Getting Access to the M365 Graph API

Table of Contents

Overview

Step 1: Application registration on Azure

Step 2: Register the Graph API credentials with LegacyFlo

Step 3: Generate the Code for Outlook with IMAP or API or One Drive access (not required for Teams data access)

Overview

When using LegacyFlo to migrate data from active mailboxes, Teams or OneDrive on M365, you will need access to the relevant Graph API.

This document gives the steps to get secure access to the API and register the credentials with LegacyFlo.

Step 1: Application registration on Azure

Login to your LegacyFlo/Vaultastic Open Store account.

Login to Microsoft 365 in the same browser as the LegacyFlo/Vaultastic Open Store Login.

Navigate to Cloud computing services (https://azure.microsoft.com/en-in/).

Http link: https://azure.microsoft.com/en-in/

(a) Select App registrations Azure service.



(a) Click on New registration.



(a) Provide a name for the new registration.

| | Microsoft Azure | 𝒫 Search resources, services, and docs (G+/) | ⊵ | Ŗ | Q | 0 | ন্দ | 0365@connectserver.on MITHI SOFTWARE PVT LTD (CON |
|-------|-------------------------------|---|---|---|---|---|-----|--|
| Hom | e > App registrations > | | | | | | | |
| Re | gister an appli | cation | | | | | | × |
| | | | | | | | | |
| * Na | me | | | | | | | |
| The u | iser-facing display name fo | r this application (this can be changed later). | | | | | | |
| lega | acyflo_app | <mark>⊸</mark> a | | | | | | |
| | | | | | | | | |
| Sup | ported account types | | | | | | | |
| Who | can use this application or | access this API? | | | | | | |
| 0 | Accounts in this organization | onal directory only (Mithi Software Pvt Ltd only - Single tenant) D | | | | | | |
| 0 | Accounts in any organizatio | and directory (Any Azure AD directory - Multitenant) and directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox) | | | | | | |
| 0 | Personal Microsoft account | s only | | | | | | |
| Help | me choose | | | | | | | |
| | | | | | | | | |
| Red | rect URI (optional) | | | | | | | |
| By pr | oceeding, you agree to the | Microsoft Platform Policies 🗗 | | | | | | |

(b) Select the "Accounts in this organizational directory only" in Supported account types.

Scroll down till you see the Redirect URI section

- (c) Select Web as the platform
- (d) Enter https://integrations.legacyflo.com/legacyflo/m365apiregistration

(https://integrations.legacyflo.com/legacyflo/m365apiregistration) as the Redirect URI

(e) Click on Register.

Register

| E Microsoft Azure P Search resources, services, and docs (G+/) | \geq | P | Q | ? | ন্দ | o365@connectserver.on | 9 |
|---|--------|---|---|---|-----|-----------------------|---|
| Home > App registrations > | | | | | | | |
| Register an application | | | | | | × | |
| | | | | | | | |
| Supported account types | | | | | | | |
| Who can use this application or access this API? | | | | | | | |
| Accounts in this organizational directory only (Mithi Software Pvt Ltd only - Single tenant) | | | | | | | |
| O Accounts in any organizational directory (Any Azure AD directory - Multitenant) | | | | | | | |
| O 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://integrations.legacyflo.com/legacyflo/m365apiregistration 🗸 🚥 🕻 | | | | | | | |
| Reference an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from Enterprise applications. | | | | | | | |
| _ <mark></mark> | | | | | | | |
| By proceeding, you agree to the Microsoft Platform Policies rz | | | | | | | |
| | | | | | | | |
| Register Register | | | | | | | |
| | | | | | | | |

(a) Re-select the **App registrations** Azure service.



