



# MindManager

## Automatic License Provisioning for Microsoft Azure AD Setup Guide

Presented by MindManager Product Management & Engineering

December 18, 2021

### **Important Information (Please Read Before You Start)**

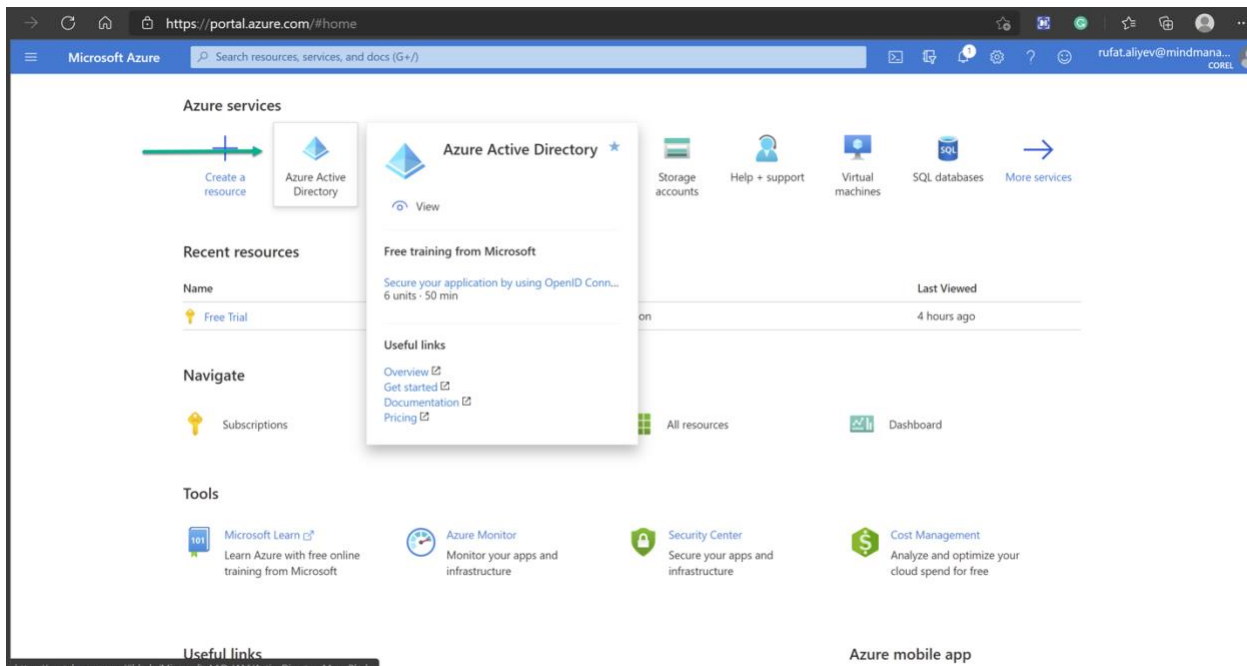
- *Automatic provisioning requires Microsoft Azure Active Directory Premium P1 or P2 edition. Group-based provisioning is supported for Security groups only.*
- *It is recommended you complete the MindManager SSO setup process before starting automatic provisioning. This allows your end users to use their existing Microsoft account to sign into MindManager as a licensed user immediately following a successful automatic provisioning setup. Automatic provisioning still works without setting up SSO prior but will require your end users to create MindManager accounts matching the email addresses synced from Azure in order to access their license.*
  - *You can begin the SSO setup process from the MindManager admin portal at: <https://cloud.mindmanager.com/admin>*
- *It is recommended that the group in Azure you wish to sync with MindManager licenses has the same number of users in the group as the number of seats on your MindManager license for the following reasons:*
  - *After all seats are filled, additional users Microsoft Azure tries to sync with MindManager licenses are rejected, rejected users who try to use MindManager software will be blocked and see a message saying there are not enough seats remaining on the license for them.*
  - *Microsoft controls the order of users synced so rejected users are randomized.*

The following instructions assume you have already:

