

# INSTANT BOOKING

How to migrate your EWS Exchange Interop to Graph API

## INFORMATIONS

Microsoft has announced that it will be removing impersonation scopes from Exchange Online by February 2025. It will be necessary to migrate your Exchange interop to Graph API mode.

**Once your interop is in Graph API mode, the impersonation scope configured on the service account will no longer be necessary and can be removed.**

How to check if my Interop Exchange is in EWS mode ?

You must be a Cloud\_Admin on Instant Booking to perform this action.

Go to Instant Booking administration -> Interop section

[https://<CLIENT\\_URL>.sharingcloud.net/ib/<CLIENT>/portal/admin/#interop\\_sync](https://<CLIENT_URL>.sharingcloud.net/ib/<CLIENT>/portal/admin/#interop_sync)

Click on the Exchange interop name and check the selected API mode. If the mode is EWS, change the API Permissions in the Azure AD application to remove the EWS Access right and add the new rights via Graph API.

The screenshot shows the 'Instant Booking' administration interface. The top navigation bar includes 'Requests 12359', 'Bookings', 'Reception desks', 'Resources', 'Devices', 'Services', 'Digital signage', 'Room List', 'Maps', 'Report', 'Notifications', 'Mails', 'Badges', 'Settings', 'Interop', 'File Sync', and 'Office Presence'. The 'Interop' menu item is highlighted with a red box. Below the navigation bar, the 'Interop configurations' section is visible. It features a table with columns: 'Actions', 'Name', 'Type', 'Enabled', 'Last activity', and 'Last push'. A single entry is shown with the name 'o365 - [redacted]', type 'exchangeinteropconfiguration', and 'Enabled' status checked. The 'Name' cell is highlighted with a red box. There are also buttons for 'Add a new Interop configuration' and 'Refresh'.

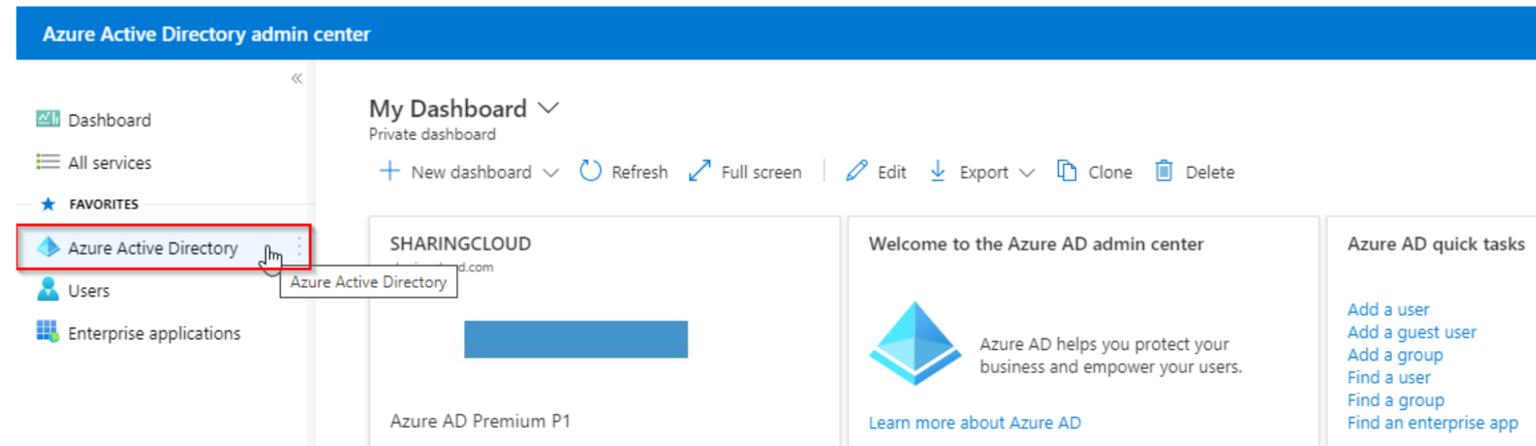
The screenshot shows the 'Editing Interop configuration' dialog box. The title bar reads 'Editing Interop configuration'. The main content area displays the configuration details for 'Interop : exchangeinteropconfiguration'. The 'API' field is highlighted with a red box and is set to 'Exchange Web Services (EWS)'. Other fields include 'Configuration name' (o365 - [redacted]), 'Enable configuration' (checked), 'Protocol' (HTTPS), 'Server' (outlook.office365.com), 'Account username' ([redacted]), and 'Account password' (masked with dots). At the bottom, there are buttons for 'Save changes', 'Delete', and 'Cancel'.

