

SwiftPack Studio

Package Automation Studio

USER GUIDE

Register an Application in Intune

Register an app in Microsoft Entra so SwiftPack Studio can publish to Intune

[Register app](#) → [Configure authentication](#) → [Grant API permissions](#) → [Configure SwiftPack Studio](#)

Product	SwiftPack Studio 1.0.0
Document version	1.0

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 Note

This contents list and all page numbers are automatic. To refresh them in Word, select all (Ctrl+A) and press F9, or right-click the list and choose “Update Field”. The document is set to update fields automatically the first time you open it.

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1 Register the application

1. Sign in to the Microsoft Entra admin center at <https://entra.microsoft.com>.
2. Go to **App registrations**.

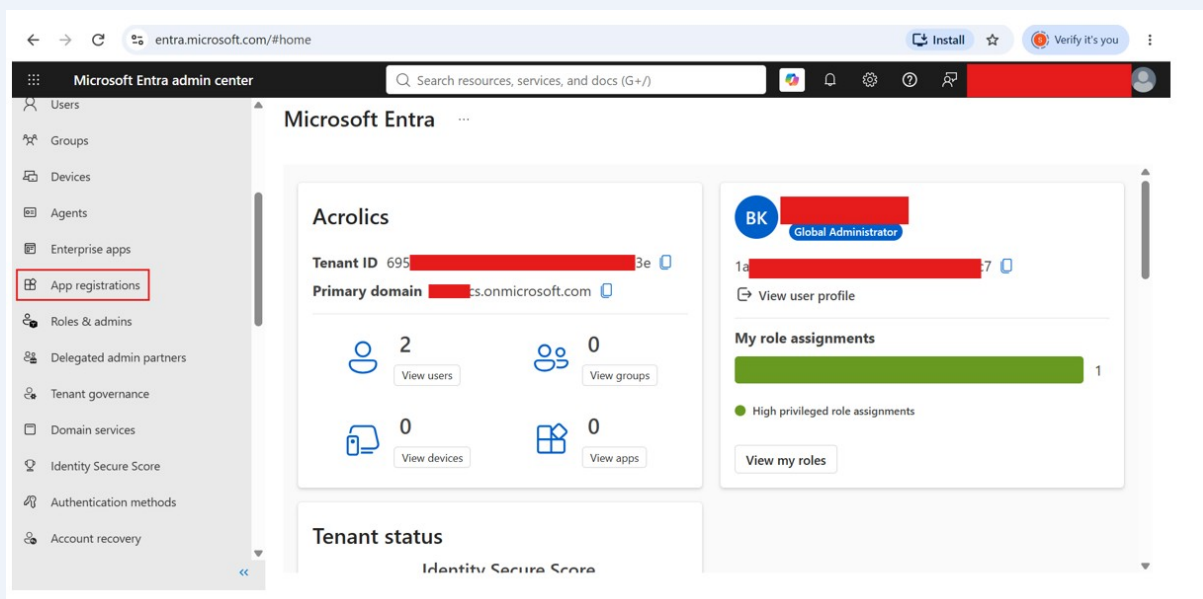


Figure 1

3. Select **+ New registration**.

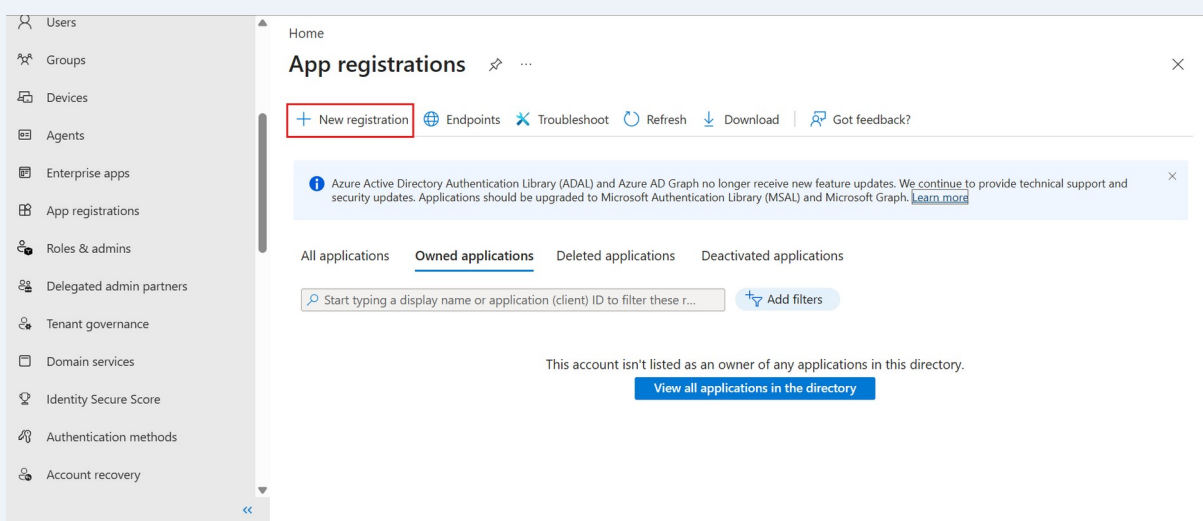


Figure 2

4. Enter a **Name**, for example SwiftPack Studio. Under **Supported account types**, choose **Single tenant only** and leave **Redirect URI** empty for now, then select **Register**.

Home > App registrations

Register an application

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

SwiftPack Studio

Supported account types
Choose the account types that can use this application or access this API

Single tenant 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

By proceeding, you agree to the Microsoft Platform Policies

Register

Figure 3

- On the app's **Overview** page, copy the **Application (client) ID** value. You will enter this value later in SwiftPack Studio under "Auto Package > Settings > Client ID" and "Publish Package > Settings > Client ID."

Application (client) ID : e.g. 37fc9965-dfb4-420d-981f-de1297616525

Home > App registrations

SwiftPack Studio

Deactivate Delete Endpoints

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

Essentials

Display name
SwiftPack Studio

Application (client) ID
37fc9965-dfb4-420d-981f-de1297616525

Object ID
16f1b1b1-b7b1-4b7b-8b7b-1b7b1b7b1b7b

Directory (tenant) ID
695b1b1b-b7b1-4b7b-8b7b-1b7b1b7b1b7b

Supported account types
My organization only

Client credentials
Add a certificate or secret

Redirect URIs
Add a Redirect URI

Application ID URI
Add an Application ID URI

Managed application in local directory
SwiftPack Studio

State
Activated

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

Figure 4

2 Configure authentication (public client, no secret)

- In the app, open **Manage > Authentication** and select **+ Add a platform**.

