

One Drive Crawler Documentation

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Introduction

This is a short guide aimed at showing how to configure Microsoft Azure to enable the SimSage One Drive crawler.

Prerequisites

To setup the One Drive crawler in SimSage, be sure you have the following credentials at hand:

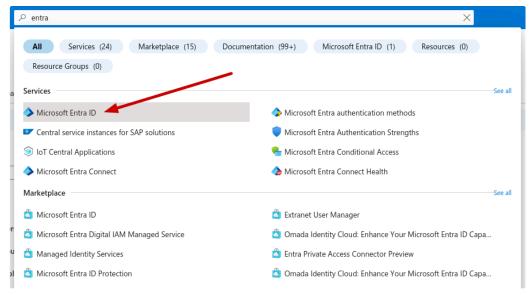
- Tenant ID the ID
- Client ID
- Client Secret
- Redirect URL



If you do not have these credentials at hand, continue reading.

Tenant ID via Microsoft Entra ID

Sign-in to Microsoft Azure and search for Microsoft Entra ID; select it:



Searching for Microsoft Entra ID

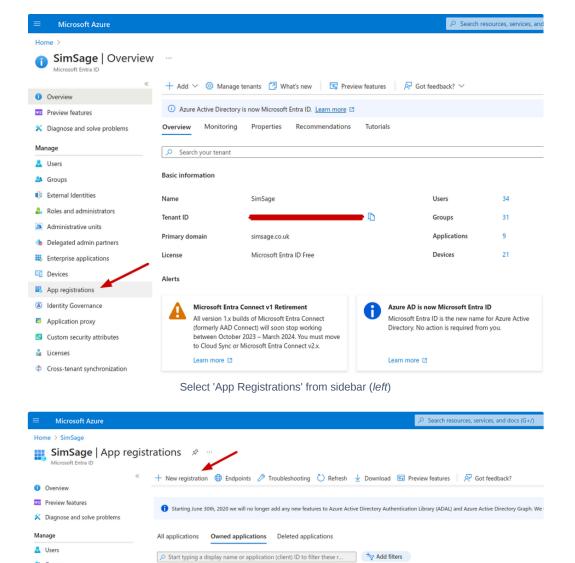
You should be greeted with the following page, which will describe you tenant ID:



Copy the Tenant ID. We will need this later to configure the crawler.

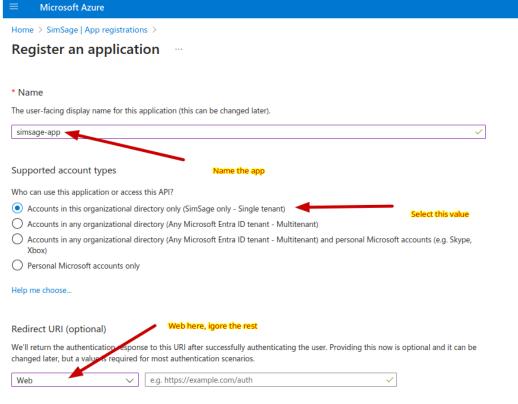
Client ID

Assuming you are currently on the *Microsoft Entra ID* page (see above); click on "App registrations" on the left-hand side menu and click on "+ New registration" at the top menu bar of the App registrations screen:



Select '+ New Registration' from tab-bar

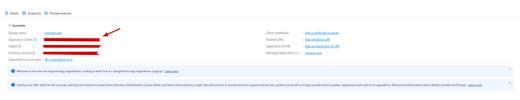
In the Name section, enter a meaningful application name, for example simsage-app. In the Supported account types section, select Accounts in this organizational directory only (tenant name only – Single tenant), where tenant name is the name of your *Azure tenant*. Click "Register" button at the bottom to create the application:



New Application

Redirect URL is not required here.

Once this has been created, you will be redirected to the previous page, copy the client ID, we will need it later to set up the Crawler (see below):



Client ID

This lends us nicely to grabbing our client secret.

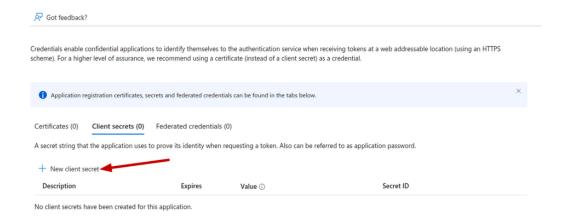
Client Secret

Assuming you have done the above, click on the application and select "Add a certificate or secret" in the following screen:



Selecting "Add a certificate or secret" via app registrations page

You should now be redirected to the below page. Select "+ New client secret":



Selecting "+ New client secret"

In the sidebar now displayed, give the Secret an appropriate description and expiry period:



Adding client secret via sidebar (right)

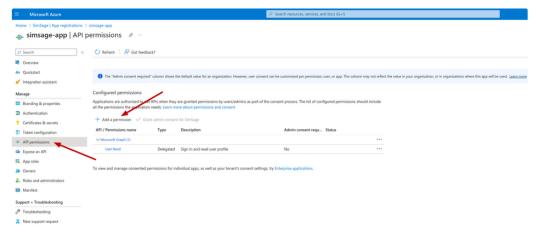
Select 'Add' at the bottom of this side-bar to generate the secret - copy and keep it safe for the crawler configuration.



