



A MITEL
PRODUCT
GUIDE

MiVoice Connect Integration with Microsoft Office 365 using modern Authentication

Application Registration with Azure AD for MS Office 365

Document Version 1.0

September 2022

Notices

The information contained in this document is believed to be accurate in all respects but is not warranted by **Mitel NetworksTM Corporation (MITEL[®])**. The information is subject to change without notice and should not be construed in any way as a commitment by Mitel or any of its affiliates or subsidiaries. Mitel and its affiliates and subsidiaries assume no responsibility for any errors or omissions in this document. Revisions of this document or new editions of it may be issued to incorporate such changes. No part of this document can be reproduced or transmitted in any form or by any means - electronic or mechanical - for any purpose without written permission from Mitel Networks Corporation.

Trademarks

The trademarks, service marks, logos and graphics (collectively "Trademarks") appearing on Mitel's Internet sites or in its publications are registered and unregistered trademarks of Mitel Networks Corporation (MNC) or its subsidiaries (collectively "Mitel") or others. Use of the Trademarks is prohibited without the express consent from Mitel. Please contact our legal department at legal@mitel.com for additional information. For a list of the worldwide Mitel Networks Corporation registered trademarks, please refer to the website: <http://www.mitel.com/trademarks>.

®, TM Trademark of Mitel Networks Corporation

© Copyright 2022, Mitel Networks Corporation

All rights reserved

Contents

1 Introduction.....1

2 AZURE AD APPLICATION REGISTRATION.....2

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 Active Directory (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:

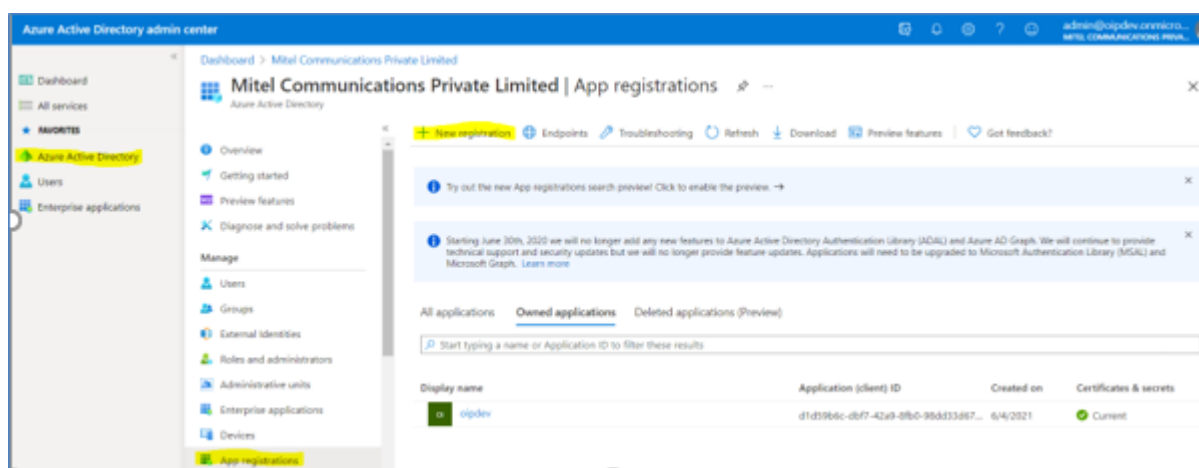
MiVoice Connect requires registering the application as public client in "*console application mode*". The steps explained in this document are only for registering the MiVC application in console application mode. It is assumed that the MiVoice Connect Administrator has Azure AD admin access to execute 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 <https://staasf-staging4.shoretelsky.com/client-365/getcode.html> in the text box.

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 ... [v](#) [https://login.microsoftonline.com/common/oauth2/nativeclient](#) [v](#)

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](#)

