



A MITEL
PRODUCT
GUIDE

MiVoice Connect Integration with Microsoft Office 365 using modern Authentication

Application Registration with Azure AD for MS Office 365

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Microsoft is disabling the basic authentication method for MiVoice Connect starting October 2022 and thereafter will use only modern authentication methods. MiVoice Connect will use OAuth2 for integrating with Microsoft Office 365 services starting from Release 19.3 SP1. With OAuth2, there will be a separate Identity Platform (IdP) to authenticate the users of Microsoft services. The IdP used for Microsoft Office 365 integration will be Azure AD. To have Complete Modern Authentication Flow working in deployment, it requires Azure AD to trust Microsoft Office 365 service and also Azure to know Application which is using the Microsoft services. Application Registration with Azure AD addresses both these tasks and is explained in [Azure AD application registration](#) of this document.

As part of the Application Registration, Application ID, Redirect Uri, and Tenant ID will be generated by Azure AD. These field values must be noted.

i Note:

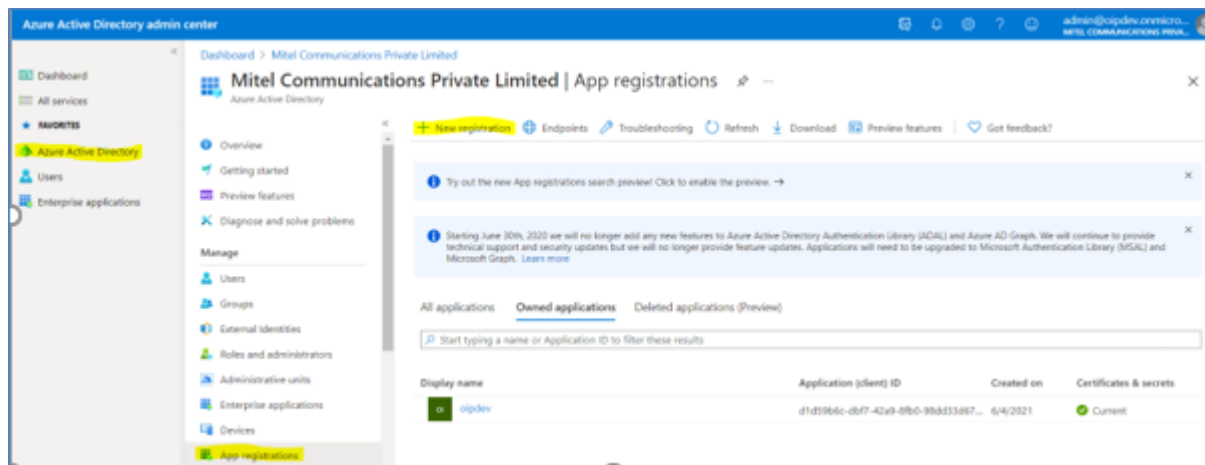
MiVoice Connect requires registering the application as public client in "*console application mode*". The steps explained in this document are only for registering the MiVC application in console application mode. It is assumed that the MiVoice Connect Administrator has Azure AD admin access to execute the steps explained in this document.

AZURE AD APPLICATION REGISTRATION

2

Following is the procedure for registering the MiVoice Connect Application with Azure AD.

1. Open a browser and navigate to the [Azure Active Directory admin center](#) and log in as an admin. In the page that opens, click **New Registration**.
2. Select **Azure Active Directory** in the left navigation pane, click **Manage > App registrations**.
3. Select **New registration**.



4. On the **Register an application** page, set the values as follows:

- a. Specify a **Name** for your app.
- b. In the **Supported account types** field, select **Accounts in this organizational directory only (Mitel Networks Corporation only - Single tenant)**.
- c. Under **Redirect URI (optional)**, do the following:
 - i. In the **Select a platform** field, select **Public client/native (mobile & desktop)** from the drop-down list.
 - ii. Enter the IP address or the FQDN of Server/ClientOauth in the text box.

