

Create App Registration to be used with Microsoft Graph API

1. Navigate to the App registrations blade in the Azure AD portal
 - a. https://aad.portal.azure.com/#blade/Microsoft_AAD_IAM/ActiveDirectoryMenuBlade/RegisteredApps
2. Create a **New Registration**
3. Give your application a name and click **Register**

Azure Active Directory admin center

Dashboard > Josh's Lab >

Register an application

* Name

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

Microsoft Graph API app ✓

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (Josh's Lab 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.

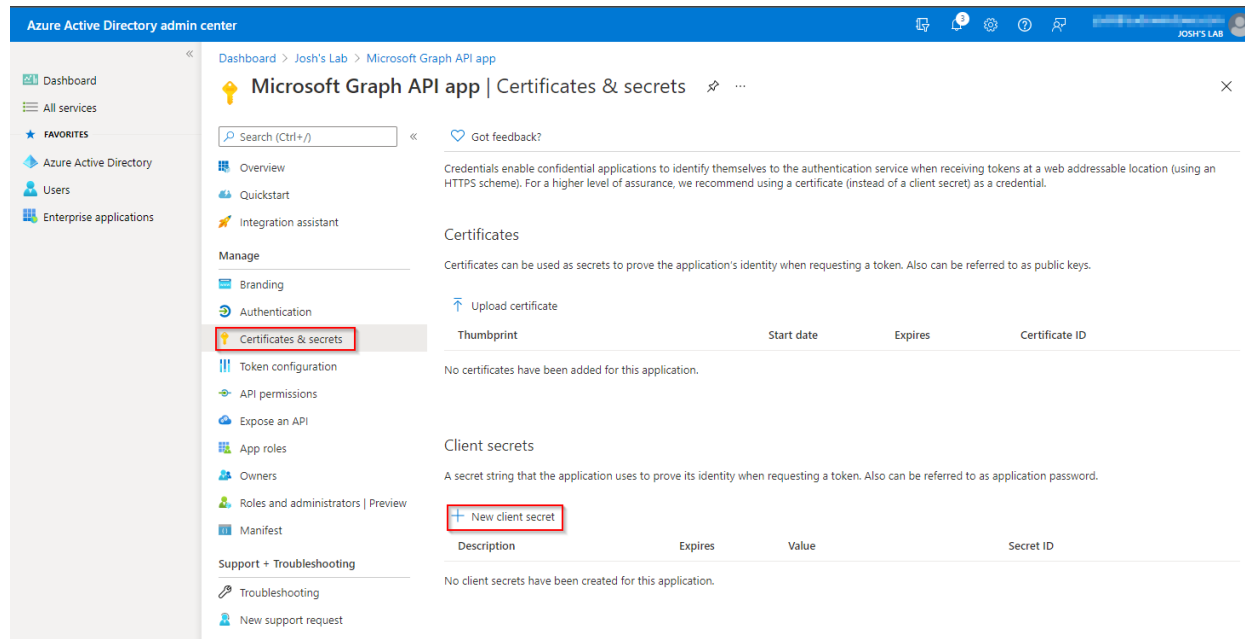
Web ▼ e.g. https://example.com/auth

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

- a.
4. Navigate to **Certificates & Secrets** then click on **New Client Secret**



a.