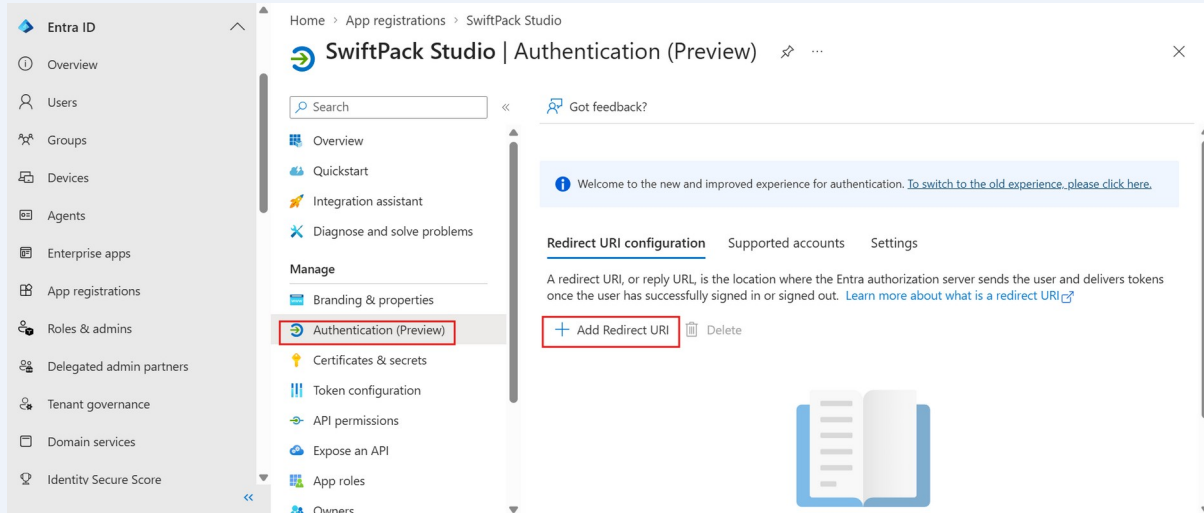


Figure 5

2. Click on **Mobile and desktop applications**.

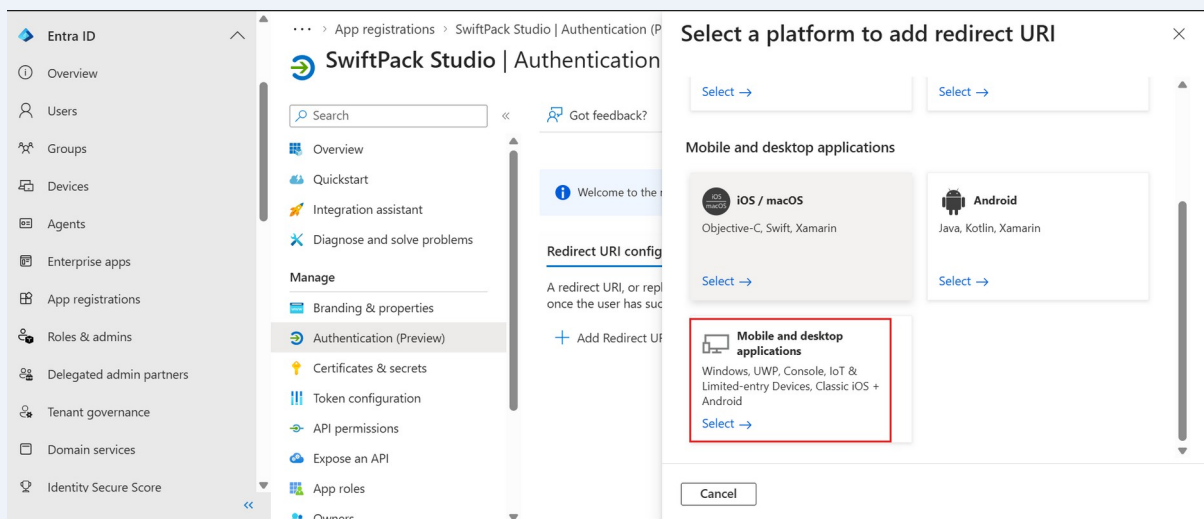
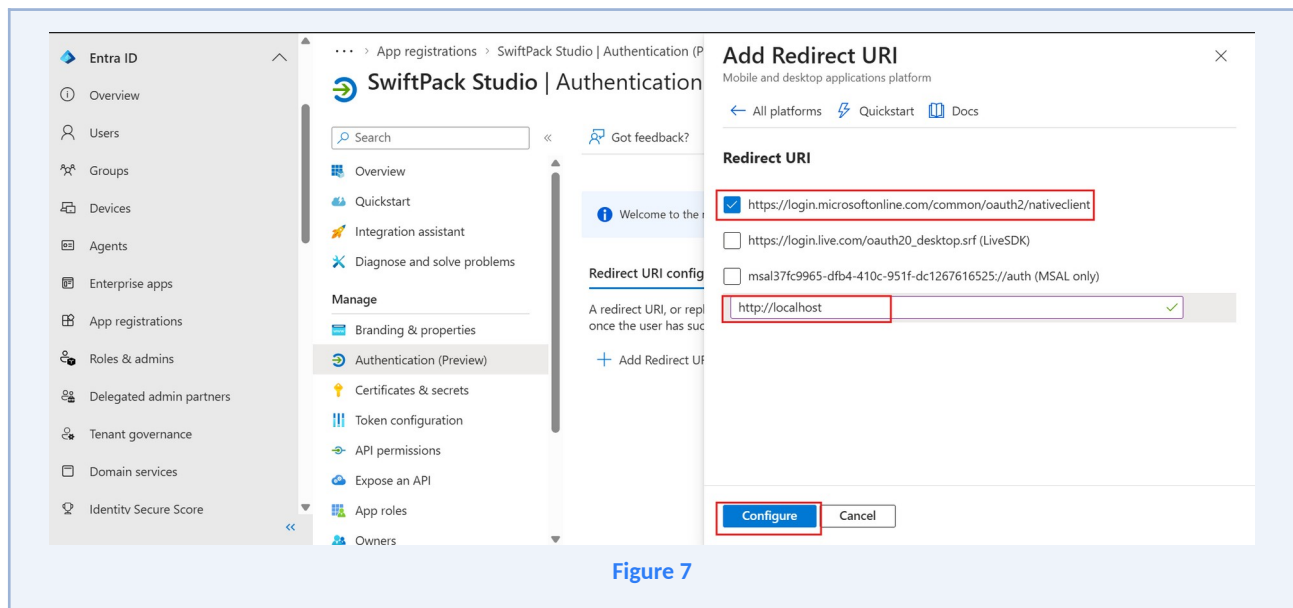
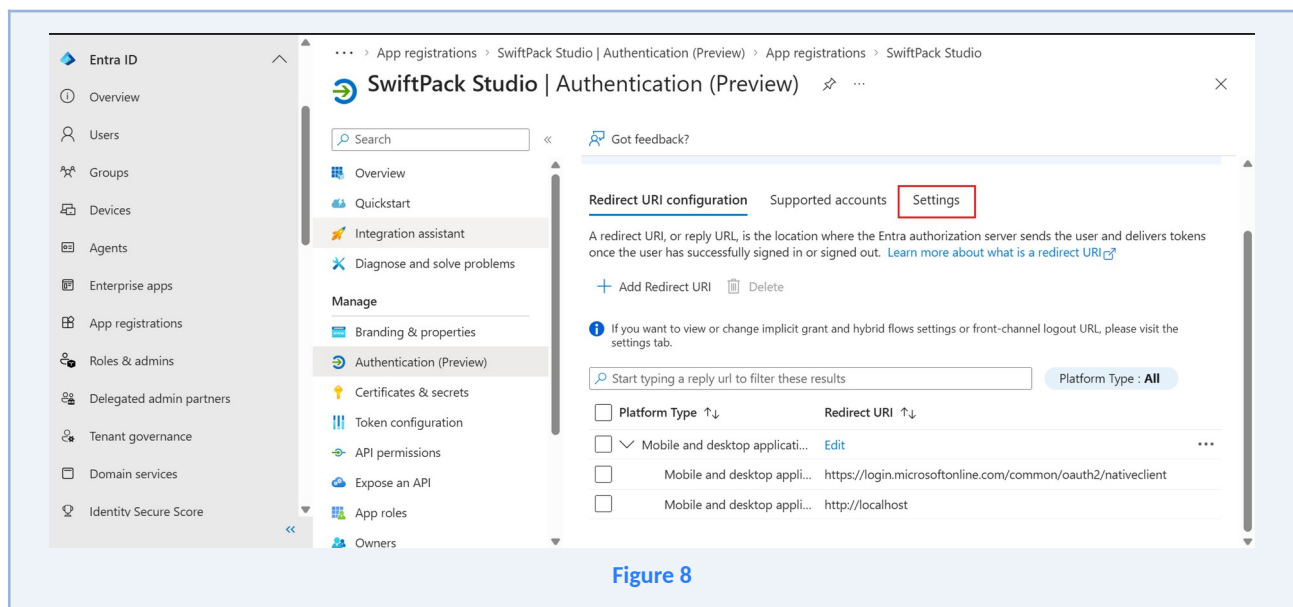


Figure 6

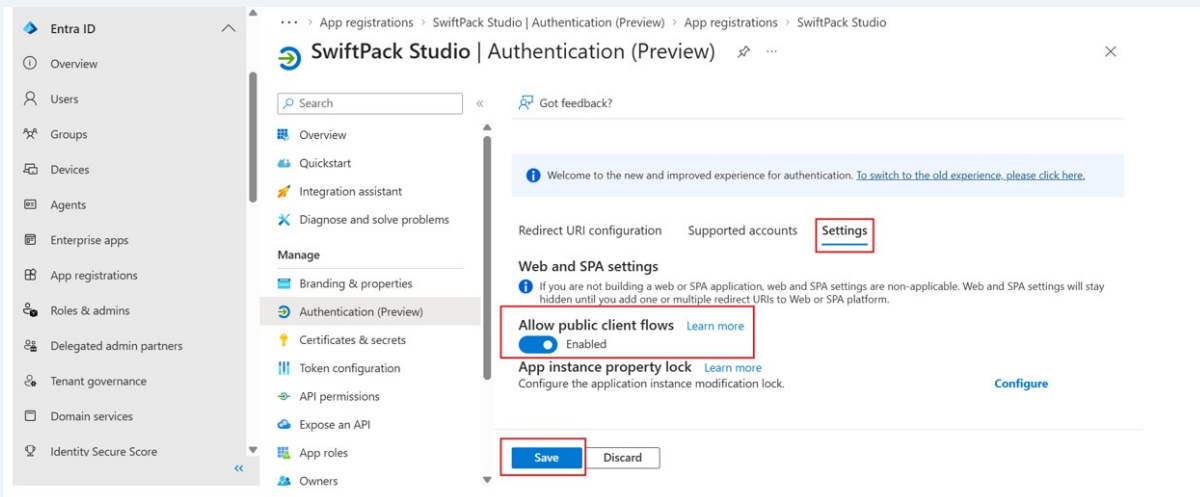
3. Tick the suggested redirect URI `https://login.microsoftonline.com/common/oauth2/nativeclient`, and in the **Custom redirect URIs** box also add `http://localhost`, then select **Configure**. Then close the Add Redirect URI window.