The screenshot shows the 'Authentication' configuration page for an application named 'ConnectClient1'. The left-hand navigation pane includes sections for 'Overview', 'Quickstart', 'Integration assistant', 'Manage' (with sub-items like Branding & properties, Authentication, Certificates & secrets, etc.), and 'Support + Troubleshooting'. The main content area is titled 'Authentication' and contains two primary sections: 'Redirect URIs' and 'Supported account types'. The 'Redirect URIs' section includes a descriptive paragraph, a list of three pre-defined URIs with checkboxes, and a list of four custom URIs: 'https://10.211.126.218/clientoauth/', 'https://raybaumhq.mivcbl.com/ClientOauth', 'https://10.211.44.167/ClientOauth', and 'https://10.211.126.200/ClientOauth/'. Each custom URI has a trash icon for deletion. An 'Add URI' link is at the bottom of this list. The 'Supported account types' section has a heading 'Who can use this application or access this API?' and two buttons: 'Save' and 'Discard'.



Note:

The Microsoft Azure portal supports only **https** while using redirect URLs. The use of **http** is not permitted.

5. Click **Register**.

Azure Active Directory admin center

Dashboard > oAuth2 >

Register an application

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

npm

Supported account types

Who can use this application or access this API?

- ☒ Accounts in this organizational directory only (oauth2 - 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.

Public client/native (mobile ... [https://login.microsoftonline.com/common/oauth2/nativeclient](#)

By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

6. From the next page, copy the values of the **Application (client) ID** and **Directory (tenant) ID** and save them, you will need them for Office365 OAuth authentication.

Home >

oipdev

Search

Overview

- Quickstart
- Integration assistant
- Manage
 - Branding & properties
 - Authentication
 - Certificates & secrets
 - Token configuration
 - API permissions
 - Expose an API
 - App roles
 - Owners
 - Roles and administrators

Delete Endpoints Preview features

Essentials

Display name
[oipdev](#)

Application (client) ID
d65b4815-f19a-4f13-bc21-1bba8f75df61

Object ID
dd42879e-7c0d-44a2-bc68-9209a9678ca4

Directory (tenant) ID
9613561e-06f7-495c-8315-e6a2670c04cc

Supported account types
[My organization only](#)

Client credentials
[0 certificate, 1 secret](#)

Redirect URIs
[0 web, 0 spa, 1 public client](#)

Application ID URI
[Add an Application ID URI](#)

Managed application in local directory
[oipdev](#)

Get Started Documentation

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

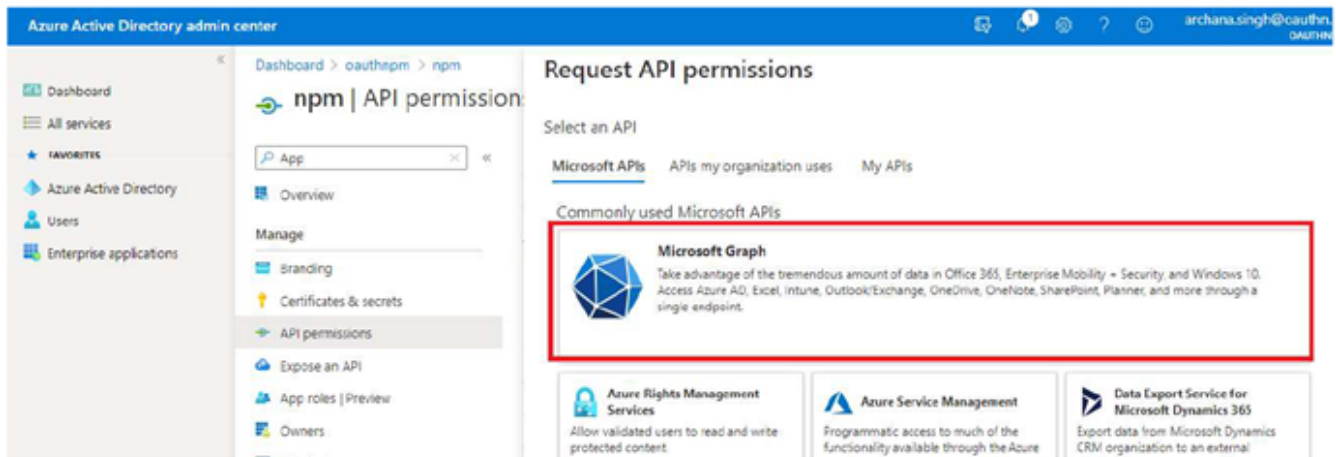
7. Go to Azure portal and click **API permissions**.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and user information. The left sidebar contains a list of navigation options: Branding & properties, Authentication, Certificates & secrets, Token configuration, **API permissions** (highlighted with a red box), Expose an API, App roles, Owners, Roles and administrators, Manifest, Support + Troubleshooting, Troubleshooting, and New support request. The main content area displays the 'oipdev | API permissions' page. It includes a search bar, 'Refresh' and 'Got feedback?' buttons, and a notification banner. Below the banner, the 'Configured permissions' section explains that applications are authorized to call APIs when granted permissions by users/admins. It lists the permissions for the application, showing a table with columns: API / Permissions name, Type, Description, Admin consent req..., and Status. The table lists one permission: 'User.Read' (Delegated, Sign in and read user profile, No admin consent required, Status: ...). A link to 'Enterprise applications' is provided at the bottom.