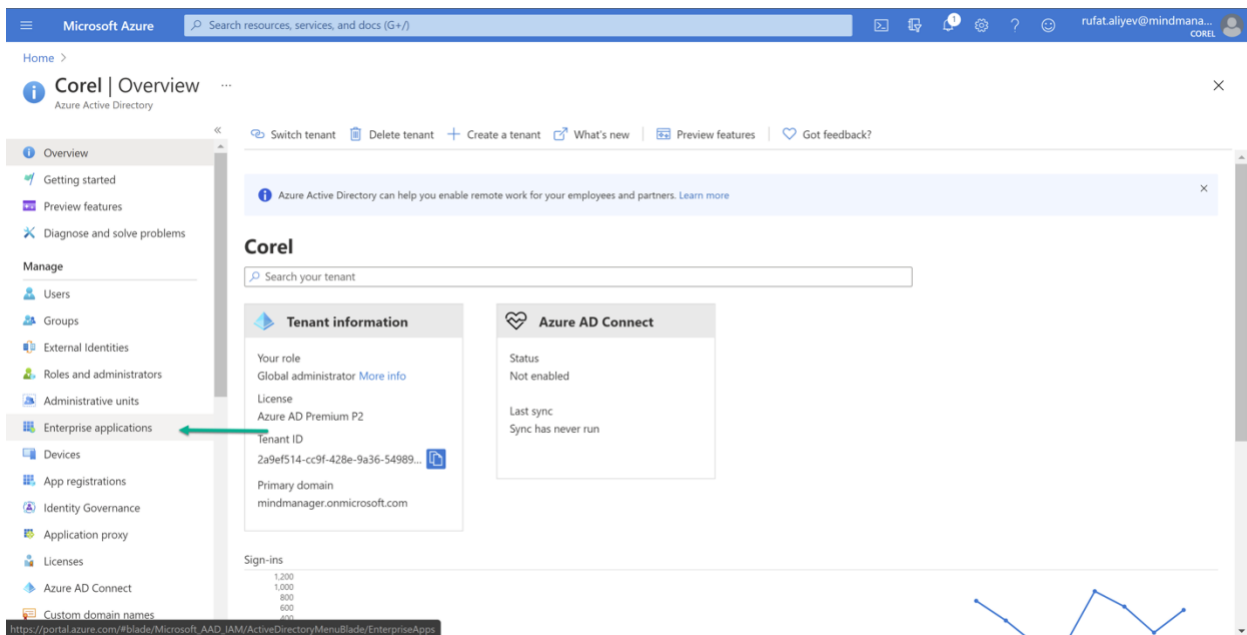
1. Created your admin account for the MindManager License Administration portal at <https://cloud.mindmanager.com/admin>
2. Clicked **Administrate** on the MindManager license you wish to automatically provision licenses for
3. Clicked the **Add / Manage Users** button
4. Clicked **Automatic Provisioning** in the Add / Manage Users dialog
5. Copied your **secret token**

If you have completed the above then you are ready to navigate to <https://portal.azure.com/#home>

Click **Azure Active Directory**



Click **Enterprise Applications** in the left navigation menu.



Click **New Application**

Microsoft Azure Search resources, services, and docs (G+)

Home > Corel > Enterprise applications

## Enterprise applications | All applications

Corel - Azure Active Directory

Overview

- Overview
- Diagnose and solve problems

Manage

- All applications
- Application proxy
- User settings
- Collections

Security

- Conditional Access
- Consent and permissions

Activity

- Sign-ins
- Usage & insights
- Audit logs
- Provisioning logs (Preview)
- Access reviews

+ New application Columns Preview features Got feedback?

Try out the new Enterprise Apps search preview! Click to enable the preview. →

Application type: Enterprise Applications Applications status: Any Application visibility: Any Apply Reset

First 50 shown, to search all of your applications, enter a display name or the application ID.