# SEARCH FOR MODERN AUTH SHARINGCLOUD APPLICATION

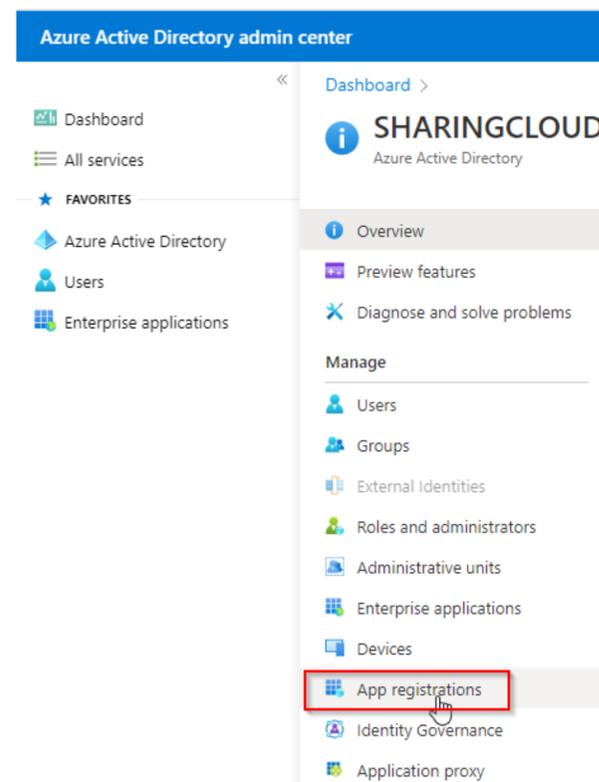
- Go to your Azure active directory portal and click on App Registrations :

<https://aad.portal.azure.com>

- Click on Azure Active Directory



- Then click on App Registrations



# SEARCH FOR MODERN AUTH SHARINGCLOUD APPLICATION

You need to search for the SharingCloudModernAuthExchange application, which should normally exist in your Azure

The screenshot shows the Azure Active Directory admin center interface. The main content area displays the details for the application 'SharingCloudModernAuthExchange'. The 'Essentials' section lists the following information:

- Display name : [SharingCloudModernAuthExchange](#) (with a 'Copy to clipboard' button)
- Application (client) ID : f67b680d-... (highlighted with a red box and a 'Copy to clipboard' button)
- Object ID : 62a485eb-f5a8-49d6-8f80-8c5a17e9a11f
- Directory (tenant) ID : 4330d62f-2d32-4952-8030-d5d14fb2de15

If you can't find the application with this name, you can look in the interop configuration for the application ID of the AZURE AD app registration created when the interop was created.

The screenshot shows the 'Editing Interop configuration' dialog box. The 'Modern Auth Client ID' field is highlighted with a red box. The dialog box contains the following fields and options:

- Account username \*
- Account password
- Exchange: Account email \*
- Mode \* : Modern Authentication (o365) Delegated mode
- Modern Auth Client ID (highlighted with a red box)
- Modern Auth Client tenant
- Refresh token allowed scopes :
  - https://outlook.office365.com/Calendars.ReadWrite
  - https://outlook.office365.com/Calendars.ReadWrite.Shared
  - https://outlook.office365.com/EWS.AccessAsUser.All
  - https://outlook.office365.com/Place.Read.All

Buttons at the bottom: Save changes, Delete, Cancel.

In the app registration you should have this configuration.

**The EWS.AccessAsUser.All right should be removed once the mode migration has been completed and the right is no longer required.**

Home > [redacted] | App registrations > InstantSuiteModernAuth

InstantSuiteModernAuth | API permissions

Search Refresh Got feedback?

Some actions may be disabled due to your permissions. To request access, contact the application owner(s) or your administrator. View application owners or administrators.