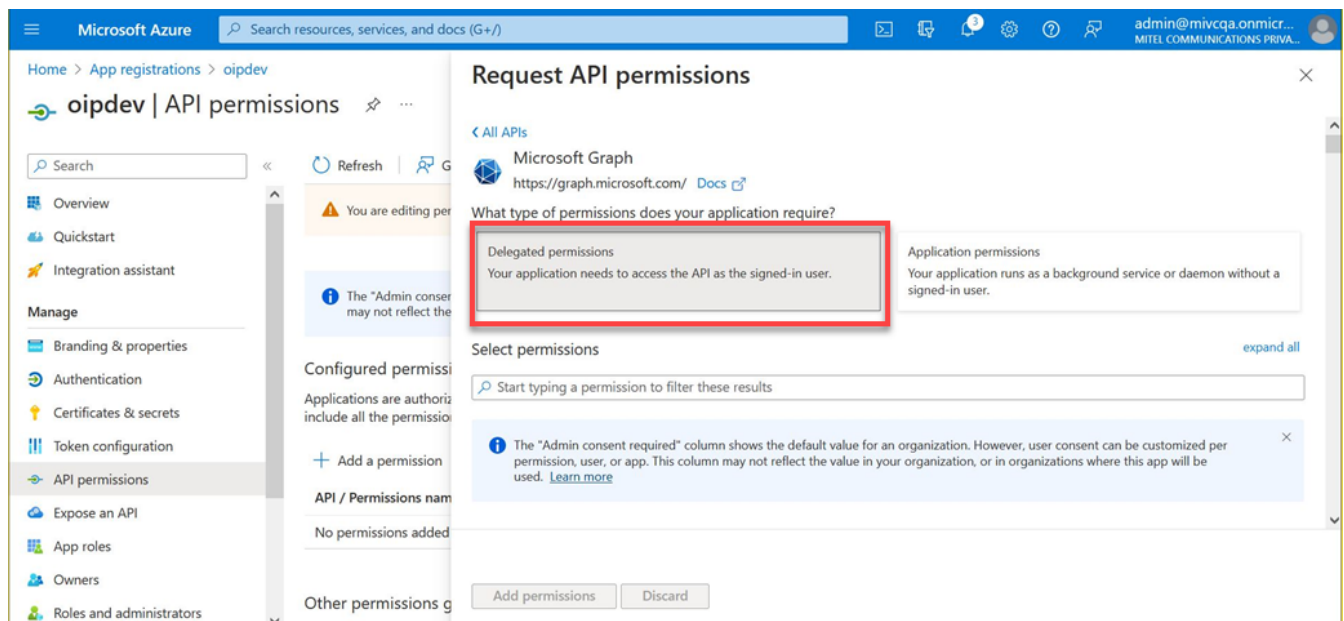
8. Click **Add a permission**. The **Request API permissions** page opens.

The screenshot shows the Azure Active Directory admin center interface. The top navigation bar includes the 'Azure Active Directory admin center' logo, a search bar, and user information. The left sidebar contains a list of navigation options: Dashboard, All services, FAVORITES, Azure Active Directory, Users, and Enterprise applications. The main content area displays the 'npm | API permissions' page. It includes a search bar, 'Refresh' and 'Got feedback?' buttons, and a notification banner. Below the banner, the 'Configured permissions' section explains that applications are authorized to call APIs when granted permissions by users/admins. It lists the permissions for the application, showing a table with columns: API / Permissions name, Type, Description, Admin consent req..., and Status. The table lists one permission: 'User.Read' (Delegated, Sign in and read user profile, No admin consent required, Status: ...). A link to 'Enterprise applications' is provided at the bottom. The 'Add a permission' button is highlighted with a red box.