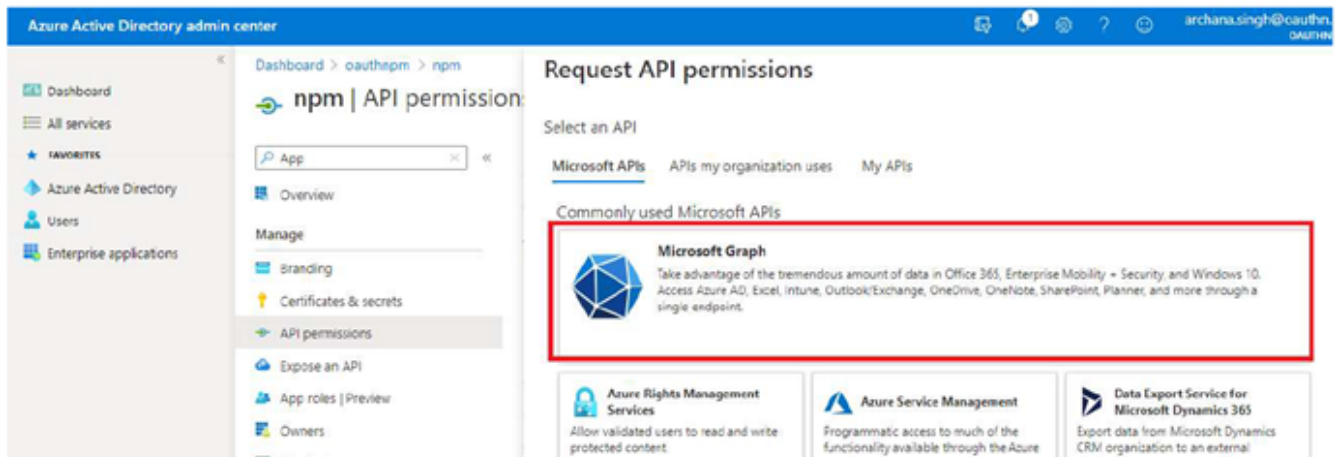
7. Go to Azure portal and click **API permissions**.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and user information. The breadcrumb trail indicates the path: Home > Mitel Communications Private Limited | App registrations > oipdev. The left-hand navigation pane lists various application management options, with 'API permissions' highlighted and enclosed in a red rectangle. The main content area displays the 'oipdev | API permissions' page. It features a search bar, a 'Refresh' button, and a 'Got feedback?' link. A blue informational banner at the top explains the 'Admin consent required' column. Below this, the 'Configured permissions' section provides an overview and a link to 'Learn more about permissions and consent'. A '+ Add a permission' button is visible, followed by a table of configured permissions. The table has columns for 'API / Permissions name', 'Type', 'Description', 'Admin consent req...', and 'Status'. One permission is listed under the 'Microsoft Graph (1)' group: 'User.Read' with a 'Delegated' type and the description 'Sign in and read user profile'. The 'Admin consent req...' column shows 'No' for this permission. At the bottom, a link suggests trying 'Enterprise applications' for managing permissions and user consent.

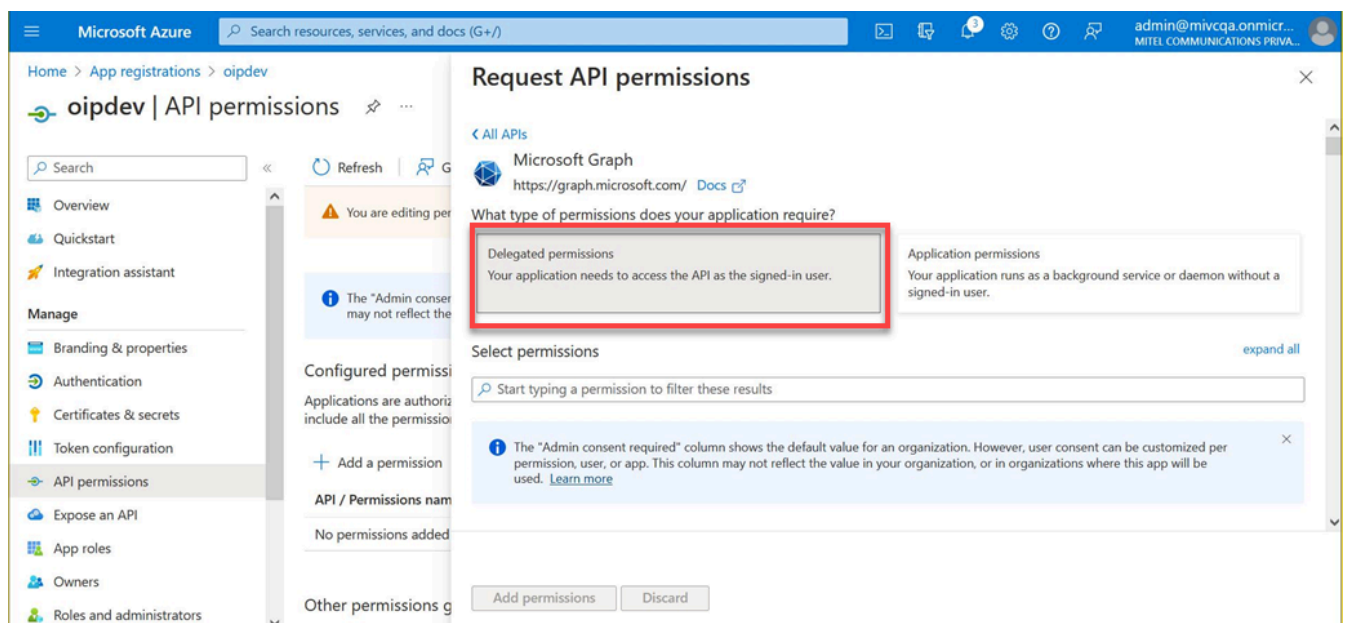
8. Click **Add a permission**. The **Request API permissions** page opens.