This application is using Azure AD Graph API, which is on a deprecation path. Starting June 30th, 2020 we will no longer add any new features to Azure AD Graph API. We strongly recommend that you upgrade your application to use Microsoft Graph API instead of Azure AD Graph API to access Microsoft Entra ID resources. [Learn more](#)

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

### 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 SHARINGCLOUD

API / Permissions name	Type	Description	Admin consent requ...	Status
▼ Azure Active Directory Graph (1)				
User.Read	Delegated	Enable sign-on and read users' profiles	No	...
▼ Office 365 Exchange Online (1)				
EWS.AccessAsUser.All	Delegated	Access mailboxes as the signed-in user via Exchange Web ...	No	...

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try [Enterprise applications](#).

You now need to add the new API Permissions shown in the following slides via Graph API.

# UPDATE APPLICATION MODERN AUTH

- On API Permissions, click on "Add a permission"

Azure Active Directory admin center

Dashboard > SHARINGCLOUD > SharingCloudModernAuthExchange

## SharingCloudModernAuthExchange | API permissions

Search (Ctrl+/) Refresh Got feedback?

Overview  
Quickstart  
Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions**
- Expose an API
- App roles
- Owners

Configured permissions

The "Admin consent required" column shows the default value for an organization. [Learn more](#)

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

**2** + Add a permission ✓ Grant admin consent for SHARINGCLOUD

API / Permission	Type	Description
Microsoft Graph (1)		
User.Read	Delegated	Sign in and read user profile

To view and manage permissions and user consent, try [Enterprise applications](#).

EWS.AccessAsUser.All	Delegated	Access mailboxes as the signed-in user via Exchange Web ...	No	Granted for [redacted] ...
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# UPDATE APPLICATION MODERN AUTH

- On Microsoft APIs tab, click on Microsoft Graph.

## Request API permissions



Select an API

Microsoft APIs

APIs my organization uses

My APIs

Commonly used Microsoft APIs



### Microsoft Graph

Take advantage of the tremendous amount of data in Office 365, Enterprise Mobility + Security, and Windows 10. Access Azure AD, Excel, Intune, Outlook/Exchange, OneDrive, OneNote, SharePoint, Planner, and more through a single endpoint.

# UPDATE APPLICATION MODERN AUTH

- Select delegated permissions
- Then in Permission list :
  - Go to Calendar
    - Check Calendars.ReadWrite : Allows the app to create, read, update, and delete events in user calendars
    - Check Calendars.ReadWrite.Shared : Allows the app to create, read, update and delete events in all calendars the user has permissions to access. This includes delegate and shared calendars
  - Go to Place
    - Check Place.Read.All : Allows the app to read company places (conference rooms and room lists) set up in Exchange Online for the tenant
  - Go to User (this should be check by default)
    - Check User.Read : Allows users to sign-in to the app and allows the app to read the profile of signed-in users. It also allows the app to read basic company information of signed-in users
- Click on Update permissions.

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.

Calendars (2)

<input type="checkbox"/>	Calendars.Read Read user calendars	No
<input 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

Place (1)

<input checked="" type="checkbox"/>	Place.Read.All Read all company places	Yes
<input type="checkbox"/>	Place.ReadWrite.All Read and write organization places	Yes

User (1)

<input type="checkbox"/>	User.Export.All Export user's data	Yes
<input type="checkbox"/>	User.Invite.All Invite guest users to the organization	Yes
<input type="checkbox"/>	User.ManageIdentities.All Manage user identities	Yes
<input checked="" type="checkbox"/>	User.Read Sign in and read user profile	No
<input type="checkbox"/>	User.Read.All Read all users' full profiles	Yes

Update permissions Discard

# UPDATE APPLICATION MODERN AUTH

- Then click on Grant admin consent for the application, and confirm in the popup displayed

Azure Active Directory admin center

Dashboard > SHARINGCLOUD > SharingCloudModernAuthExchange

## SharingCloudModernAuthExchange | API permissions

Search (Ctrl+/) Refresh Got feedback?

**Warning:** You are editing permission(s) to your application, users will have to consent even if they've already done so previously.