Name	Homepage URL	Object ID	Application ID
Adobe Document Cloud	https://adobe.com/go/o365pdf	4e02a3c7-4a3c-4f3d-ad0c-ec1860a13b16	d1a56703-db22-4104-a26d-53fb7e5a00...
Azure DevOps	http://azure.com/devops	00c0452f-0b07-47d1-8080-97c364c6e5fc	499b84ac-1321-427f-aa17-267ca6975798
Cognito SSO		f9c7ecd0-88ed-450e-b391-c85ebe99efb7	120e074d-d515-4e8a-adc1-756c971857...
Common Data Service	http://www.microsoft.com/dynamics/crm	397231d8-f6ba-4f0d-b252-53b36f3002e1	00000007-0000-0000-c000-0000000000...
file handler registration tool		51e042b0-09b6-4799-8f38-a880cc10a1...	cc30488e-b57e-40bb-93dc-a90cc05287...
Graph explorer	https://developer.microsoft.com/en-us/graph/graph-e...	557eee96-f0a1-430e-b247-40c5fd17196b	de8bc8b5-d9f9-48b1-a8ad-b748da725...
Jira Cloud	https://www.msteams-atlassian.com	e5eff38d-0166-462a-86de-a03b45d92a...	11cd7f33-594f-4d45-aa2b-c801c2422ee5
Jira Cloud for Excel		2d05297e-b03b-4429-b41f-a94bb9519...	d760da92-59d3-4459-b6ee-37648ce52...
Markdown Test App		79ba39b5-bc8d-481b-ab52-e4bd8ea0a...	96fa901f-b746-4d7c-a757-aa1e79d9bef2
Meister	https://www.mindmeister.com	32e7b0a9-4b98-45f9-bef2-09890f0793a7	d312ff80-0c2b-42ad-887b-c6392bcf6353
Microsoft Teams		027d4ea7-f669-4df3-9226-ecffb5a78b3f	cc15fd57-2c6c-4117-a88c-83b1d56b4b...
MindManager	https://www.mindjet.com/	2f6baa9c-f26e-4e1d-9292-70c223cf3c4f	7f225278-42b8-463e-b10c-fce488e140...

## Click Create your Own application

Microsoft Azure Search resources, services, and docs (G+)

Home > Corel > Enterprise applications

## Browse Azure AD Gallery


Create your own application Request new gallery app Got feedback?

You're in the new and improved app gallery experience. Click here to switch back to the legacy app gallery experience. →


Search application Single Sign-on: All User Account Management: All Categories: All

Cloud platforms


Amazon Web Services (AWS)




Google Cloud Platform



Oracle



SAP



On-premises applications

Add an on-premises application

Configure Azure AD Application Proxy to enable secure remote access.

Learn about Application Proxy

Learn how to use Application Proxy to provide secure remote access to your on-premises applications.

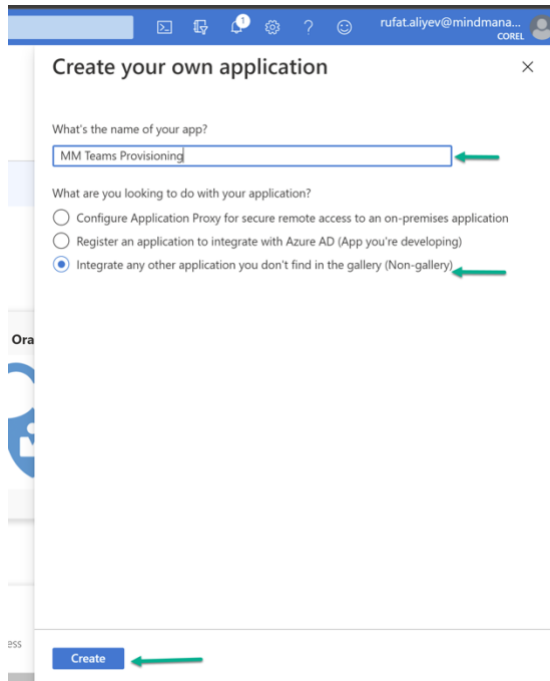
Manage Application Proxy connectors

Connectors are lightweight agents that sit on-premises and facilitate the outbound connection to the Application Proxy service.