9. In the Request API permissions page, select **Microsoft Graph**.



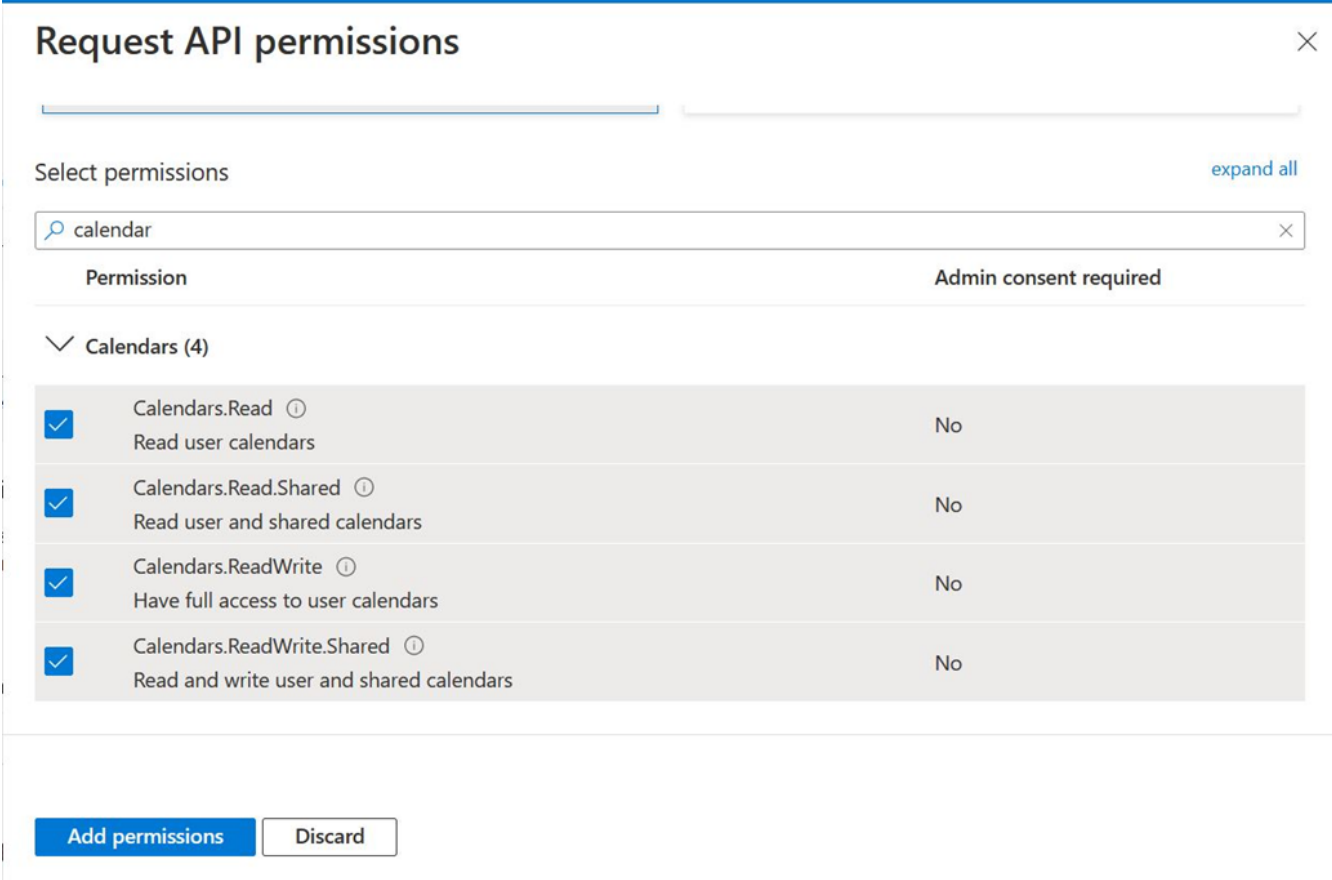
10. Click **Delegated permissions**.