**Info:** The "Admin consent required" column shows the default value for an organization. However, user consent can be overridden. [Learn more](#)

### Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. [Learn more about permissions and consent](#)

[+ Add a permission](#)  Grant admin consent for SHARINGCLOUD

API / Permissions name	Type	Description	Admin consent required
Microsoft Graph (4)			
Calendars.ReadWrite	Delegated	Have full access to user calendars	No
Calendars.ReadWrite.Shared	Delegated	Read and write user and shared calendars	No
Place.Read.All	Delegated	Read all company places	Yes
User.Read	Delegated	Sign in and read user profile	No

### Grant admin consent confirmation.

Do you want to grant consent for the requested permissions for all accounts in SHARINGCLOUD? This will update any existing admin consent records this application already has to match what is listed below.

[Learn more](#)

## OPTIONAL for Teams meetings creation

To allow Instant Booking to create Teams Meetings

- On API Permissions, click on "Add a permission"

Azure Active Directory admin center

Dashboard > SHARINGCLOUD > SharingCloudModernAuthExchange

### SharingCloudModernAuthExchange | API permissions

Search (Ctrl+/) Refresh Got feedback?

**1** API permissions

**2** + Add a permission ✓ Grant admin consent for SHARINGCLOUD

Configured permissions

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

API / Permission	Type	Description
Microsoft Graph (1)		
User.Read	Delegated	Sign in and read user profile

To view and manage permissions and user consent, try [Enterprise applications](#).

## OPTIONAL for Teams meetings creation

- On Microsoft APIs tab, click on Microsoft Graph.

### Request API permissions



Select an API

Microsoft APIs

APIs my organization uses

My APIs

Commonly used Microsoft APIs



#### Microsoft Graph

Take advantage of the tremendous amount of data in Office 365, Enterprise Mobility + Security, and Windows 10. Access Azure AD, Excel, Intune, Outlook/Exchange, OneDrive, OneNote, SharePoint, Planner, and more through a single endpoint.

# OPTIONAL for Teams meetings creation

- Select delegated permissions
- Then in Permission list :
  - Go to OnlineMeetings
    - Check OnlineMeetings.ReadWrite : Allows the app to create, read, update, and delete events in user calendars
- Click on Add permissions.

**Request API permissions**

< All APIs

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

Online

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

Permission	Admin consent required
> OnlineMeetingArtifact	
> OnlineMeetingRecording	
∨ OnlineMeetings (1)	
<input type="checkbox"/> OnlineMeetings.Read Read user's online meetings	No
<input checked="" type="checkbox"/> OnlineMeetings.ReadWrite Read and create user's online meetings	No
> OnlineMeetingTranscript	

Add permissions Discard

# OPTIONAL for Teams meetings creation

- Grant admin consent for the application

Dashboard > SHARINGCLOUD | App registrations > SharingCloudModernAuthTeams

## SharingCloudModernAuthTeams | API permissions

Search Refresh Got feedback?

**Warning:** You are editing permission(s) to your application, users will have to consent even if they've already done so previously.

**Info:** The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission.

### 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 shows all the permissions the application needs. [Learn more about permissions and consent](#)

+ Add a permission  Grant admin consent for SHARINGCLOUD

API / Permissions name	Type	Grant admin consent for SHARINGCLOUD	Admin consent required
Microsoft Graph (2)			
OnlineMeetings.ReadWrite	Delegated	Read and create user's online meetings	No
User.Read	Delegated	Sign in and read user profile	No

To view and manage permissions and user consent, try [Enterprise applications](#).

**Navigation:** Overview, Quickstart, Integration assistant, Manage (Branding & properties, Authentication, Certificates & secrets, Token configuration, API permissions, Expose an API, App roles, Owners, Roles and administrators, Manifest), Support + Troubleshooting (Troubleshooting, New support request)

# SWITCH API MODE INTEROP

You need to change the API mode to Graph API and change the server address to graph.microsoft.com, then save.

Editing Interop configuration

Interop : exchangeinteropconfiguration

Configuration name \* o365 - shows

Enable configuration

API \* Microsoft Graph

Caution - This action will unsubscribe all resources from this interop. Make sure the requirements of the new API are met to ensure continuity of service.