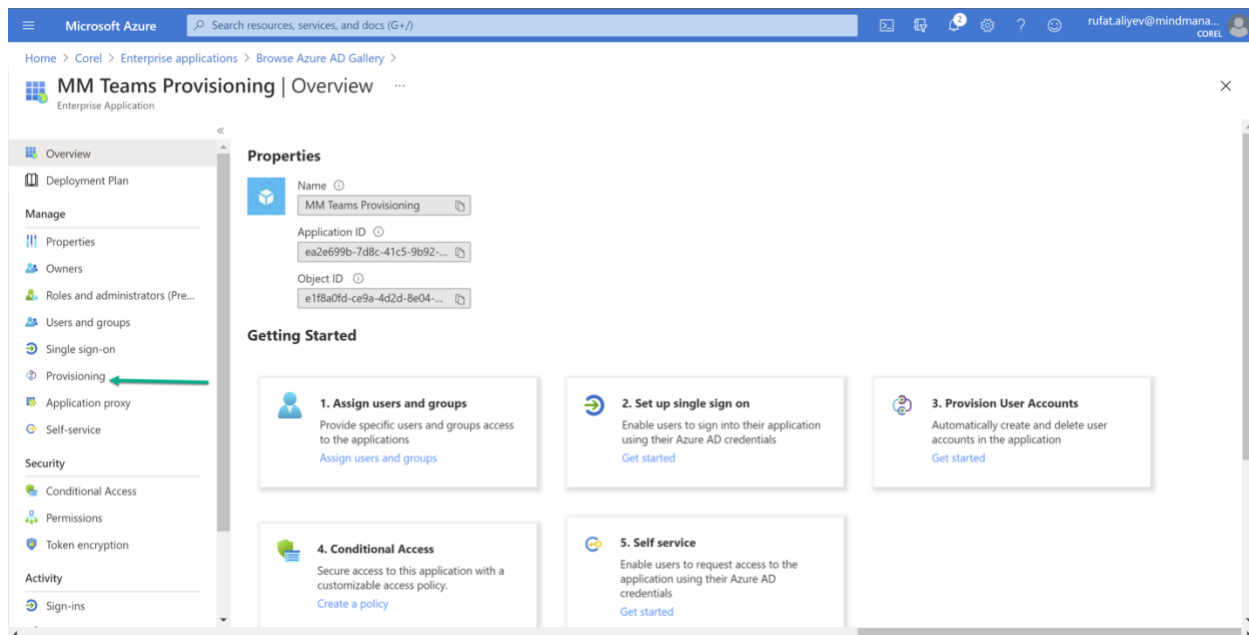
Enter a name for your app, we suggest: “MindManager Automatic License Provisioning”.

Under the section titled “What are you looking to do with your application” click **Integrate any other application you don’t find in the gallery (Non-gallery)**.