11. Under **Permission**, do the following:

a. Under **Calendars**, select the following options:

- **Calendars.Read**
- **Calendars.Read.Shared**
- **Calendars.ReadWrite**
- **Calendars.ReadWrite.Shared**



Request API permissions

Select permissions [expand all](#)

calendar

Permission	Admin consent required
☒ Calendars.Read ⓘ Read user calendars	No
☒ Calendars.Read.Shared ⓘ Read user and shared calendars	No
☒ Calendars.ReadWrite ⓘ Have full access to user calendars	No
☒ Calendars.ReadWrite.Shared ⓘ Read and write user and shared calendars	No

Add permissions **Discard**

b. Under **Contacts**, select the following options:

- **Contacts.Read**
- **Contacts.Read.Shared**
- **Contacts.ReadWrite**
- **Contacts.ReadWrite.Shared**

c. Under **OrgContact**, select the **OrgContact.Read.All** option.

Request API permissions



Permission	Admin consent required
☒	No
☒	No
☒	No
☒	No
☒	Yes

Add permissions

Discard

d. Under **People**, select the following options:

- **People.Read**
- **People.Read.All**

Request API permissions

What type of permissions does your application require?

Delegated permissions
Your application needs to access the API as the signed-in user.

Application permissions
Your application runs as a background service or daemon without a signed-in user.

Select permissions [expand all](#)

Permission	Admin consent required
People (2)	
☒ People.Read ⓘ Read users' relevant people lists	No
☒ People.Read.All ⓘ Read all users' relevant people lists	Yes

Add permissions

Discard

e. Under **EWS**, select the **EWS.AccessAsUser.All** option.

Request API permissions

Microsoft Graph
<https://graph.microsoft.com/> Docs

What type of permissions does your application require?

Delegated permissions
 Your application needs to access the API as the signed-in user.

Application permissions
 Your application runs as a background service or daemon without a signed-in user.

Select permissions [expand all](#)

ews

Permission	Admin consent required
☒ EWS (1) ☒ EWS.AccessAsUser.All ⓘ Access mailboxes as the signed-in user via Exchange Web Services	No

Add permissions Discard

12. Click **Add permissions** The **Configured permissions** page opens.

13. Click **Grant admin consent for oauthnrm**.

App

Refresh | Got feedback?

Overview

Manage

- Branding
- Certificates & secrets
- API permissions**
- Expose an API
- App roles | Preview
- Owners
- Manifest

