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Support + Troubleshooting     Troubleshooting     New support request	No client secrets have been created for	this application.			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.

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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.

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

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🚀 Integration assistant	organization, or in organizatio	ns where this ap	p will be used. Learn more					,		
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Branding	Applications are authorized to call	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								
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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



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



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

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Image: Support + Troubleshooting     To view and manage permissions and user consent, ty Enter     OpenId permissions (1)       Image: Support + Troubleshooting     Offline_access (0)     No
Roles and administrators   Preview     offline_access     0       Mainfest     Maintain access to data you have given it access to     No
Support + Troubleshooting
// Troubleshooting
Rew support request
Add permissions Discard

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.



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.

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Home > MSFT UK Education 1	Team Demo → Wilson Academy FrogLearn my FrogLearn - OneDriv	e   API per	rmissions 🖈 …							×
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Overview     Quickstart	You are editing permission	(s) to your application	on, users will have to consent even if they've already done so p	previously.						
Manage	The "Admin consent requir organization, or in organization."	ed" column shows t ations where this ap	he default value for an organization. However, user consent ca p will be used. Learn more	an be customized per per	mission, u	ser, or app	. This col	umn may not	reflect the value in your	×
Authentication     Certificates & secrets     Token configuration	Configured permissions Applications are authorized to c all the permissions the application	all APIs when they on needs. Learn m	are granted permissions by users/admins as part of the co ore about permissions and consent	consent process. The lis	t of config	gured per	missions	should inclu	de	
API permissions     Expose an API	Add a permission V G	rant admin consen Type	t for MSFT UK Education Team Demo Description	Admin consent	requ	Status				
App roles	✓ Microsoft Graph (3) Files ReadWrite All	Delegated	Have full access to all files user can access	No						
<ul> <li>Roles and administrators   Pr</li> </ul>	review offline_access	Delegated	Maintain access to data you have given it access to	No						
Manifest	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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🔎 Search (Cmd+/) « 📋 Delete 🕀 Endpoints 🐻 Preview features			
Overview     Got a second? We would love your feedback on Microsoft identity platfi     Julckstart	n (previously Azure AD for developer). $\rightarrow$		
💉 Integration assistant 🔿 Essentials			
Manage Display name : Wilson Academy FrogLearn - OneDrive	Client credentials : 0 certificate, 1 secret		
Branding         Application (client) ID         : 988b3dfe-4f72-4d40-9727-b9f8dcb5fd83           Object ID         : 0f3cf4a5-007a-4adc-9f1e-088de1b4d895	Redirect URIs : 2 web, 0 spa, 0 public client Application ID URI : Add an Application ID URI		
Authentication     Directory (tenant) ID : 8acced50-8c19-42cf-b3f3-2655af328818     Certificates & secrets     Supported account types : My organization only	Managed application in L. : Wilson Academy FrogLearn - Or	eDrive	
	ure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide to Ill need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. Learn more	chnical support and security $  imes$	

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.