(a) You will see your app on the list. Click on the Display name

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|---|---|---|---|-------------|-----------|-----------|---------|---------|-----------|--|----------|
| Home > | | | | | | | | | | | |
| App registration | וs ¢ … | | | | | | | | | | \times |
| + New registration 日 | ndpoints 🤌 Troubleshooting 🖒 Refresh | | R Got feedback? | | | | | | | | |
| Starting June 30th, 2020 provide feature updates |) we will no longer add any new features to Azure Activ . Applications will need to be upgraded to Microsoft A | e Directory Authentication Library (ADAL) a uthentication Library (MSAL) and Microsoft | and Azure AD Graph. We will continu Graph. <u>Learn more</u> | ue to provi | ide techn | nical sup | port an | d secur | ity updat | tes but we will no longer | × |
| All applications Owne | d applications Deleted applications | | | | | | | | | | |
| Start typing a display na | ame or application (client) ID to filter these r | + ₇ Add filters | | | | | | | | | |
| 8 applications found | | | | | | | | | | | |
| Display name \uparrow_{\downarrow} | | | Application (client) ID | | | | | Create | d on 🗈 | ↓ Certificates & secrets | |
| LE legacyfio_app | a | | 5a3d7805-8aa9-4782-a5f5-1b | 79c280e | 794 | | | 11/17/ | 2022 | - | |

- (a) Copy the Application (client) ID. This will be required when registering the API with LegacyFlo.
- (b) Copy the Directory (tenant) ID. This will be required when registering the API with LegacyFlo

Save the ids in a note pad on your machine

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|---|--|--|---|--|--|
| Home > App registrations > | | | | | |
| 🔣 legacyflo_app 👒 🐇 | | | | | × |
| ✓ Search « | 📋 Delete 🜐 Endpoints 🗷 | Preview features | | | |
| Overview | ▲ Eccentials | | | | |
| Quickstart Integration assistant | Display name : <u>le</u> | <u>egacyfio app</u> | Client credentials | : Add a certificate or secre | <u>t</u> |
| Manage | Object ID : 5 | a3d7805-8aa9-4782-a5t5-1b79c280e794 a73439f-ea02-4068-bebe-1f9afebcd503 | Redirect URIs Application ID URI | : Add a Redirect URI : Add an Application ID UF | RI |
| Branding & properties | Directory (tenant) ID : b | c7dbcf8-1500-41bd-941c-b363c1f6b0a8 | Managed application in I. | : legacyflo_app | |
| Authentication | Supported account types : M | <u>Ay organization only</u> | | | |
| 📍 Certificates & secrets | Starting June 30th, 2020 | we will no longer add any new features to Azure Active Direct | ory Authentication Library (ADAL) a | and Azure AD Graph. We will co | ntinue to provide technical $^{	imes}$ |
| Token configuration | support and security upd Graph. <u>Learn more</u> | dates but we will no longer provide feature updates. Applicatio | ns will need to be upgraded to Mic | crosoft Authentication Library (N | /ISAL) and Microsoft |
| API permissions | | | | | |
| 🙆 Expose an API | Get Started Documenta | tion | | | |
| App roles | | | | | |
| A Owners | I | Build your application with t | the Microsoft id | entity platforn | n |
| & Roles and administrators | т | he Microsoft identity platform is an authentication service | e, open-source libraries, and app | lication management tools. Y | ′ou |
| III Manifest | c | an create modern, standards-based authentication solution customers | ons, access and protect APIs, and Learn more a | d add sign-in for your users a | nd |

- (a) For your newly registered application, select **Certificates & secrets**.
- (b) In Client secrets, click on New client secret.
- (c) Add a Description (legacyflo_app_key).
- (d) Specify the **Expires** value.
- (e) Click Add.

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|--|--|---|---------------------------------|------------------------|-----------|----------|-------|-----------|---|------|
| Home > App registrations > legacyflo_a | арр | | | Add a cli | ient secr | et | | | | × |
| 💡 legacyflo_app Cert | ificates & secrets 👒 … | | | | | C | | | | |
| ₽ Search « | 🖗 Got feedback? | | | Description Expires | | d | Recom | lo_app_ke | months | ~ |
| Manage | | | | | | ~ | | | | |
| 🖬 Branding & properties | Credentials enable confidential applications to iden scheme). For a higher level of assurance, we recom | tify themselves to the mend using a certificat | authenticatio te (instead of | | | | | | | |
| Authentication ■ | | | | | | | | | | |
| 📍 Certificates & secrets 🛛 💻 🔒 | Application registration certificates, secrets and | federated credentials ca | n be found in | | | | | | | |
| Token configuration | | | | | | | | | | |
| API permissions | Certificates (0) Client secrets (0) Federa | ited credentials (0) | | | | | | | | |
| 🙆 Expose an API | A secret string that the application uses to prove i | ts identity when reque | esting a token | | | | | | | |
| K App roles | | , , | | | | | | | | |
| A Owners | New client secret | | | | | | | | | |
| & Roles and administrators | Description | Expires | Value 🛈 | | | | | | | |
| 10 Manifest | No client secrets have been created for this applic | ation. | | | | | | | | |
| Support + Troubleshooting | | | | | | | | | | |
| P Troubleshooting | | | 0 | | | | | | | |
| Rew support request | | | e | Add | Cancel | | | | | |