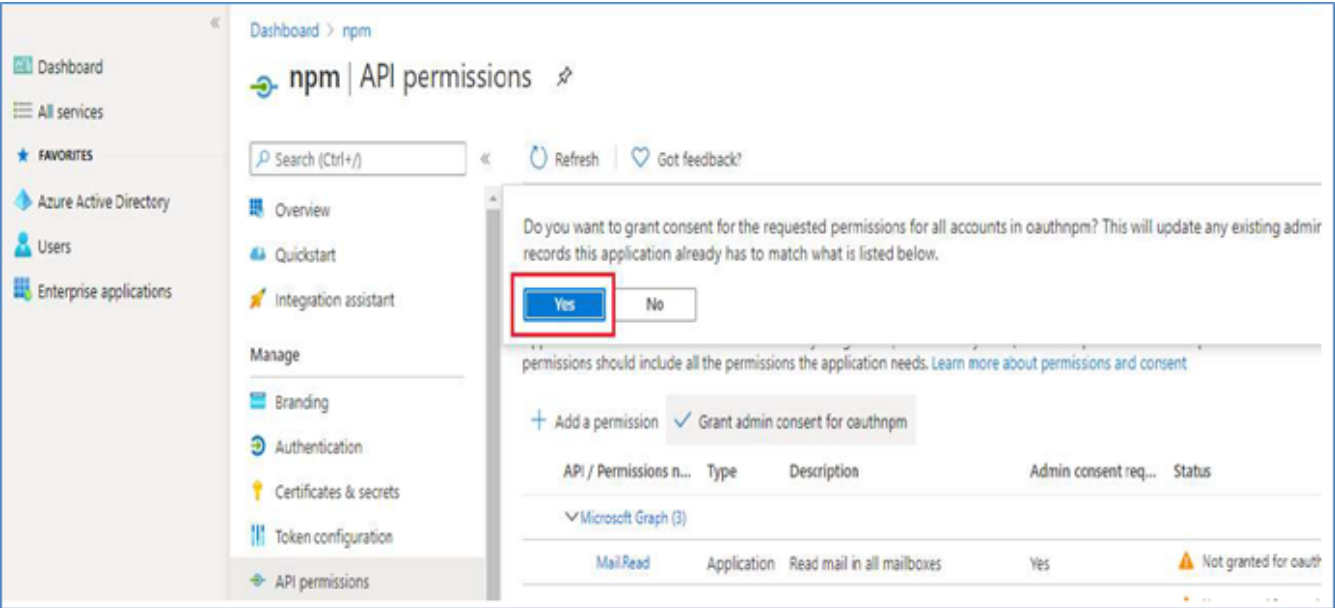
Configured permissions

Applications are authorized to call APIs when they are granted permissions by users, permissions should include all the permissions the application needs. [Learn more at](#)

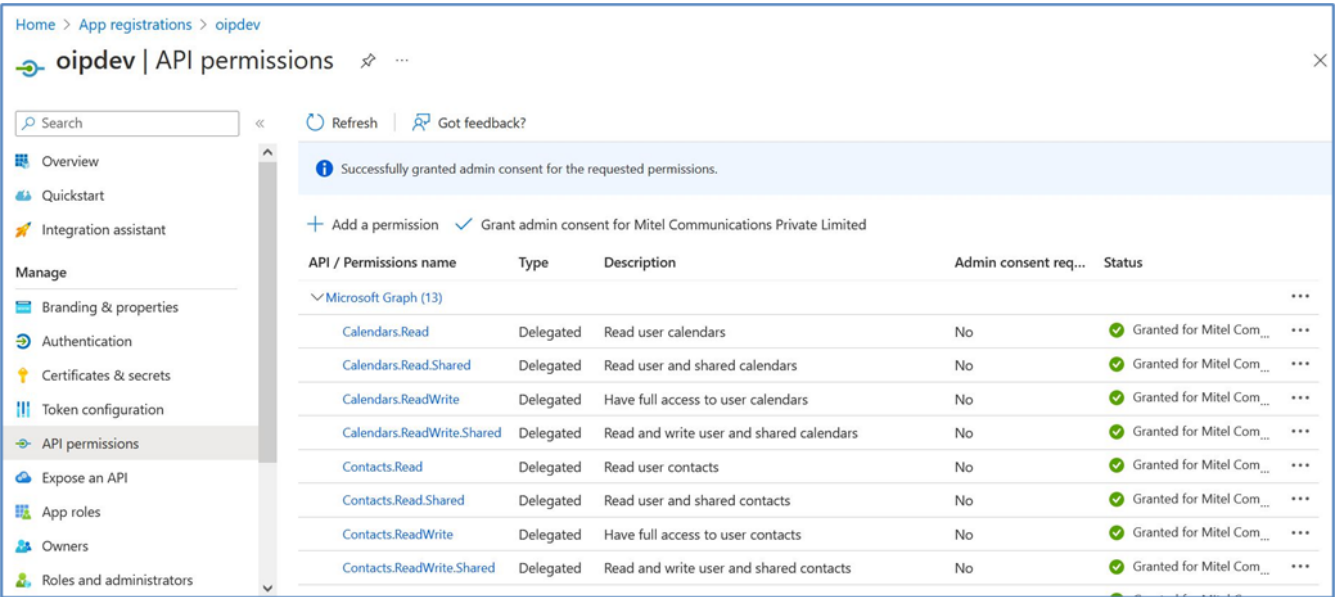
+ Add a permission **Grant admin consent for oauthnrm**

API / Permissions n...	Type	Description
Microsoft Graph (3)		
Mail.Read	Application	Read mail in all mailboxes
Mail.ReadWrite	Application	Read and write mail in all mailboxes
Mail.Send	Application	Send mail as any user