4. Select Settings.

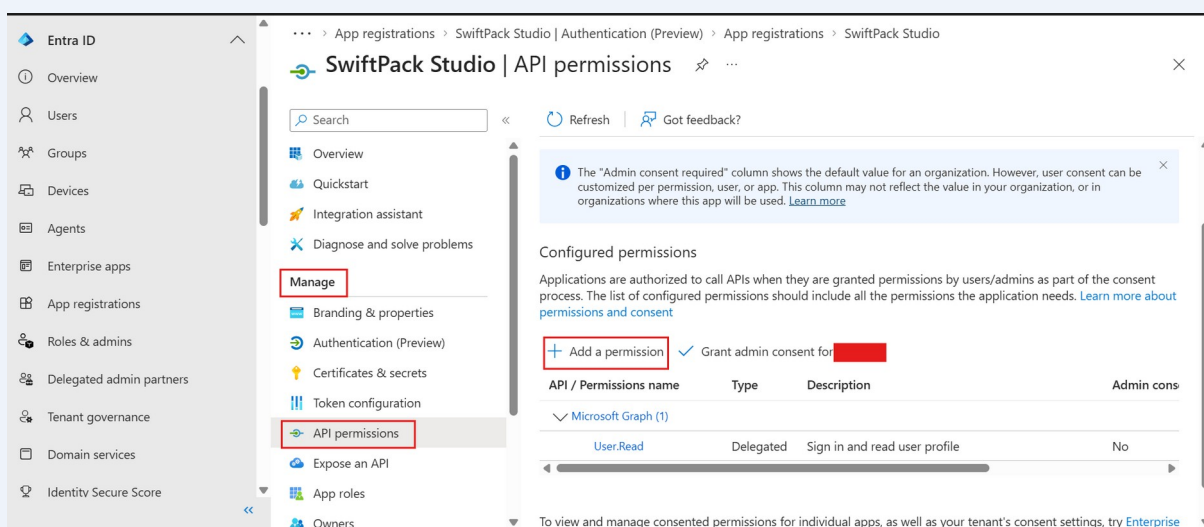


5. Set "Allow public client flows" to "Yes" or "Enabled," depending on the portal display, and select "Save."

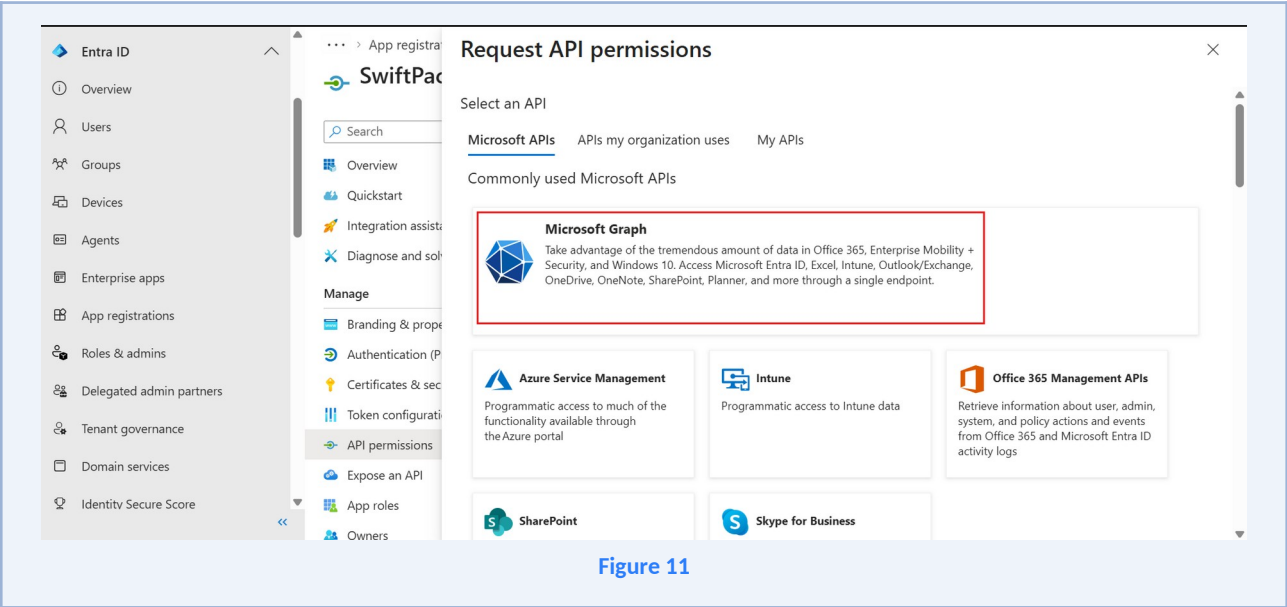


3 Add the Microsoft Graph API permissions

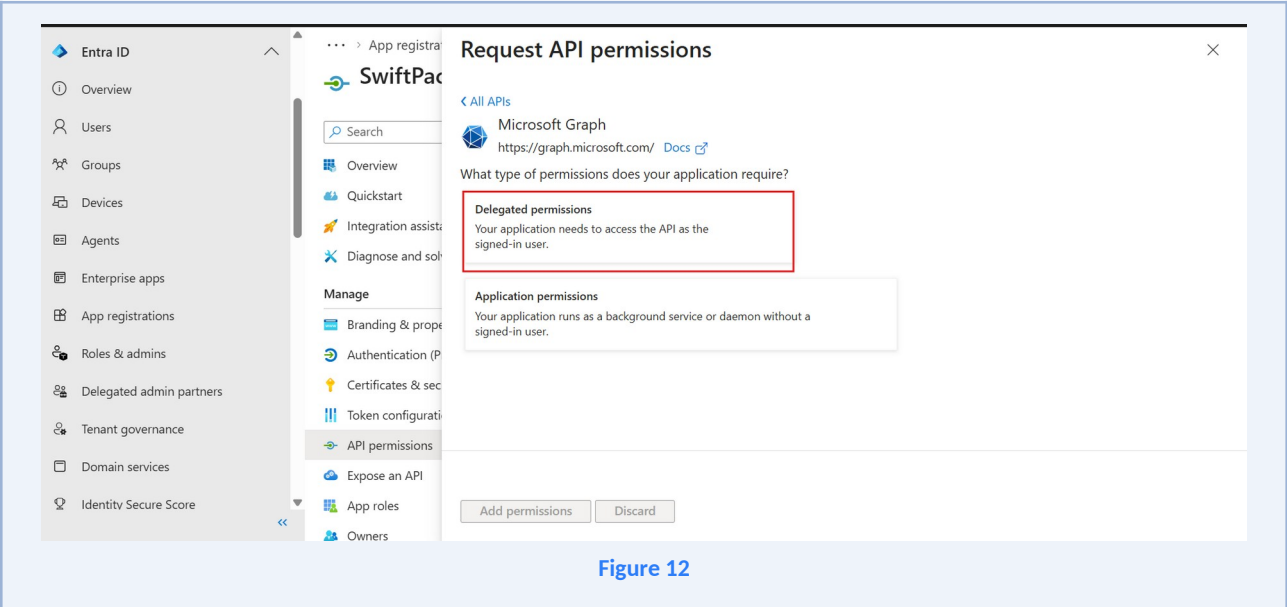
1. In the app, open **Manage > API permissions**. Select **+ Add a permission**.



2. Click **Microsoft Graph**.



3. Click Delegated permissions.



4. Search for and add the permissions in the table below.

Microsoft Graph permission	Required ?	What it is used for in SwiftPack
----------------------------	------------	----------------------------------

DeviceManagementApps.ReadWrite.All	Required	The core publish permission . Creates the Win32 app, uploads and commits the .intune win content, sets categories, creates assignments, and configures supersede nce. Also covers reading existing apps for the duplicate-name check and reading the install-status reports.
Group.Read.All	For assignments	Lists and resolves Microsoft Entra security groups when you assign an app to groups, and reads group membership.
User.Read.All	For assignments	Resolves user assignment targets and per-user install status.

Device.Read.All	For assignments	Resolves device assignment targets and device records.
Organization.Read.All	Optional	Reads the tenant's display name shown in the app header. Publishing still works without it.