(a) Copy the Value to the notepad in which you have copied the application and directory ids. This will be required when registering the API with LegacyFlo

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|-------------------------------------|--|---|--|--------------------------------|----------------|------------------|--|
| Home > App registrations > lega | acyflo_app | | | | | | |
| 💡 legacyflo_app 🤆 | Certificates & secrets 👒 … | | | | | | |
| 🔎 Search | « 🔊 Got feedback? | | | | | | |
| Overview | | | | | | | |
| 🗳 Quickstart | Got a second to give us some feedba | ack? \rightarrow | | | | | × |
| Integration assistant Manage | Credentials enable confidential applicatic scheme). For a higher level of assurance, | ns to identify themselves to t we recommend using a certif | he authentication service when rece icate (instead of a client secret) as a | iving tokens at credential. | a web address | able location (u | ising an HTTPS |
| Branding & properties | | - | | | | | |
| Authentication | Application registration certificates, s | ecrets and federated credential | s can be found in the tabs below. | | | | × |
| 🕈 Certificates & secrets | | | | | | | |
| Token configuration | Certificates (0) Client secrets (1) | Federated credentials (0) |) | | | | |
| API permissions | A secret string that the application uses | to prove its identity when rea | questing a token. Also can be referre | d to as applica | tion password. | | |
| Expose an API | | | | | | | |
| 🛓 App roles | + New client secret | | | | | | |
| 🚱 Owners | Description | Expires | Value 🕕 | | Secret ID | | |
| Roles and administrators | legacyflo_app_key | 5/17/2023 | eOF8Q~mk.JozyVaGZIYQd0Ny7 | otf8-BZ~ 🗈 | 11c2edad-6e | 8c-472f-985a-8 | bfd48ea8c85 🗈 📋 |
| 1 Manifest | | | | a | | | |

(a) In the Manage menu for the registered app, select API permissions.

- (b) Click on **Add a permission**.
- (c) Select Microsoft Graph.



TO ACCESS TEAMS DATA DO THE FOLLOWING (required for request type TEAMS-S3-ZIP/TEAMS-S3-PST/TEAMS-VAULTASTIC4)

- (a) In the Request API permissions pop-up, select Application permissions.
- (b) Select the following permissions:
 - User.Read.All
 - Chat.Read.All
 - Team.ReadBasic.All
 - ChannelMessage.Read.All
 - Sites.Read.All
- (d) Click Add permissions.

TO ACCESS ONEDRIVE DATA DO THE FOLLOWING (required for request type ONEDRIVE-S3-ZIP)

- (a) In the Request API permissions pop-up, select Delegated permissions.
- (b) Select the following permissions:
 - Files.ReadWrite.All
 - offline_access
- (c) Select check box (Files.ReadWrite.All)
- (d) Click Add permissions.



TO ACCESS MAIL DATA USING THE GRAPH API DO THE FOLLOWING (required for request types M365API-S3-ZIP etc.)

(a) In the Request API permissions pop-up, select Delegated permissions.

(b) Select the following permissions:

- User.Read.All
- Mail.ReadWrite.Shared
- Mail.Send.Shared
- email
- offline_access
- (c) Select check box (User.Read.All)
- (d) Click on Add permissions.

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|--|--|--|----|------------------------------|----------------------------------|---------------------------|---------------|---------|--|--------|
| Home > App registrations > legacyflo_at legacyflo_app API p | pp Dermissions ☆ … ◯ Refresh 🖓 Got feedback? | Request API permissions Microsoft Graph https://graph.microsoft.com/ Docs 📑 What type of permissions does your application require? | | | | | | | | × |
| Quickstart Integration assistant | Configured permissions a Applications are authorized to cal- all the permissions the application need | Delegated permissions Your application needs to access the API as the signed-in user. | | Applica Your aj signed | ation pe pplicati -in usee | ermissic on runs r. | ns as a ba | ckgroun | d service or daemon without a | |
| Manage | + Add a permission ✓ Gra | Select permissions | | | | | | | expa | nd all |
| Branding & properties Authentication | API / Permissions name | User.Read.All | | | | | | Admin | concent required | × |
| Certificates & secrets Token configuration | V Microsoft Graph (1) User.Read | > IdentityRiskyUser | | | | | | Aumin | consent required | |
| - API permissions | To view and manage consented permise | ∨ User (1) | | | | | | | | |
| Expose an API App roles | | User.Read.All ① Read all users' full profiles | | | | | | Yes | | |
| Owners Roles and administrators Manifest | d | Add permissions Discard | | | | | | | | |