⚠ IMPORTANT - This new secret will only show itself once. Copy its value and keep it somewhere safe so you can refer to it when asked by SimSage later.

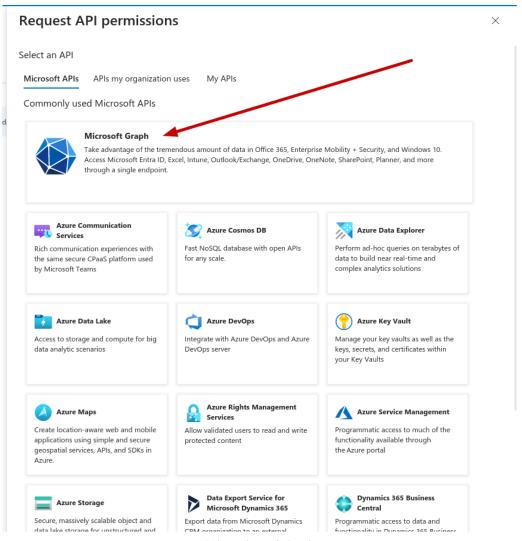
Checking Permissions

Lastly, we need to add the relevant Permissions to our Application. Click "API permissions" in the left-hand-side menu. Click "+ Add a permission" in the new pane that appears.



Selecting 'Add a permission' via API permissions page

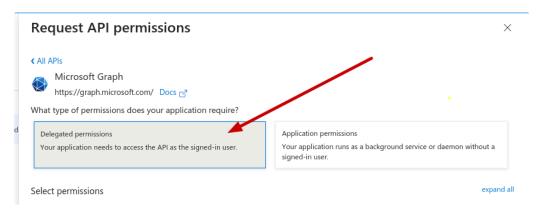
Select "Microsoft Graph" and select "Application permissions":



Select Microsoft Graph

Request API Permissions

Select the 'Delegated permissions' option



Selecting Delegated Permissions Option

Then start typing in the "Select permissions" text box. You need to select the following permissions:

- Files.Read.All
- User.Read
- User.ReadBasic.All

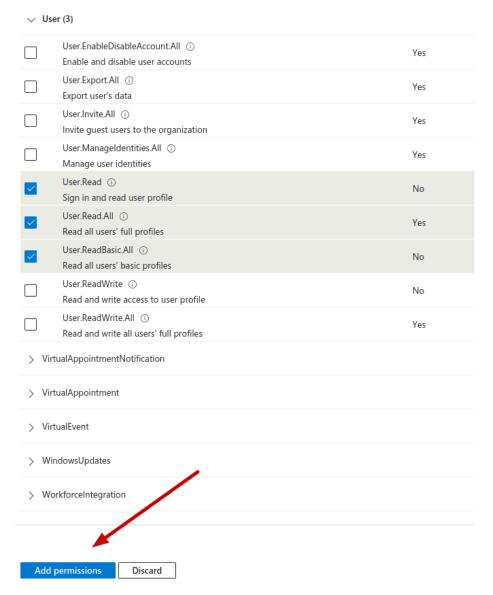
Use the provided search bar and type "files" and/or "user" if you struggle to find these.

You should have the following:

	√ File:	5 (1)		
		Files.Read ① Read user files		No
	<u> </u>	Files.Read.All ① Read all files that user can access		No
		Files.Read.Selected ① Read files that the user selects (preview)		No
		Files.ReadWrite ① Have full access to user files		No
		Files.ReadWrite.All ① Have full access to all files user can access		No
		Files.ReadWrite.AppFolder ① Have full access to the application's folder (preview)		No
		Files.ReadWrite.Selected ① Read and write files that the user selects (preview)		No
	File Permission Settings			
∨ User (3)				
		inableDisableAccount.All ① e and disable user accounts	Yes	
		xport.All ① t user's data	Yes	
		nvite.All ① guest users to the organization	Yes	
		∕lanageldentities.All ① ge user identities	Yes	
~		Read ① n and read user profile	No	
~		tead.All ① all users' full profiles	Yes	
✓		teadBasic.All ① all users' basic profiles	No	
		ReadWrite ① and write access to user profile	No	
		ReadWrite.All ① and write all users' full profiles	Yes	

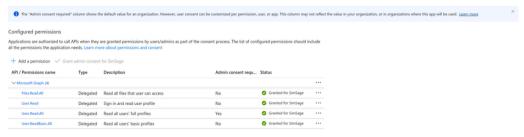
User Permission Settings

Click 'Add permissions' at the bottom of the side bar:



Add Permissions

Once added make sure the permissions have Admin Consent by pressing "Grant Admin Consent" button:



Granted Permissions

Talk to your manager if you cannot select 'Grant admin consent for SimSage' - they may need to grant permissions on your behalf

Basic Crawler Setup

In the Crawler Dialog select the OneDrive crawler and on the "OneDrive crawler" page add the following values:

- Domain name: <Your Azure Tenant Id>
- Client Id: <Application Client ID>
- Client Secret < Application Client Secret>

Crawl Through Specific One Drive Accounts