Protocol \* HTTPS

Server \* graph.microsoft.com

Account username \* vol\_e1@o365.sharingdev

Save changes Delete Cancel

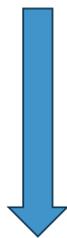
# EXCHANGE INTEROP CONNECTION

Once the interop has been switched to Graph API mode, click on the next button to generate an authentication code for the device code flow. Retrieve the code provided for the next step.

The screenshot shows the 'INSTANT BOOKING' interface with the 'Interop configurations' section active. A table lists configurations, with the first one selected. The actions menu is open, and 'Get modern auth code for token' is highlighted.

Actions	Name	Type	Enabled	Last activity	Last push
	o365	exchangeinteropconfiguration	✓	03/21/2024 07:41 PM	03/21/2024 07:13 PM

- Synchronize resource
- Full synchronization resource
- Connectivity report
- Delete
- Subscribe to push
- Unsubscribe from push
- Delete access token
- Get modern auth code for token**
- Get modern auth token for refresh token



Warning

Are you sure you want to execute this action `get_modern_auth_code_for_token`?

Yes No



Get modern auth token for refresh token

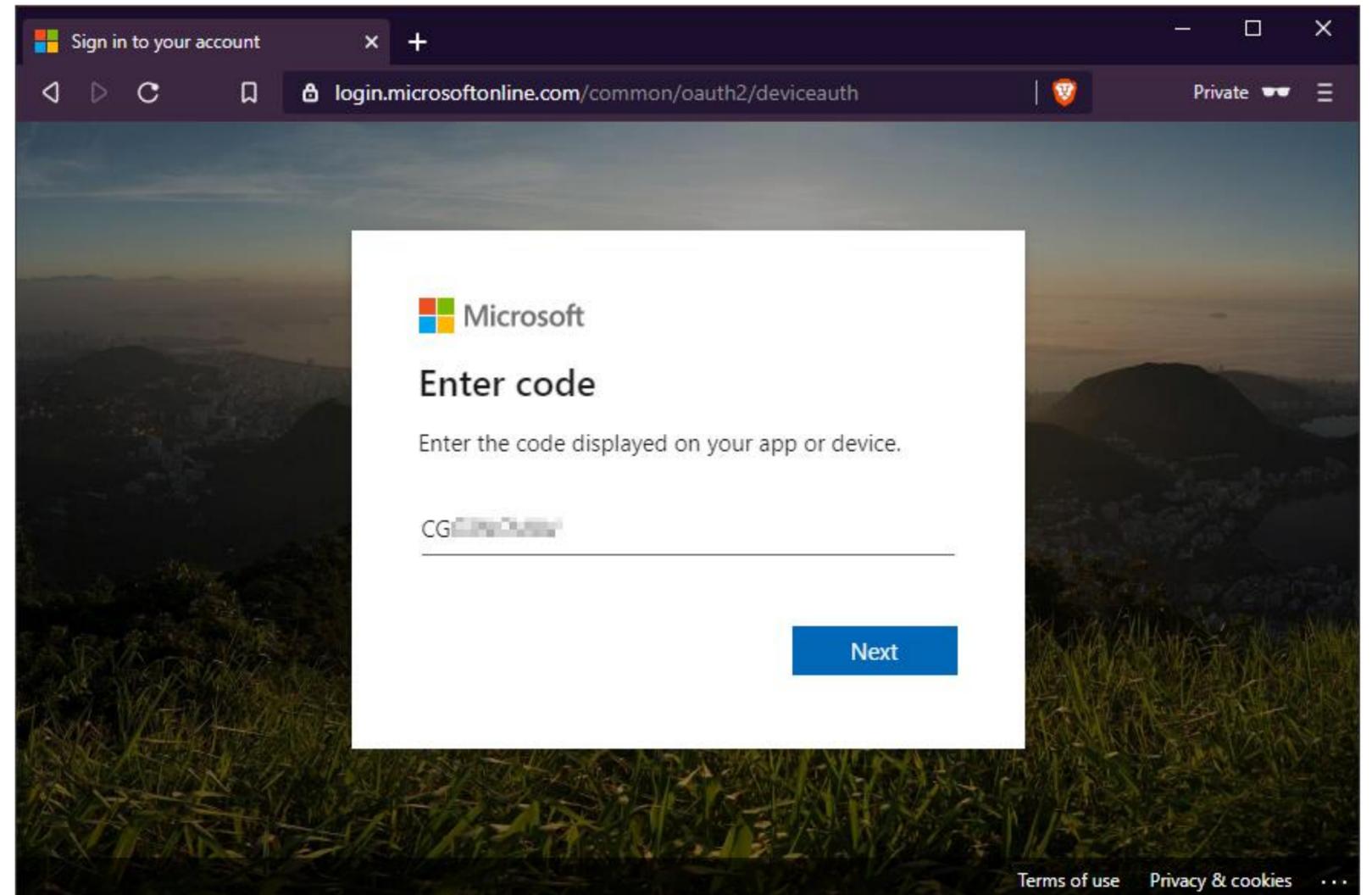
To sign in, use a web browser to open the page <https://microsoft.com/devicelogin> and enter the code **GQ3UHCUBR** to authenticate.