TO ACCESS MAIL DATA USING IMAP DO THE FOLLOWING (required for request types 0365-S3-ZIP etc)

- (a) In the Request API permissions pop-up, select Delegated permissions.
- (b) Select the following permissions:
 - IMAP.AccessAsUser.All
 - offline_access
- (c) Select check box (IMAP.AccessAsUser.All)
- (d) Click on Add permissions.



(a) Select "Grant admin consent for <Account Name>"

(b) On the Grant admin consent confirmation box, select Yes.

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|--|---|--|---|-----------|----------|----------|------|--------|-----|--|---|--|
| Home > App registrations > legacyflo_app | | | | | | | | | | | | |
| | permissions 💉 … | | | | | | | | | | × | |
| | 🖔 Refresh 🛛 🕂 Got feedba | ck? | | | | | | | | | | |
| Overview | Grant admin consent co | nfirmation. | | | | | | | | | | |
| i Quickstart | ckstart Do you want to grant consent for the requested permissions for all accounts in Mithi Software Pvt Ltd? This will update any existing admin consent records this application | | | | | | | | | | | |
| 1 Integration assistant | already has to match what is list | already has to match what is listed below. | | | | | | | | | | |
| Manage U | Yes No | | | | | | | | | | | |
| Branding & properties | 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 | | | | | | | | | | |
| Authentication | all the permissions the application | needs. Learn mo | pre about permissions and consent | | | | | | | | | |
| 🕈 Certificates & secrets | + Add a permission 🥤 Gran | nt admin consent | for Mithi Software Pvt Ltd | | | | | | | | | |
| Token configuration | API / Permissions nam | Type | Description | A | Admin c | onsent | requ | . Stat | us | | | |
| - API permissions | ✓ Microsoft Graph (3) | | | | | | | | | | | |
| Expose an API | IMAP.AccessAsUser.All | Delegated | Read and write access to mailboxes via IMAP. | 1 | ١o | | | | | ••• | | |
| App roles | offline_access | Delegated | Maintain access to data you have given it access to | ١ | No | | | | | ••• | | |
| A Owners | User.Read | Delegated | Sign in and read user profile | ſ | No | | | | | | | |
| & Roles and administrators | | | | | | | | | | | | |
| III Manifest | To view and manage consented pe | ermissions for inc | dividual apps, as well as your tenant's consent settings, t | ry Enterp | rise app | lication | ns. | | | | | |

Step 2: Register the Graph API credentials with LegacyFlo

- 1. Navigate to the LegacyFlo tab
- 2. From the menu on the left side, click on the Integrations menu
- 3. On the pop-up menu, select Microsoft 365 Integrations
- 4. If you have an access key for the mailboxes, select Outlook (API). OR If you have an access key for

OneDrive, select OneDrive

- 5. To register the access key for a new domain, click on the + sign next to Register Key for the domain
 - 1. Enter the domain name for which the key is to be registered
 - 2. Enter the Client ID, Tenant ID and Secret Value as recorded from the steps above

Step 3: Generate the Code for Outlook with IMAP or API or One Drive access (not required for Teams data access)

- 1. Click on Generate Code
- 2. The system will open up a new tab with a URL of the form

"https://integrations.legacyflo.com/legacyflo/m365apiregistration."

- 3. Navigate to this tab. You will see two controls on the page. By clicking on Show Code, you can view the code generated. **Click on Copy Code** to copy the code.
- 4. Navigate back to the original dialog and Paste the code in the Paste Code box. Click on Save.
- 5. The API is now registered with LegacyFlo.

- 6. The next step will be to allow the API to access content of the mailboxes or drives as mentioned here. This has to be done for every user whose data needs to be accessed.
- 7. Close the dialog box.
- 8. To update the key for a domain, click on the edit icon next to the domain name and enter the credentials as in step 5