14. Click **Yes** to complete the application registration for Office 365.

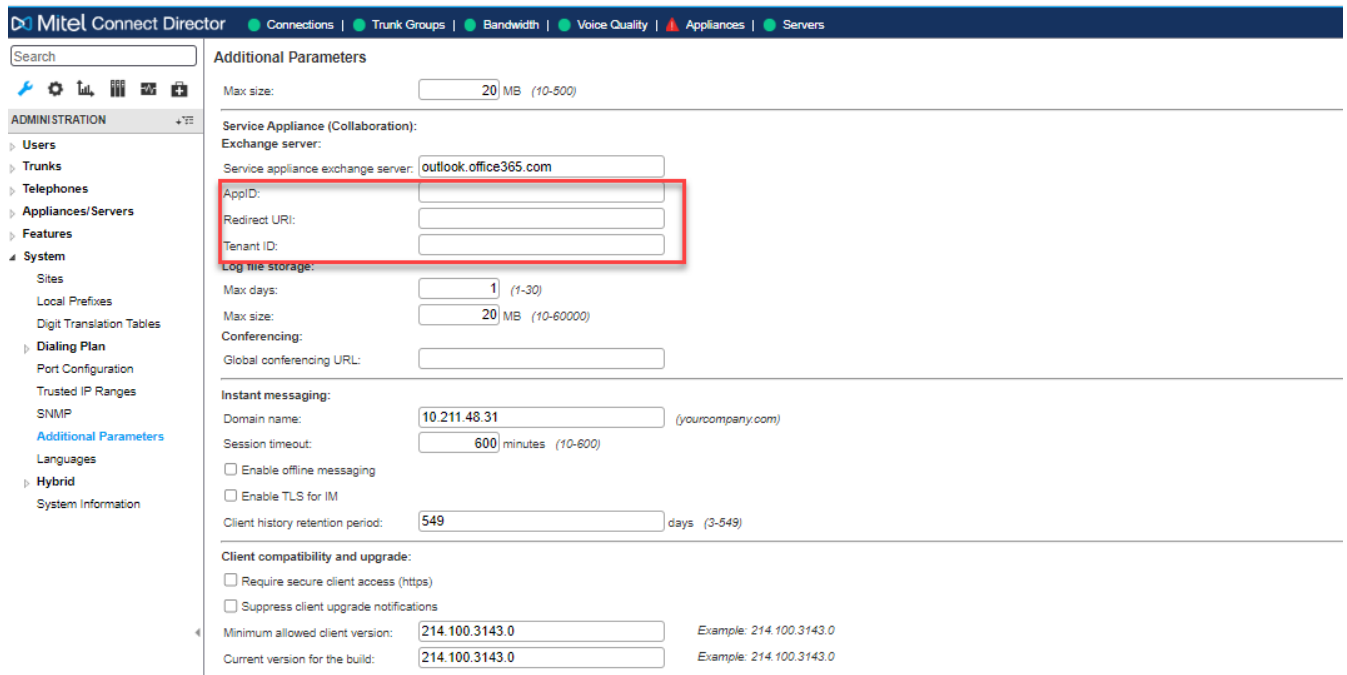


15. The following page appears after permission is granted for the selected configurations.



16. The values of the following fields will be required to be filled in the **Additional Parameters** page to configure D2 in MiVoice Connect:

- **Tenant-ID** (generated in Step-6)
- **Application-ID** (generated in Step-6)
- **Redirect-URI** (use the same Redirect URI that is used during the application configuration)



Mitel Connect Director

Connections | Trunk Groups | Bandwidth | Voice Quality | Appliances | Servers

Search

ADMINISTRATION

- Users
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 - Local Prefixes
 - Digit Translation Tables
 - Dialing Plan
 - Port Configuration
 - Trusted IP Ranges
 - SNMP
 - Additional Parameters**
 - Languages
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 - System Information

Additional Parameters

Max size: 20 MB (10-500)

Service Appliance (Collaboration):

Exchange server:

Service appliance exchange server: outlook.office365.com

AppID:

Redirect URI:

Tenant ID:

Log file storage:

Max days: 1 (1-30)

Max size: 20 MB (10-60000)

Conferencing:

Global conferencing URL:

Instant messaging:

Domain name: 10.211.48.31 (yourcompany.com)

Session timeout: 600 minutes (10-600)

☐ Enable offline messaging

☐ Enable TLS for IM

Client history retention period: 549 days (3-549)

Client compatibility and upgrade:

☐ Require secure client access (https)

☐ Suppress client upgrade notifications

Minimum allowed client version: 214.100.3143.0 Example: 214.100.3143.0

Current version for the build: 214.100.3143.0 Example: 214.100.3143.0

This completes the registration of Azure AD with Microsoft Office 365.