# VALIDATE YOUR DEVICE CODE

- Go to <https://microsoft.com/devicelogin>

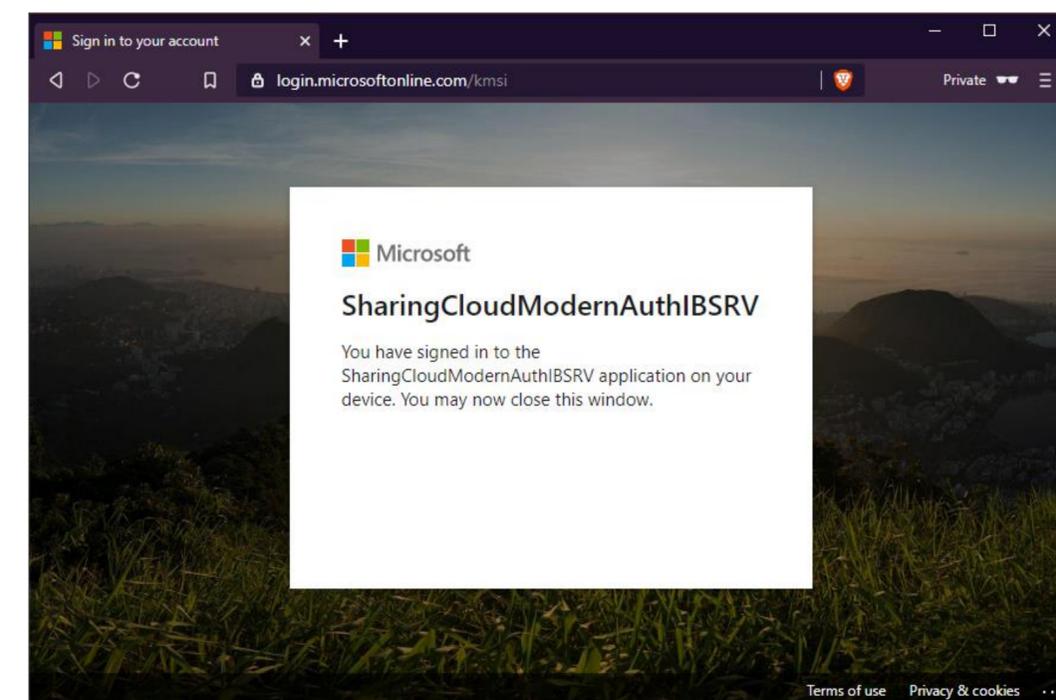
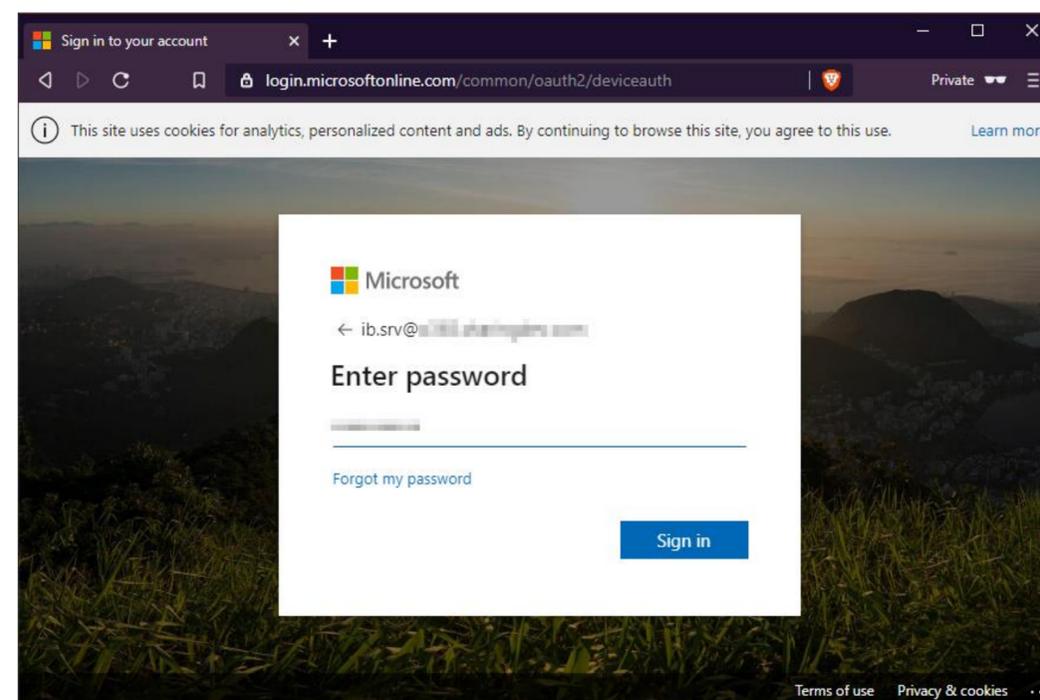