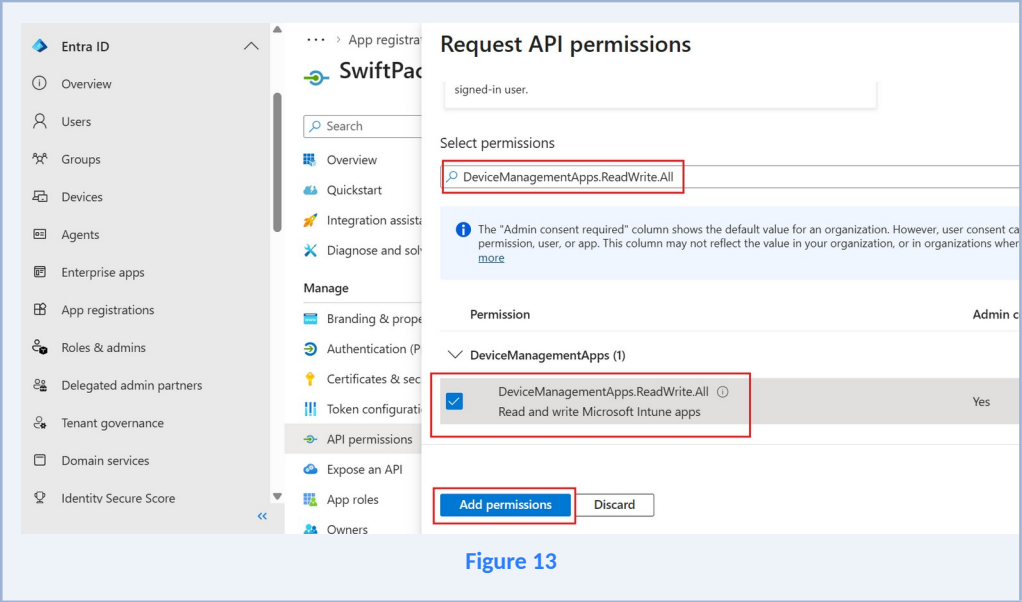


Figure 13

5. Repeat the previous steps 2 to 4 for the remaining permissions.

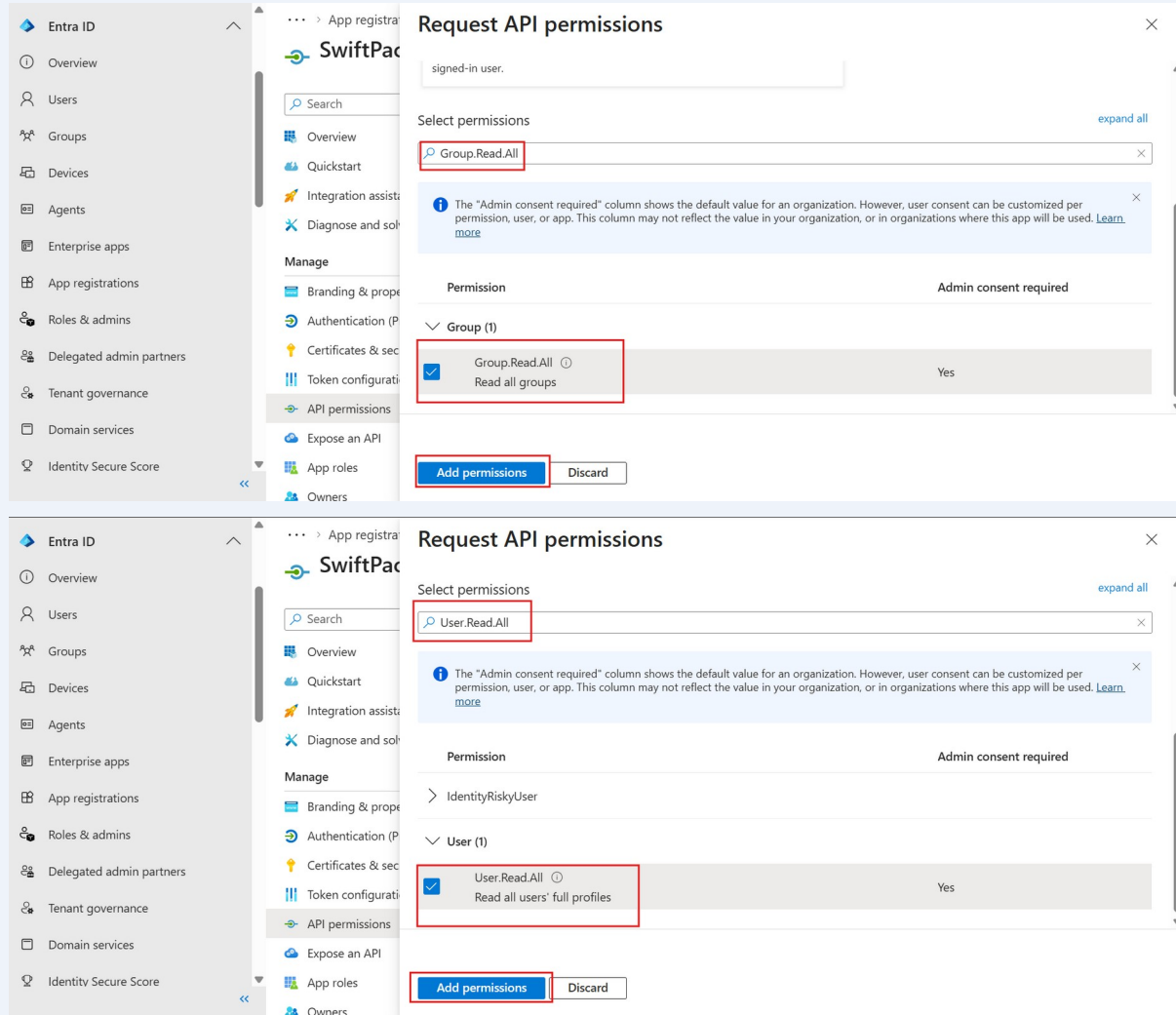


Figure 14

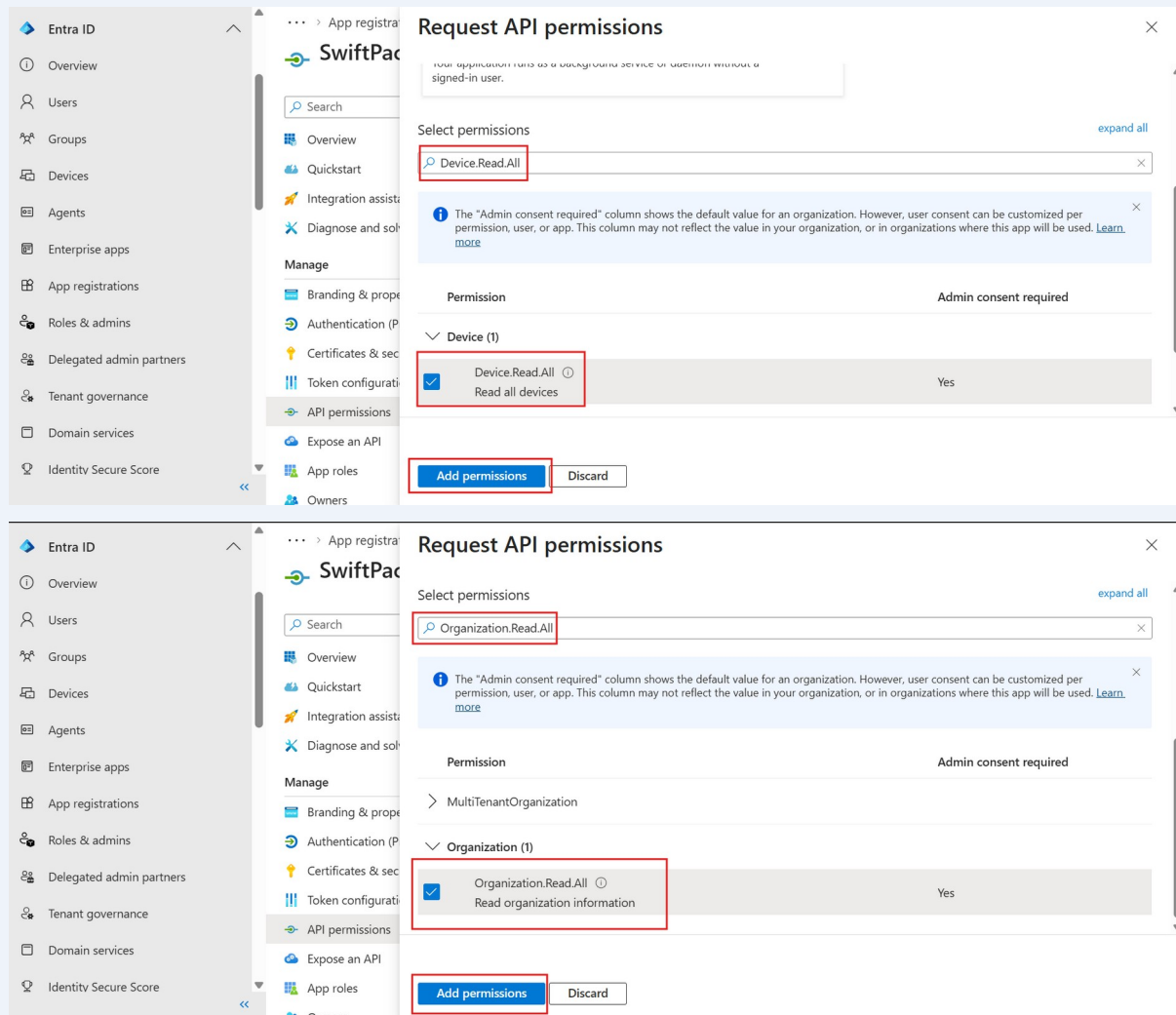


Figure 15

6. After adding all required permissions, select “Grant admin consent for <your tenant>”.

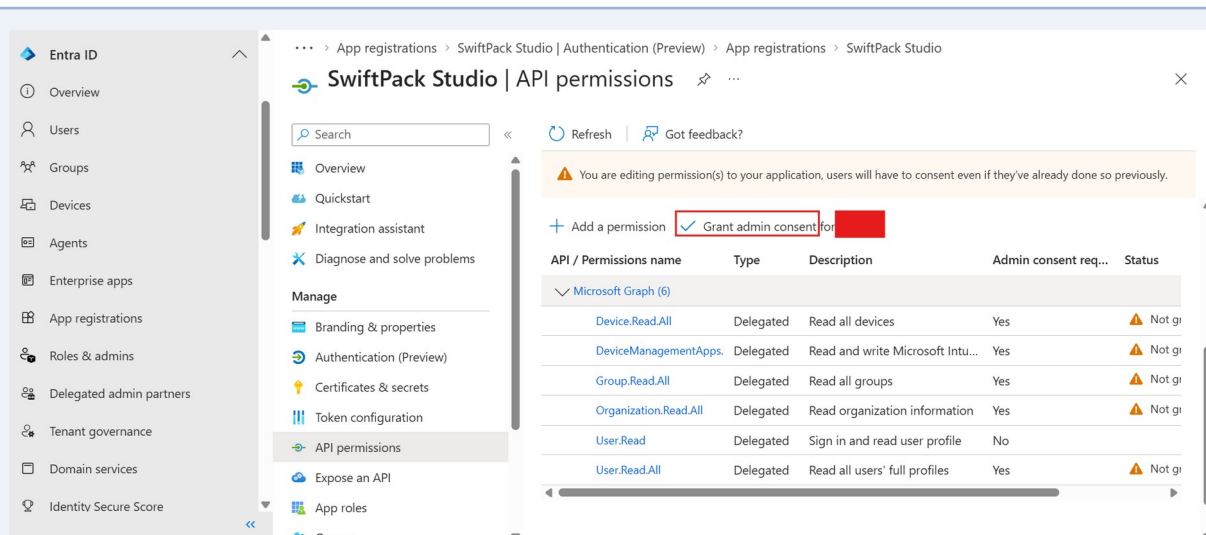


Figure 16

7. Select “Yes” to confirm the admin consent request.

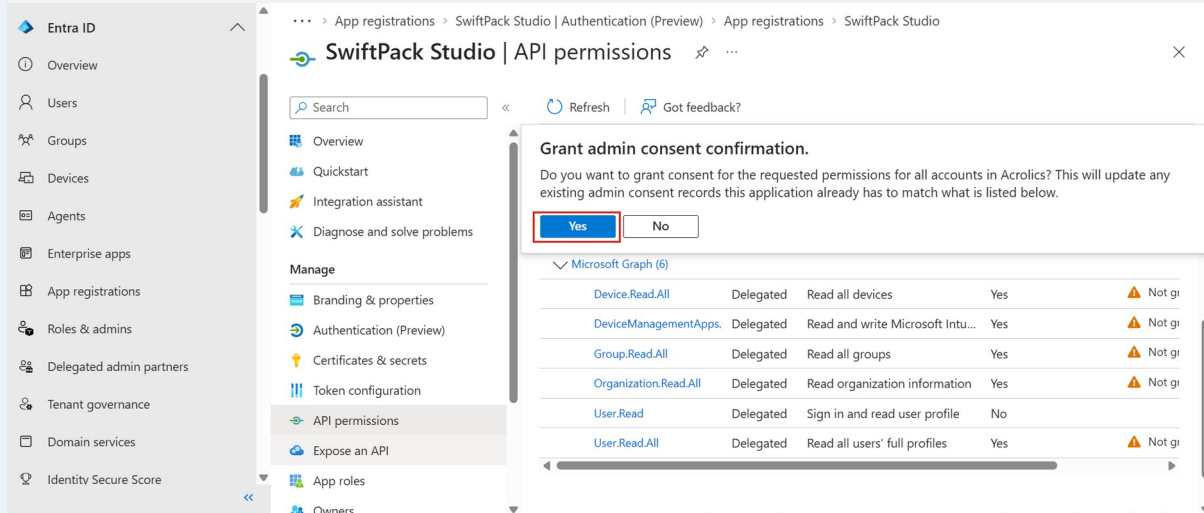


Figure 17

8. The Status column for each permission should display a green “Granted” check mark.

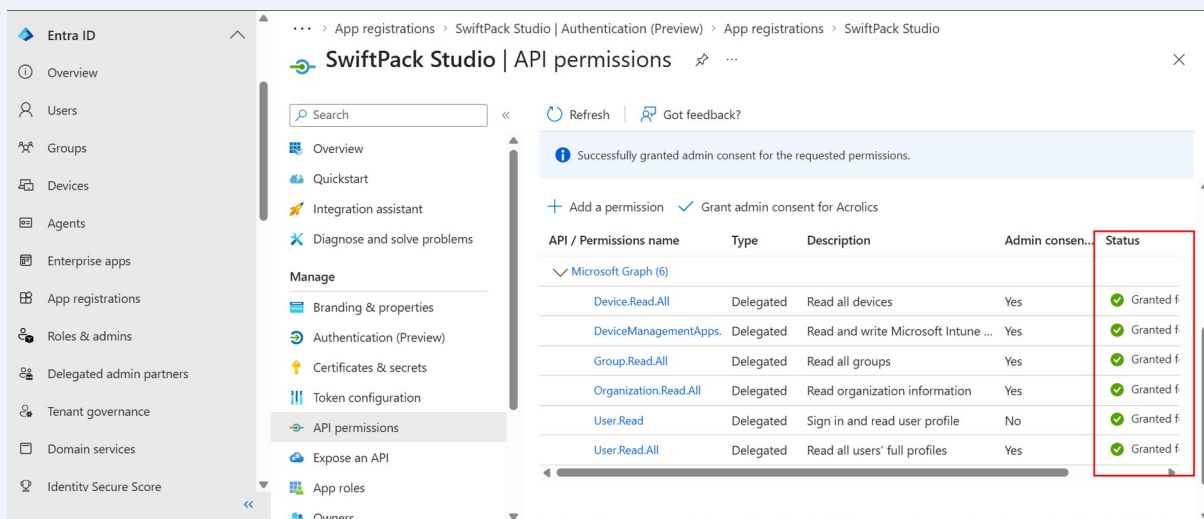


Figure 18

9. On the application's Overview page, copy the **Primary domain**. You will enter this value later in SwiftPack Studio under “Auto Package > Settings > Tenant ID” and “Publish Package > Settings > Tenant ID.”

Directory (tenant) ID : e.g. ****cs.onmicrosoft.com

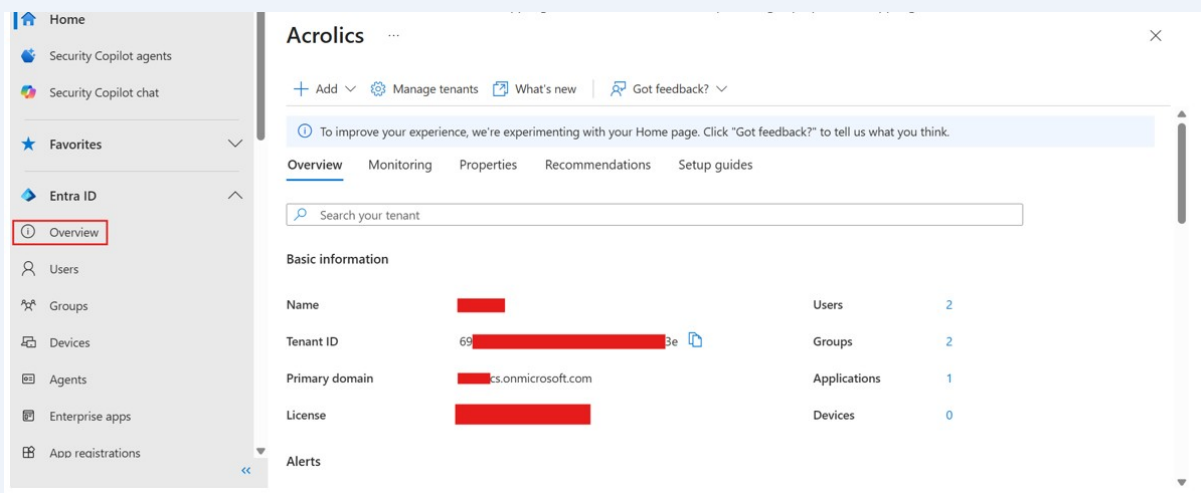


Figure 19

4 Create client secret ID (optional)

If you do not need unattended publishing, you can skip this section. A client secret can be used together with the Tenant ID and Client ID to authenticate SwiftPack Studio without prompting for interactive sign-in during publishing. This authentication method is currently supported only for the Auto Package feature.