The screenshot shows the Azure Active Directory admin center interface. The top navigation bar includes the 'Azure Active Directory admin center' title, a search bar, and user information. The breadcrumb trail indicates the path: Dashboard > oauthnpm > npm. The left-hand navigation pane lists various services, with 'API permissions' highlighted and enclosed in a red rectangle. The main content area displays the 'npm | API permissions' page. It features a search bar, a 'Refresh' button, and a 'Got feedback?' link. A blue informational banner at the top explains the 'Admin consent required' column. Below this, the 'Configured permissions' section provides an overview and a link to 'Learn more about permissions and consent'. A '+ Add a permission' button is visible, followed by a table of configured permissions. The table has columns for 'API / Permissions name', 'Type', 'Description', 'Admin consent req...', and 'Status'. One permission is listed under the 'Microsoft Graph (1)' group: 'User.Read' with a 'Delegated' type and the description 'Sign in and read user profile'. The 'Admin consent req...' column shows 'No' for this permission. At the bottom, a link suggests trying 'Enterprise applications' for managing permissions and user consent.

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
<input checked="" type="checkbox"/> Calendars.Read ⓘ Read user calendars	No
<input checked="" type="checkbox"/> Calendars.Read.Shared ⓘ Read user and shared calendars	No
<input checked="" type="checkbox"/> Calendars.ReadWrite ⓘ Have full access to user calendars	No
<input checked="" type="checkbox"/> 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
✓ Contacts (4)	
<input checked="" type="checkbox"/> Contacts.Read ⓘ Read user contacts	No
<input checked="" type="checkbox"/> Contacts.Read.Shared ⓘ Read user and shared contacts	No
<input checked="" type="checkbox"/> Contacts.ReadWrite ⓘ Have full access to user contacts	No
<input checked="" type="checkbox"/> Contacts.ReadWrite.Shared ⓘ Read and write user and shared contacts	No
✓ OrgContact (1)	
<input checked="" type="checkbox"/> OrgContact.Read.All ⓘ Read organizational contacts	Yes

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)	
<input checked="" type="checkbox"/> People.Read ⓘ Read users' relevant people lists	No
<input checked="" type="checkbox"/> 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
<input checked="" type="checkbox"/> EWS (1) <input checked="" type="checkbox"/> 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