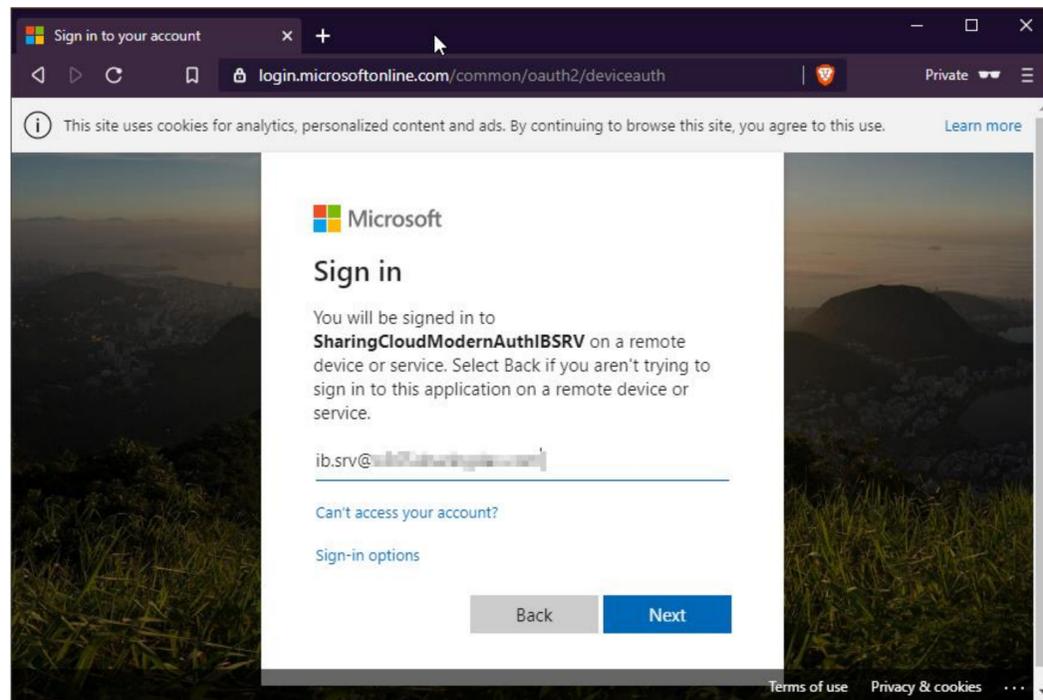
Access the URL through a private window. This will prevent the code validation with your own account.