1. Click **App Registrations**, then click on **All Applications**.

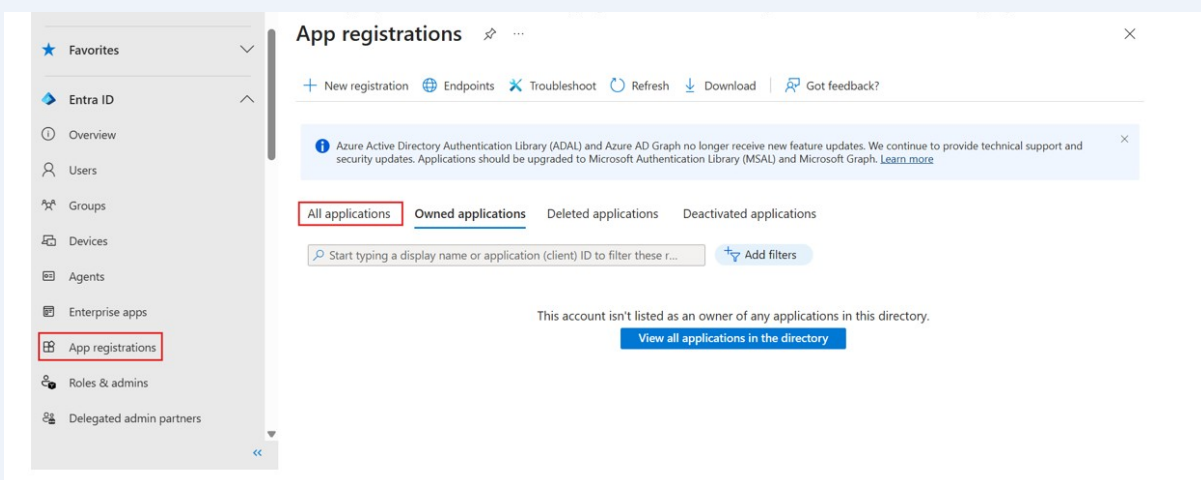


Figure 20

2. Click on **SwiftPack Studio**.

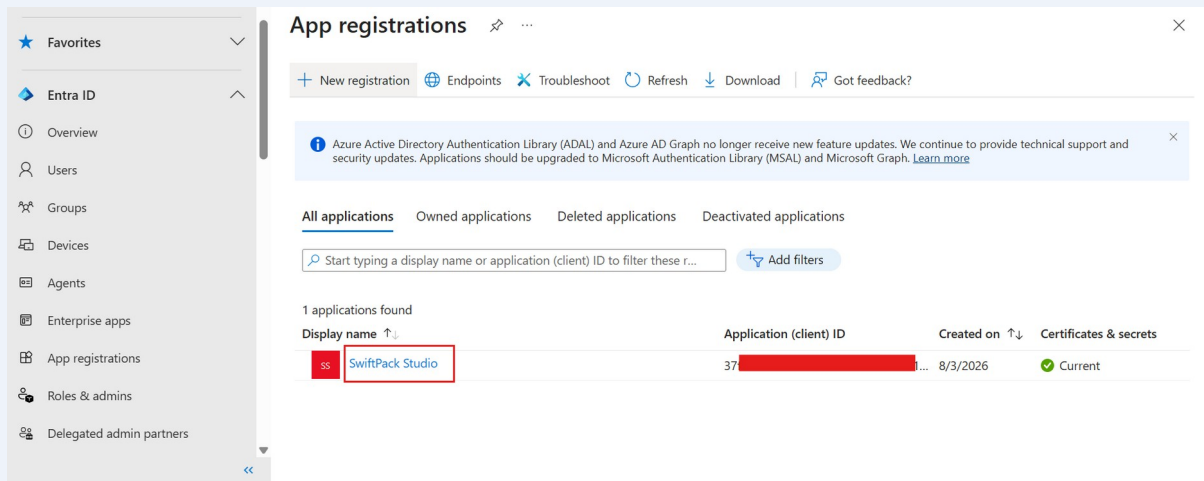


Figure 21

3. Click on **Certificates and secrets**, then click on **New client secret**.

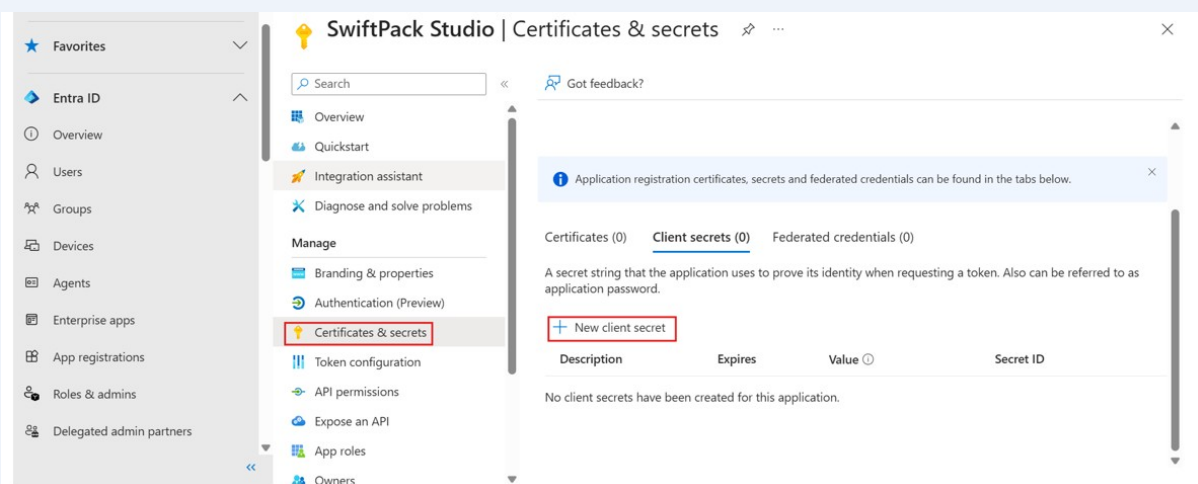


Figure 22

4. Add **Description** "SwiftPack Studio - Win32 App Publisher", then click **Add**.

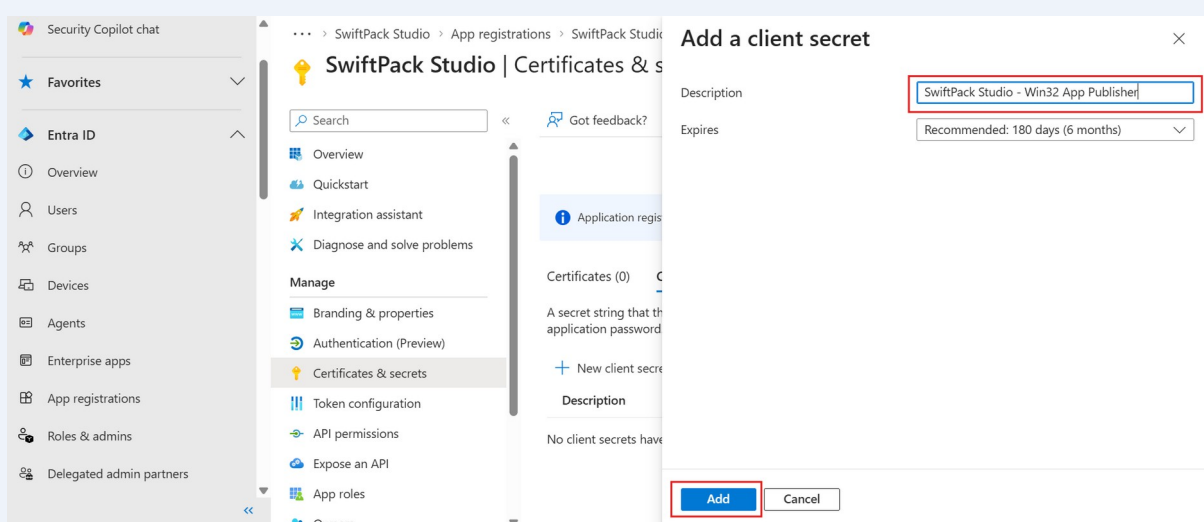
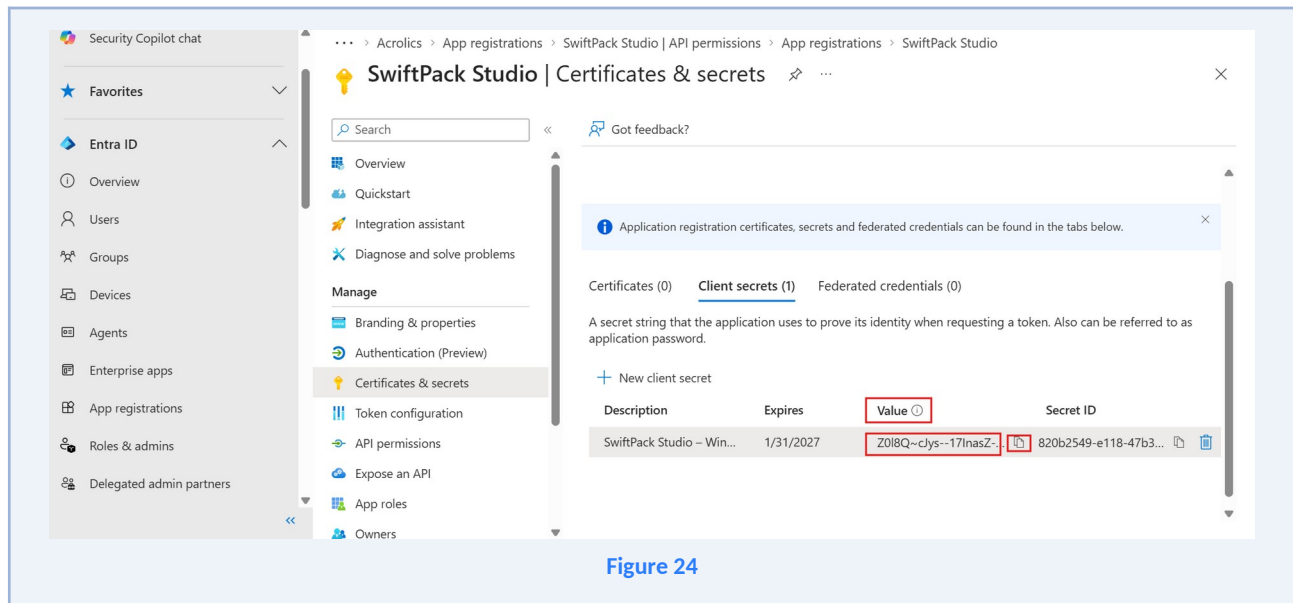
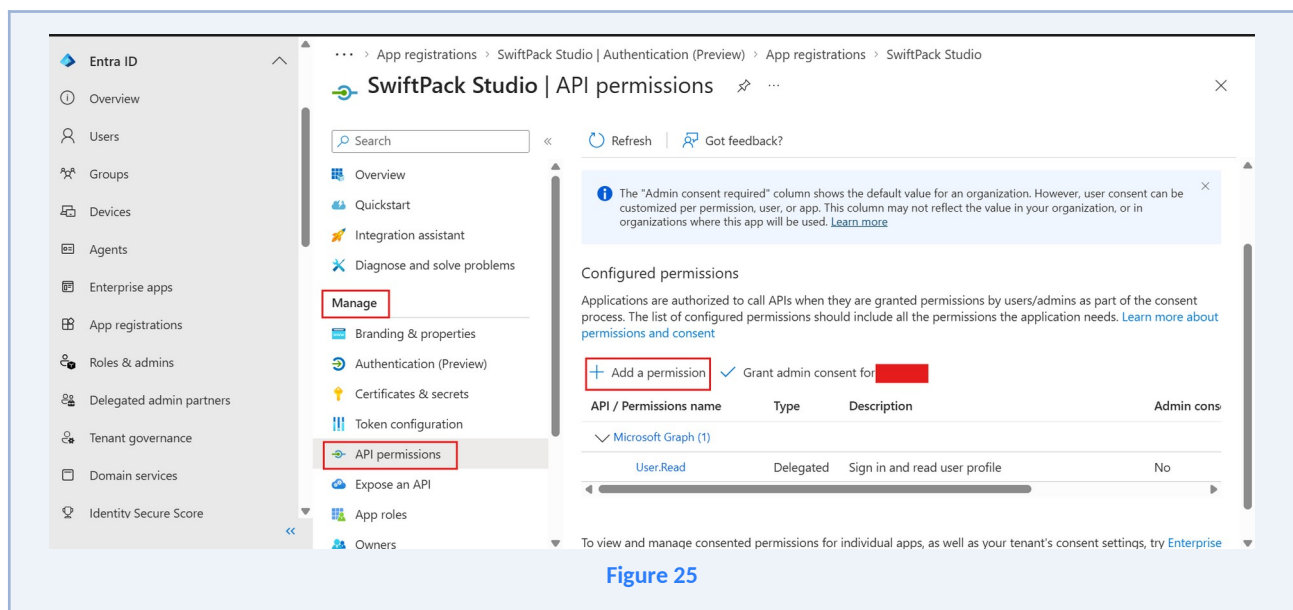