5. Give your Client Secret a Description and an expiration time, then click **Add**

Add a client secret



Description

Graph API secret

Expires

Recommended: 6 months

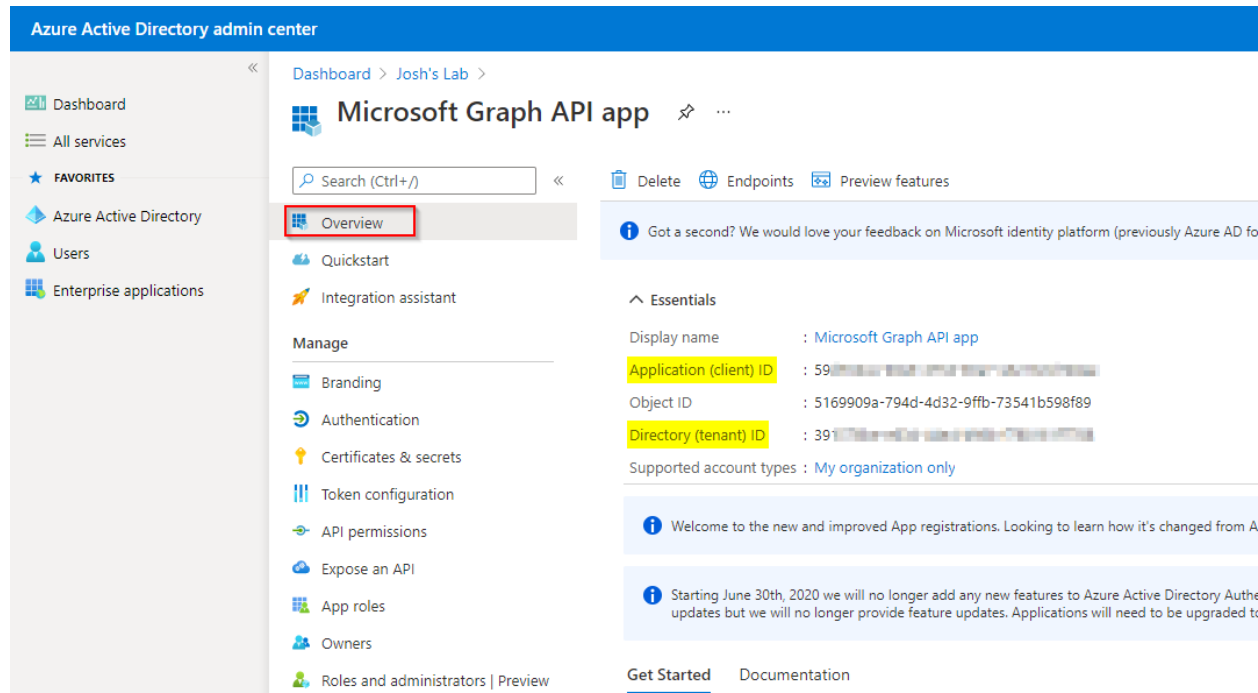


Add

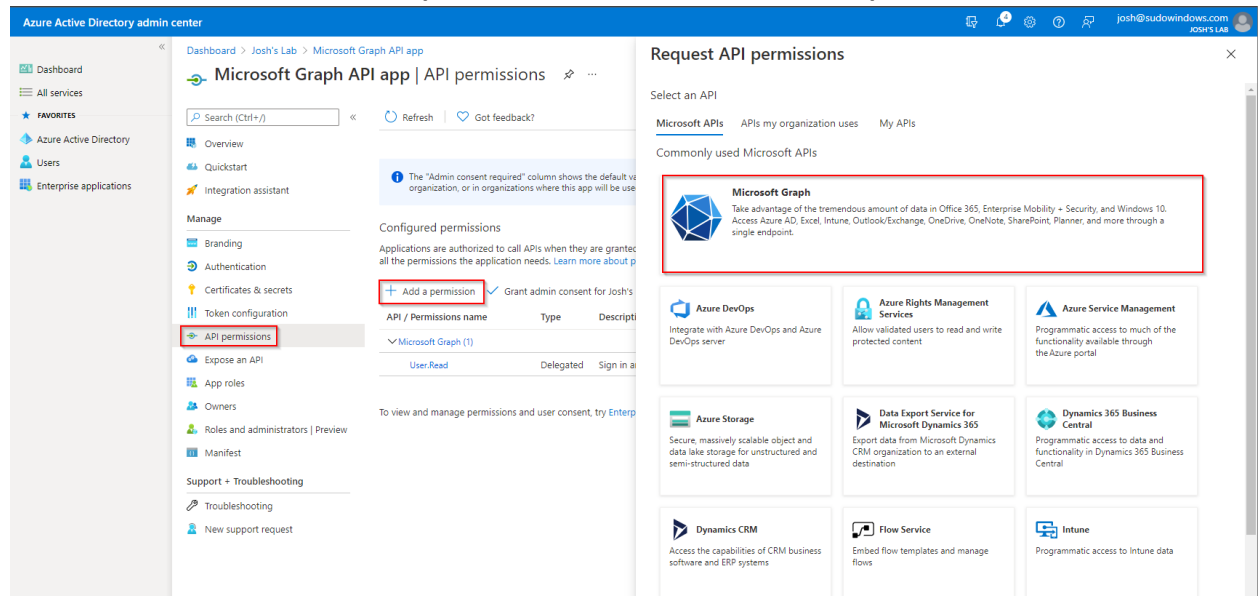
Cancel

a.

6. Make sure to note the Value of the new Client secret. This will be needed later.
7. Head back to the Overview tab and take note of the Application/Client ID as well as your tenant ID to be used later as well.



- a.
8. Go to the **API Permissions** tab, click **Add a permission** then select **Microsoft Graph**



- a.
9. Select **Application Permissions**
 10. Find the Permissions for AuditLogs.Read.All, Organization.Read.All, Reports.Read.All, and User.Read.All check the boxes for those permissions then select **Add Permission**
 11. Select **Delegated Permissions**
 12. Find the Permissions for AuditLogs.Read.All and Directory.Read.All check the boxes for those permissions then select **Add Permission**
 13. You should now see these permissions added
 14. We will need to grant admin consent for these permissions so click on **Grant admin consent for <Your Organization>** when prompted select **Yes** to grant consent

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 Josh's Lab

API / Permissions name	Type	Description	Admin consent requ...	Status	
▼ Microsoft Graph (5)					...
AuditLog.Read.All	Application	Read all audit log data	Yes	✔ Granted for Josh's Lab	...
Organization.Read.All	Application	Read organization information	Yes	✔ Granted for Josh's Lab	...
Reports.Read.All	Application	Read all usage reports	Yes	✔ Granted for Josh's Lab	...
User.Read	Delegated	Sign in and read user profile	No	✔ Granted for Josh's Lab	...
User.Read.All	Application	Read all users' full profiles	Yes	✔ Granted for Josh's Lab	...

a.

15. Now that you have the App Registration setup and configured, we can move over to our Powershell Script