- Enter the code



# VALIDATE YOUR DEVICE CODE

- Login **by using service account** you use for authenticate SharingCloud client to Exchange.



- Once the authentication is done. You can close Windows and return to Instant Booking Interop administration.

# COMPLETE CONFIGURATION

You need to click on Get modern auth token for refresh token

INSTANT BOOKING Room booking and videoconference scheduling

English (United States)

Requests 12140 Bookings Reception desks Resources Devices Services Digital signage Room List Maps Report Notifications Mails Badges Settings Interop File Sync Office Presence

### Interop configurations

Show 25 entries

Add a new Interop configuration Refresh

Search in displayed items

Actions	Name	Type	Enabled	Last activity	Last push
<ul style="list-style-type: none"><li>Synchronize resource</li><li>Full synchronization resource</li><li>Connectivity report</li><li>Delete</li><li>Subscribe to push</li><li>Unsubscribe from push</li><li>Delete access token</li><li>Get modern auth code for token</li><li>Get modern auth token for refresh token</li></ul>	o365 -	exchangeinteropconfiguration	✓	03/21/2024 07:41 PM	03/21/2024 07:13 PM

Refresh

Search in displayed items

To test the interop connection, click on the interop name and scroll down to the bottom of the configuration, then run the test. The result should be OK

INSTANT BOOKING Room booking and videoconference scheduling

English (United States)

Requests 12140 Bookings Reception desks Resources Devices Services Digital signage Room List Maps Report Notifications Mails Badges Settings Interop File Sync Office Presence

### Interop configurations

Show 25 entries

Add a new Interop configuration Refresh

Search in displayed items

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Showing 1 to 1 of 1 entries

Previous 1 Next

### Editing Interop configuration

Horizon max in days

Account used in IB \* interopo365@sharingcloi

Push URL (if using reverse proxy)

Can sync bookings from interop

Can sync bookings to interop

Send daily report

Email addresses to send the report to (separated by ;)

Test connectivity

Once you have checked that the interop test is OK with the Graph API mode, launch a full synchronization.

The screenshot displays the 'INSTANT BOOKING' interface for 'Room booking and videoconference scheduling'. The top navigation bar includes various menu items such as 'Requests 12359', 'Bookings', 'Reception desks', 'Resources', 'Devices', 'Services', 'Digital signage', 'Room List', 'Maps', 'Report', 'Notifications', 'Mails', 'Badges', 'Settings', 'Interop', 'File Sync', and 'Office Presence'. The 'Interop' tab is currently selected.

The main content area is titled 'Interop configurations'. It features a search bar, a 'Show 25 entries' dropdown, and two buttons: 'Add a new Interop configuration' and 'Refresh'. Below this is a table with the following columns: 'Actions', 'Name', 'Type', 'Enabled', 'Last activity', and 'Last push'. A single row is visible with the following data: 'o365 - [redacted]', 'exchangeinteropconfiguration', 'Enabled' (green checkmark), '27/03/2024 07:32', and '27/03/2024 07:11'. A context menu is open over the 'Actions' column, listing several options, with 'Full synchronization resource' highlighted in red. Other options include 'Synchronize resource', 'Connectivity', 'Delete', 'Subscribe to push', 'Unsubscribe from push', 'Delete access token', 'Get modern auth code for token', and 'Get modern auth token for refresh token'. Below the table, there are pagination controls: 'Previous', '1', and 'Next'.

Below the 'Interop configurations' section, there is another table with the following columns: 'Actions', 'Name', 'Mode', 'Resource identifier', 'Interop', 'Last activity', 'Status', '#Res', '#Res from', and 'Sync pending'. Two rows are visible with the following data: Row 1: 'calendaring', '[redacted]', 'o365 - [redacted]', '27/03/2024 07:32', 'Enabled' (green checkmark), '303', '4', 'Sync pending' (red X); Row 2: 'calendaring', '[redacted]', 'o365 - [redacted]', '27/03/2024 07:26', 'Enabled' (green checkmark), '588', '24', 'Sync pending' (red X). A 'Refresh' button is located to the right of this table. At the bottom, there are pagination controls: 'Showing 1 to 2 of 2 entries', 'Previous', '1', and 'Next'.