Figure 23

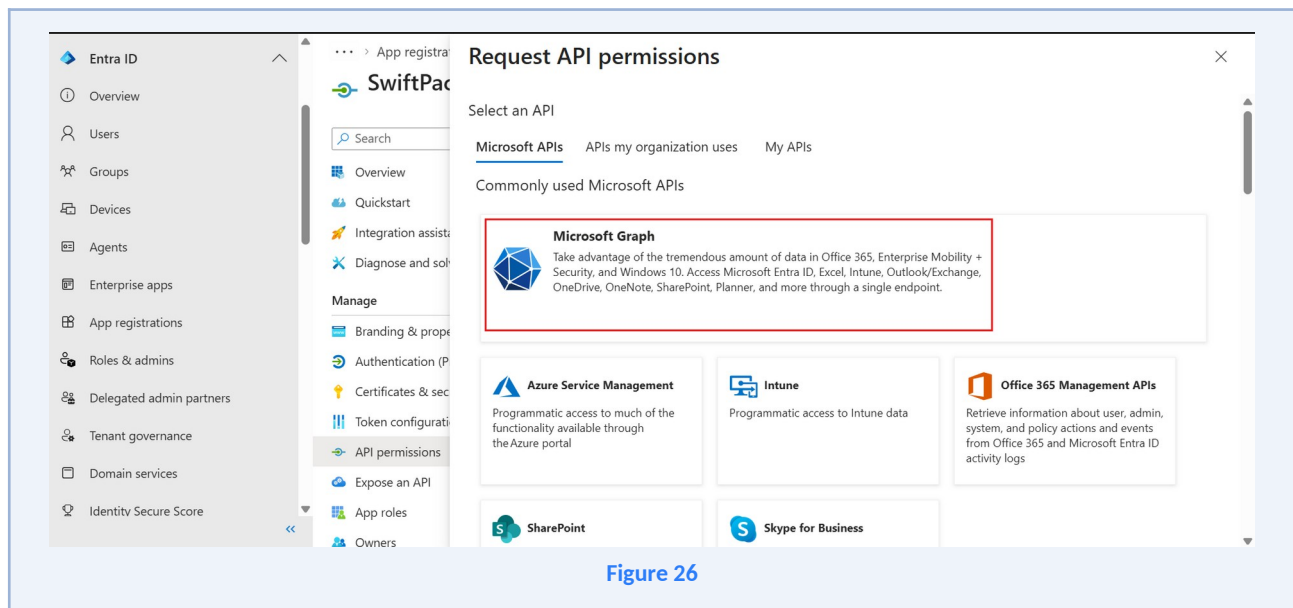
- Copy the client secret **Value**. The value is displayed only once, so store it securely. You will enter this value into IntuneSecretID.json (or another file name) and configure the file under “Auto Package > Settings > Intune Auth Path.”



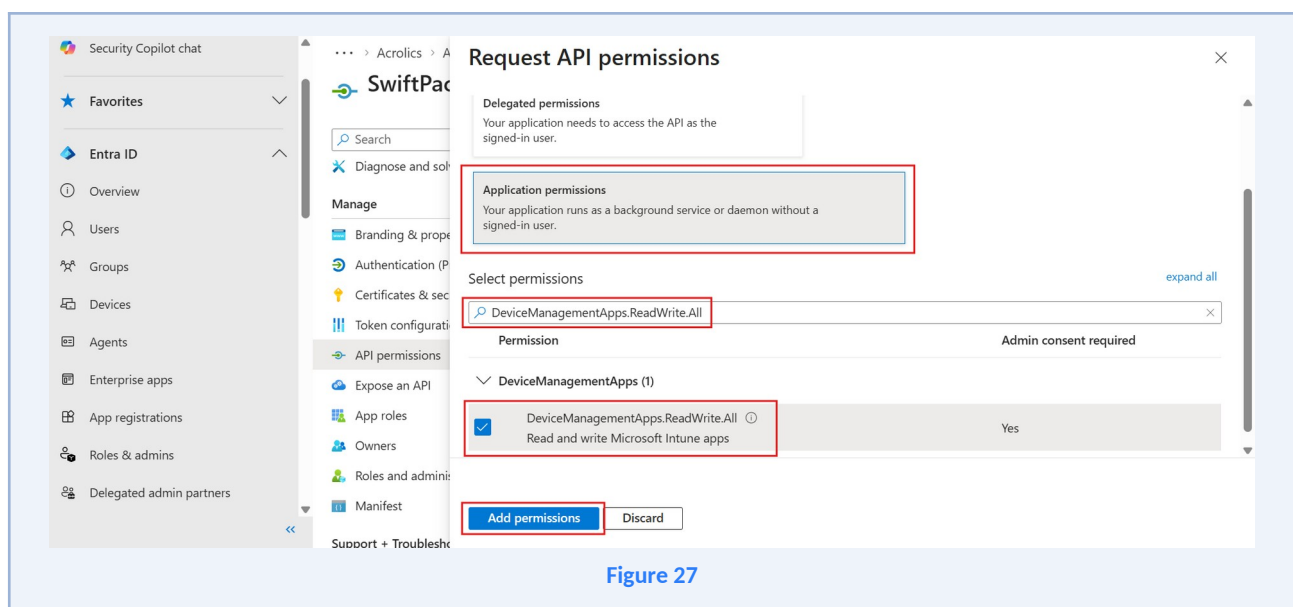
- Click on **API permissions**. Select **+ Add a permission**.



- Click **Microsoft Graph**.



8. Select **“Application permissions”**. Search for and select **DeviceManagementApps.ReadWrite.All** under **“Device Management Apps,”** then select **“Add permissions.”**



9. Click on **Grant admin consent for <your tenant>**.

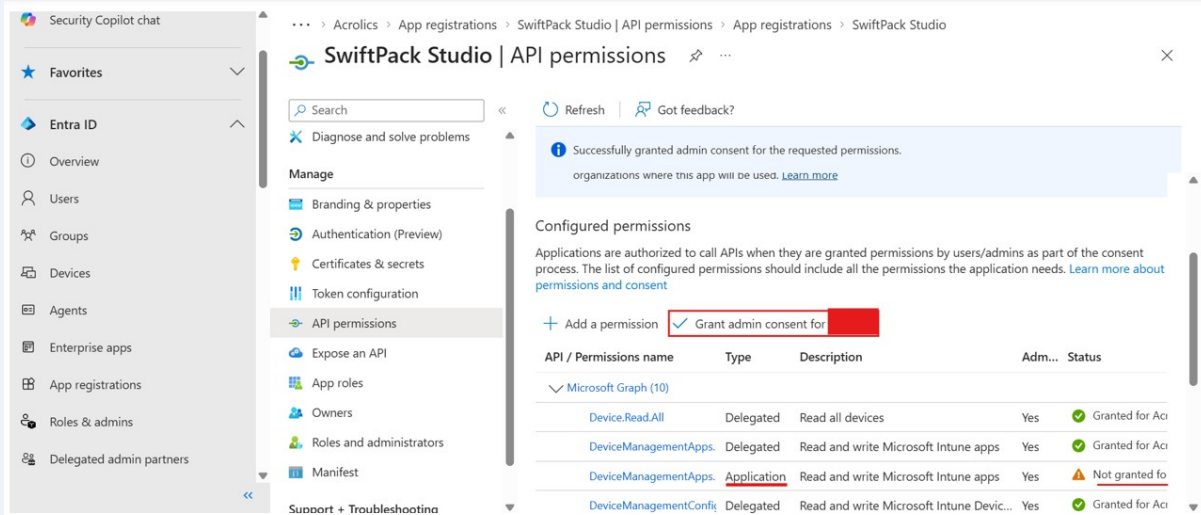


Figure 28

10. Click **Yes** in the Grant admin consent confirmation window.

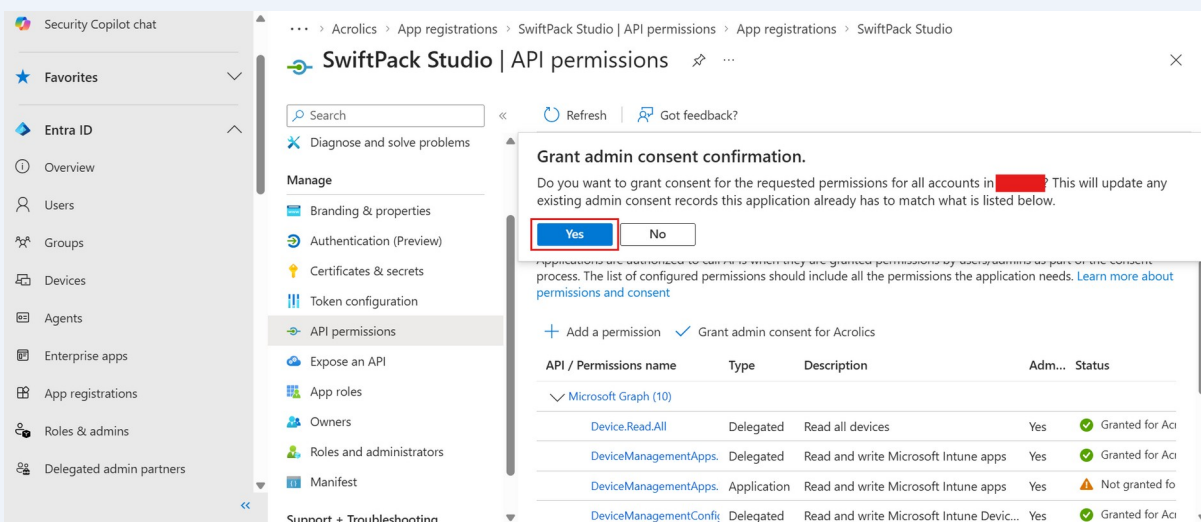


Figure 29

11. Permission granted.

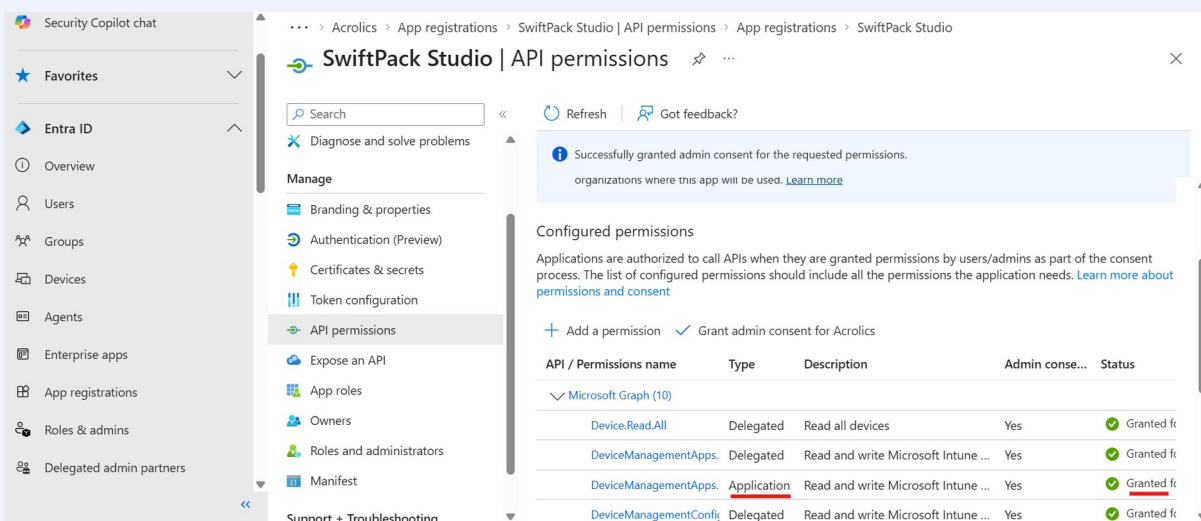


Figure 30

12. Repeat steps 8 to 10 for GroupMember.Read.All.

The figure consists of three screenshots showing the process of granting permissions for the SwiftPack Studio application in Microsoft Intune.