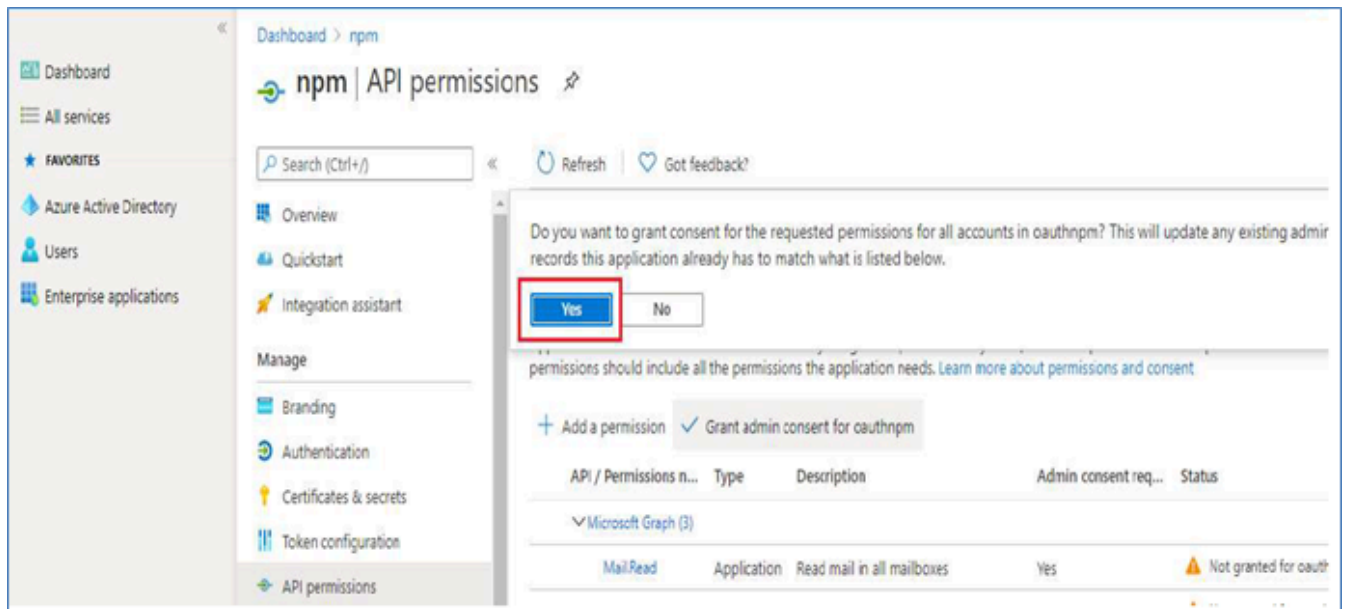
Configured permissions

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](#)

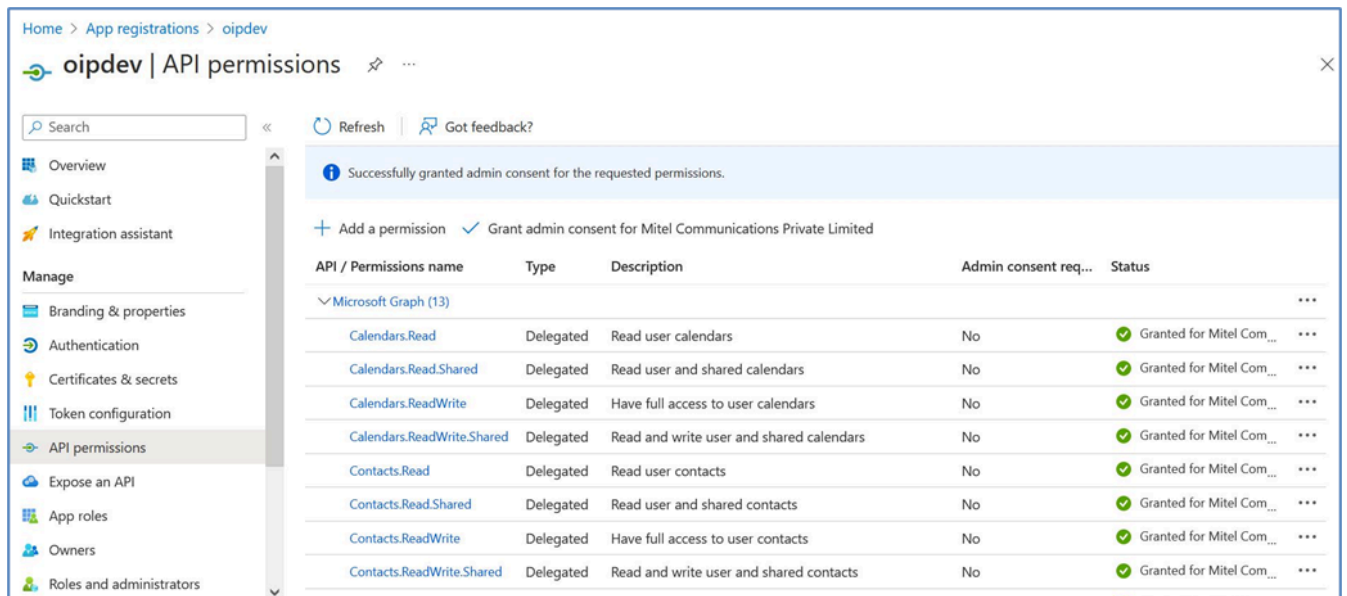
+ Add a permission **Grant admin consent for oauthnrm**

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
- Trunks
- Telephones
- Appliances/Servers
- Features
- System
 - Sites
 - Local Prefixes
 - Digit Translation Tables
 - Dialing Plan
 - Port Configuration
 - Trusted IP Ranges
 - SNMP
 - Additional Parameters**
 - Languages
 - Hybrid
 - System Information

Additional Parameters

Max size: 20 MB (10-500)

Service Appliance (Collaboration):

Exchange server:

Service appliance exchange server: outlook.office365.com

ApplID:

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.