Top Screenshot: Request API permissions dialog

The dialog shows the 'Request API permissions' window for the SwiftPack Studio application. Under 'Application permissions', the 'GroupMember.Read.All' permission is selected. The 'Add permissions' button is highlighted.

Middle Screenshot: API permissions page

The 'API permissions' page for the SwiftPack Studio application is shown. The 'GroupMember.Read.All' permission is listed with a status of 'Not granted'.

API / Permissions name	Type	Description	Admin consent required	Status
Device.Read.All	Delegated	Read all devices	Yes	Granted for all users
DeviceManagementApps.Read.All	Delegated	Read and write Microsoft Intune apps	Yes	Granted for all users
DeviceManagementApps.Read.All	Application	Read and write Microsoft Intune apps	Yes	Granted for all users
DeviceManagementConfiguration.Read.All	Delegated	Read and write Microsoft Intune Device Configuration and settings	Yes	Granted for all users
DeviceManagementRBAC.Read.All	Delegated	Read Microsoft Intune RBAC settings	Yes	Granted for all users
Group.Read.All	Delegated	Read all groups	Yes	Granted for all users
GroupMember.Read.All	Application	Read all group memberships	Yes	Not granted for all users
Mail.Send	Application	Send mail as any user	Yes	Granted for all users
offline_access	Delegated	Maintain access to data you have given it access to	No	Granted for all users

Bottom Screenshot: API permissions page after granting consent

The 'API permissions' page shows the 'GroupMember.Read.All' permission with a status of 'Granted for all users'.

API / Permissions name	Type	Description	Admin consent required	Status
Device.Read.All	Delegated	Read all devices	Yes	Granted for all users
DeviceManagementApps.Read.All	Delegated	Read and write Microsoft Intune apps	Yes	Granted for all users
DeviceManagementApps.Read.All	Application	Read and write Microsoft Intune apps	Yes	Granted for all users
DeviceManagementConfiguration.Read.All	Delegated	Read and write Microsoft Intune Device Configuration and settings	Yes	Granted for all users
DeviceManagementRBAC.Read.All	Delegated	Read Microsoft Intune RBAC settings	Yes	Granted for all users
Group.Read.All	Delegated	Read all groups	Yes	Granted for all users
GroupMember.Read.All	Application	Read all group memberships	Yes	Granted for all users
Mail.Send	Application	Send mail as any user	Yes	Granted for all users
offline_access	Delegated	Maintain access to data you have given it access to	No	Granted for all users
Organization.Read.All	Delegated	Read organization information	Yes	Granted for all users
User.Read	Delegated	Sign in and read user profile	No	Granted for all users

Figure 31

5 Configure in SwiftPack Studio

1. Open SwiftPack Studio and go to “**Auto Package > Settings**”. Enter the “Tenant ID” and “Client ID,” and then select “**Save**.”

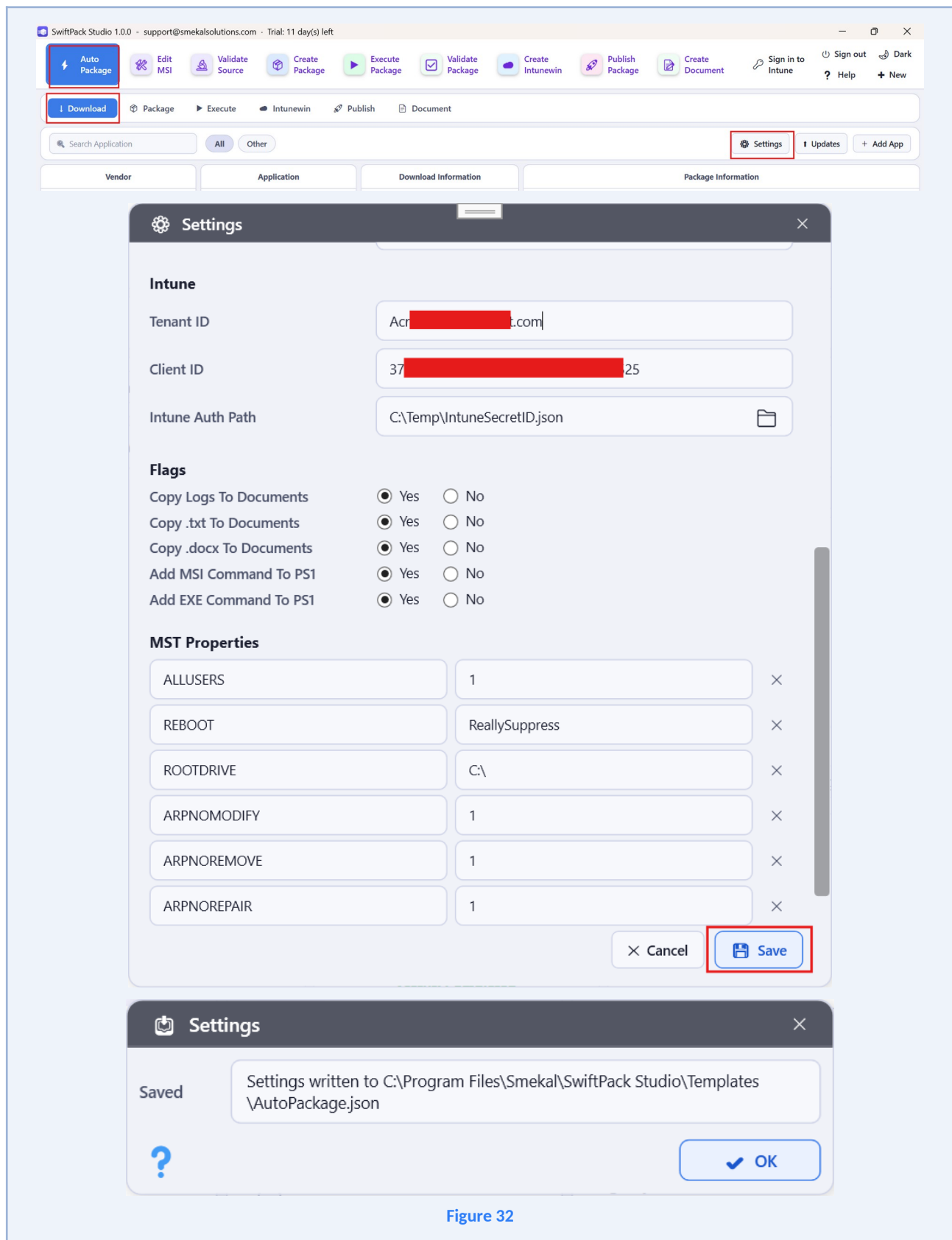


Figure 32

2. Open “**Publish Package > Settings**”. Enter the “Tenant ID” and “Client ID,” and then select “**Save**.”

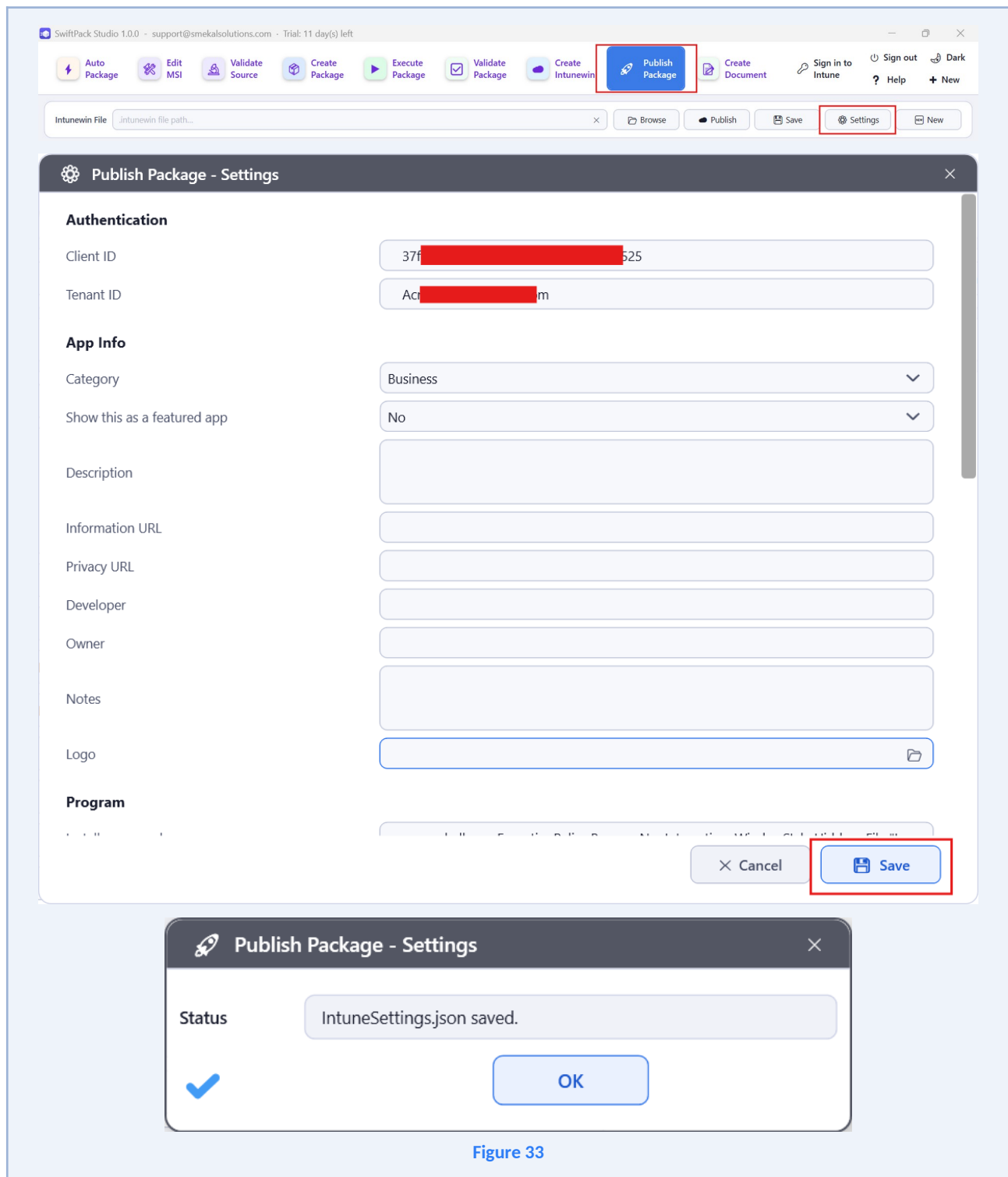
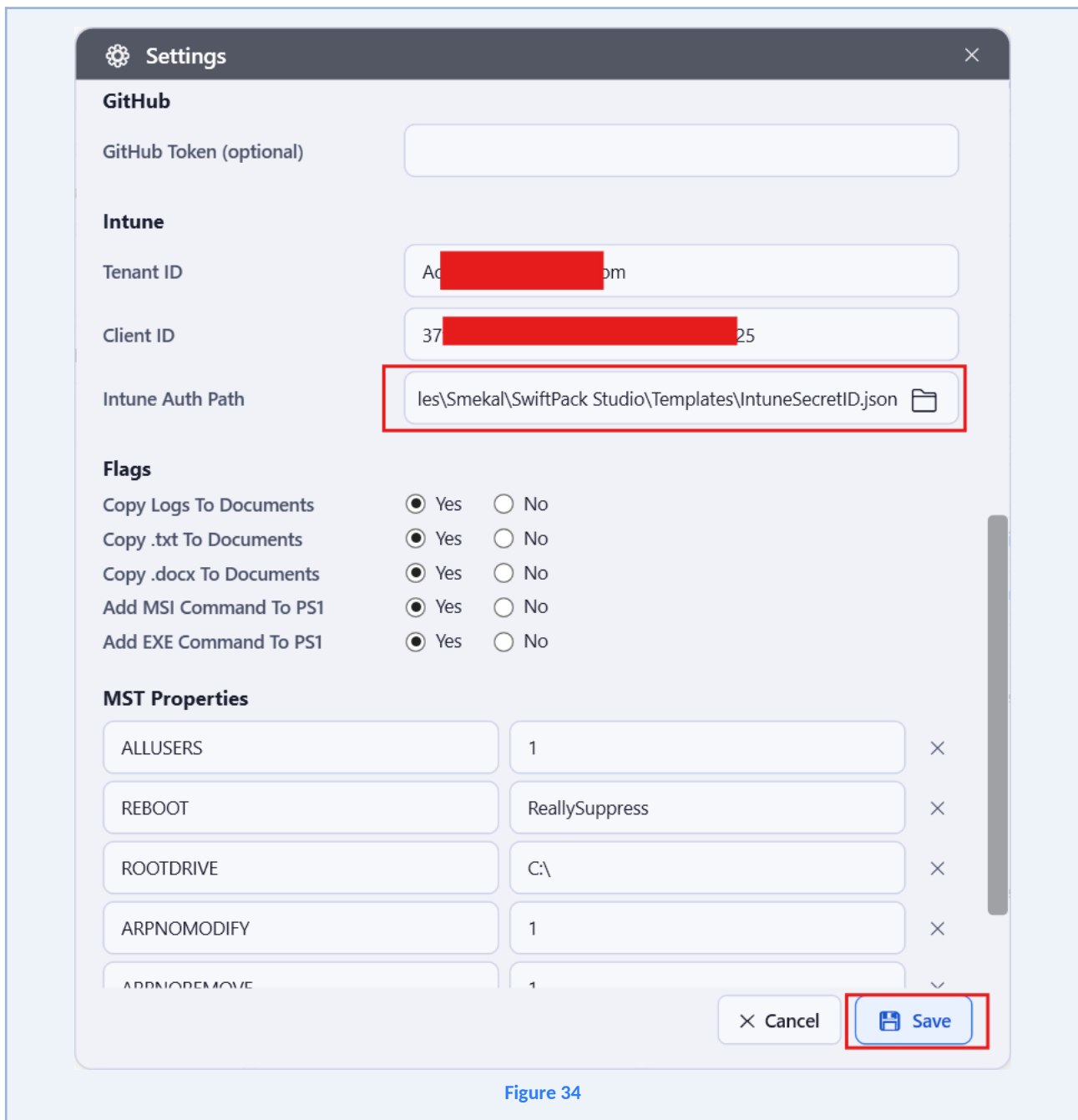


Figure 33

3. Create a file named **IntuneSecretID.json** (or any name) - this step is optional. Type the lines below into the JSON file and save it wherever you want. Store this file in a secure location and restrict access to authorized users only. The file contains a client secret and must be treated as a sensitive credential. Do not upload it to source control, share it through email, or store it in an unsecured shared folder. For test purposes, IntuneSecretID.json was copied to C:\Program Files\Smekal\SwiftPack Studio\Templates.

```
{
  "ClientSecret": "<Secret ID which is generated in step 4 of this document>"
}
```

4. In the Auto Package settings window, browse to the Intune Auth Path where IntuneSecretID.json is saved, then click **Save**.



OR

Alternatively, you can store the credentials in Windows Credential Manager as a Generic Credential named SwiftPack_Intune. Use the Client ID as the username and the client secret as the password. SwiftPack Studio can use this credential when the Client ID or client secret is not provided through IntuneClientSecret.json.

How to create:

1. Open CMD.
2. Copy the line below and enter it.

```
cmdkey /generic:SwiftPack_Intune /user:<ClientId> /pass:<ClientSecret>
```

3. Once created, search Credential Manager from the start menu - you will see it as below.

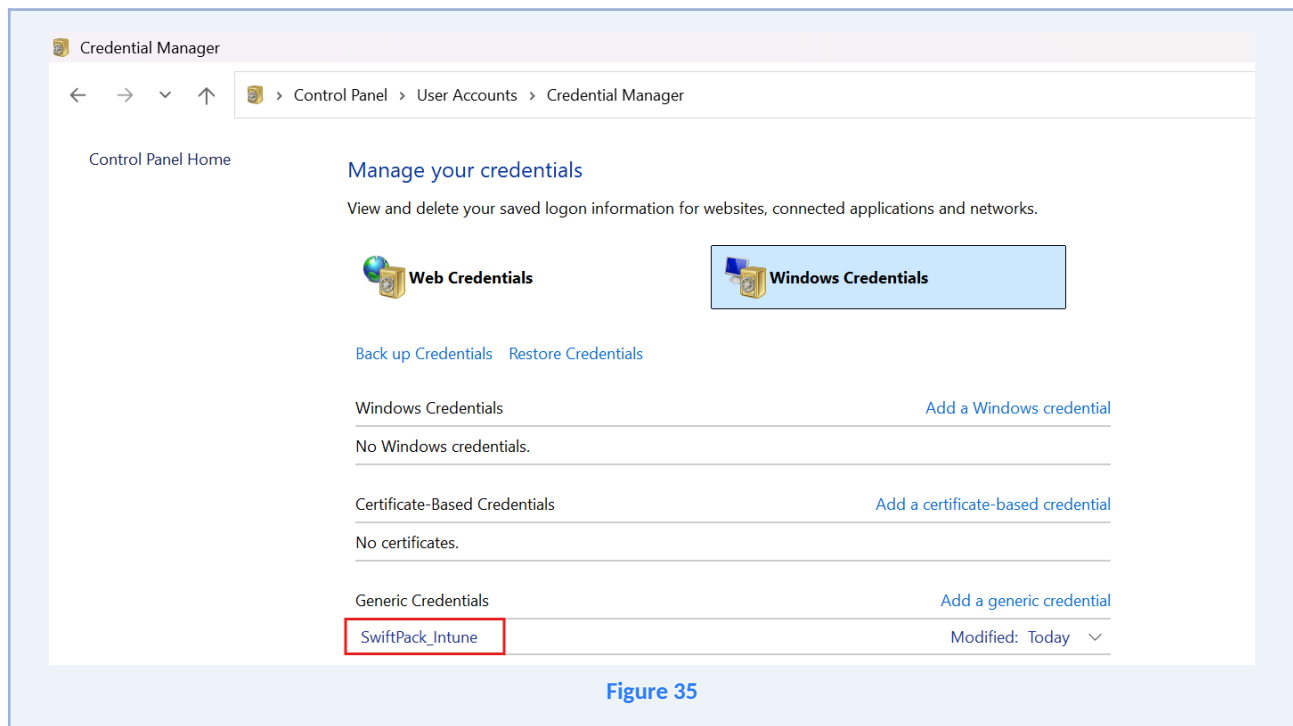


Figure 35

- PowerShell modules are required to publish the package to Intune, so run the batch file at “**C:\Program Files\Smekal\SwiftPack Studio\Templates\InstallModules.cmd**”. It takes about one minute to download. Even if you do not download it now, it will download automatically at the time of publishing to Intune.

Note

When signing in to Intune through SwiftPack Studio, you may see the Microsoft permissions consent window. If you have the required administrator privileges and are authorized to grant consent on behalf of your organization, select “Consent on behalf of your organization” and then select “Accept.”

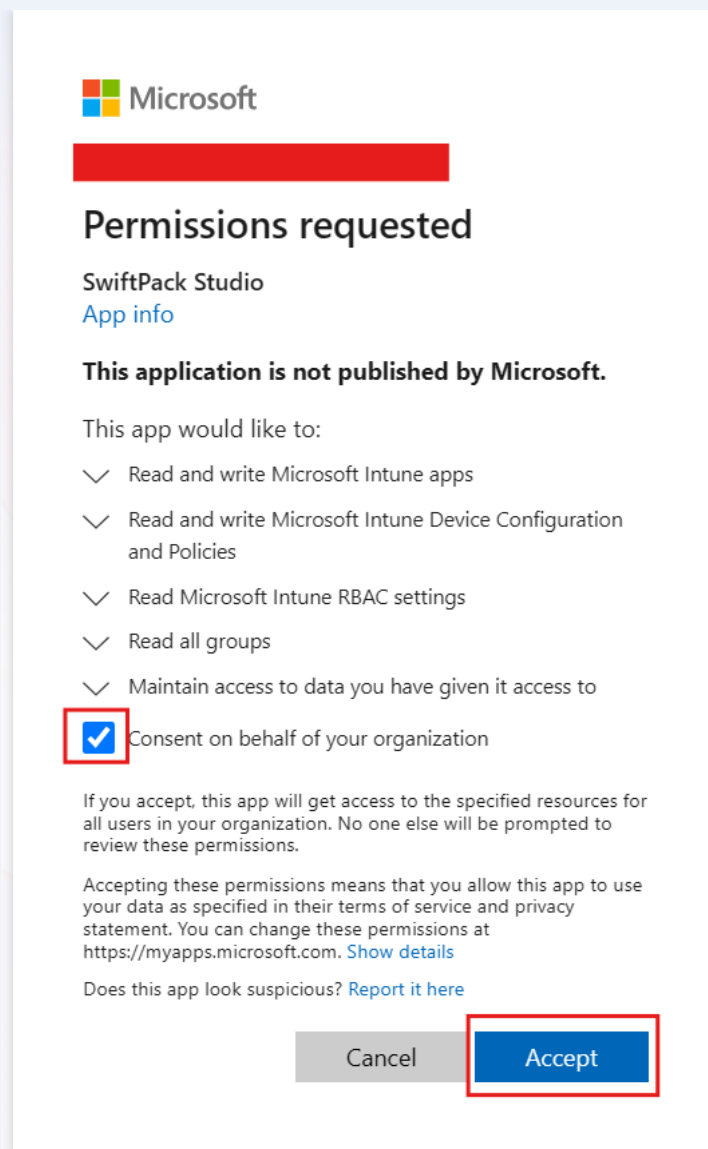


Figure 36

End of guide - SwiftPack Studio, Register an Application in Intune.