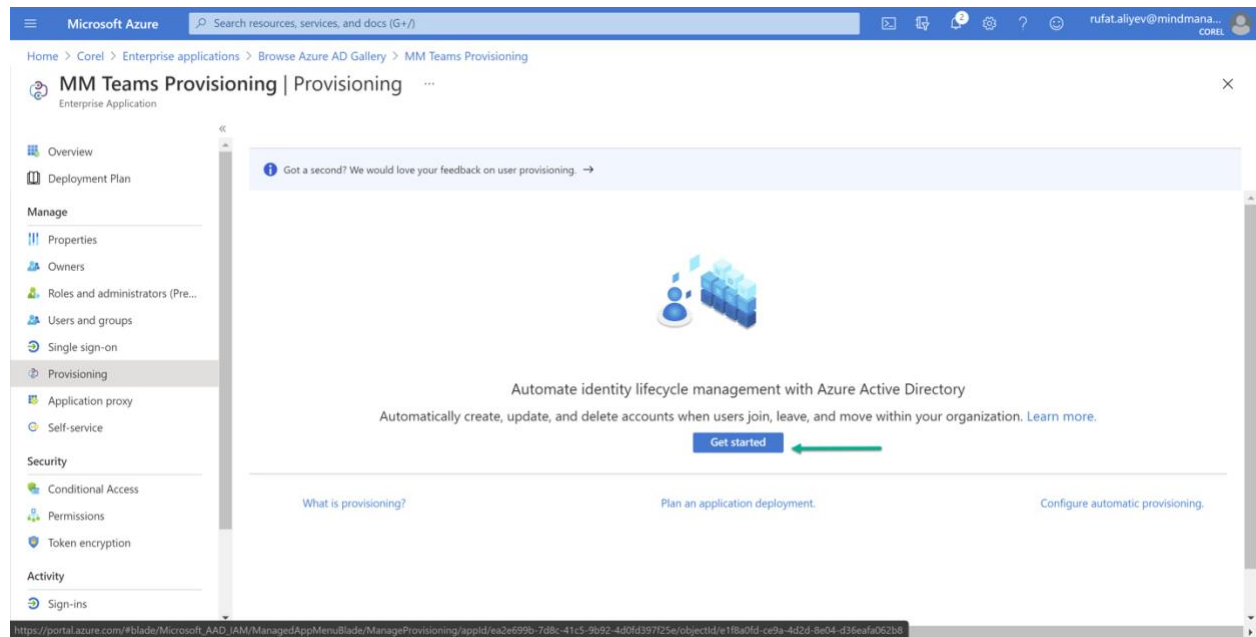
Click **Create**



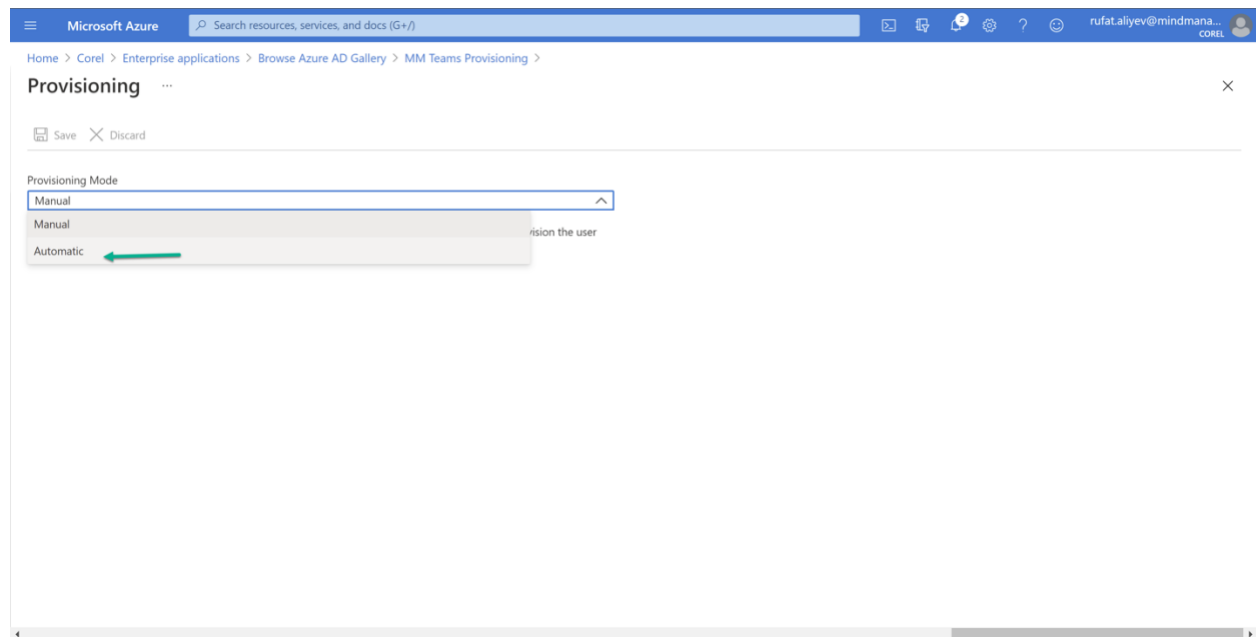
After your new application has been created, click **Provisioning** in the Left Navigation menu



## Click **Get Started**



## Select **Automatic** from the Provisioning Mode dropdown menu.



Copy this URL: <https://cloud.mindmanager.com/api/v1/scim>

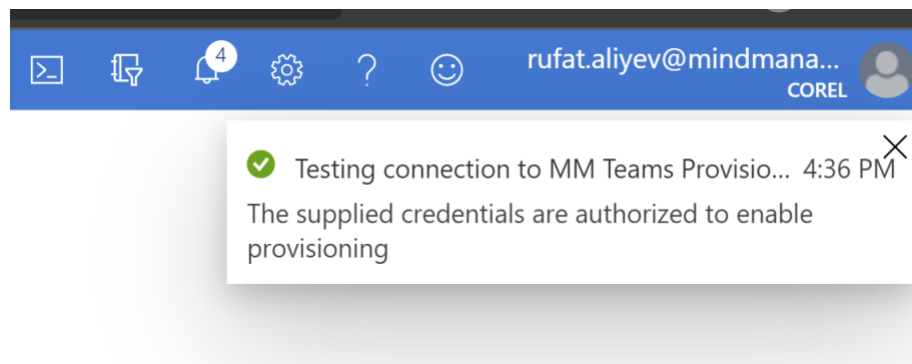
Paste the URL into the Tenant URL field

Paste the **Secret Token** from the MindManager license administration portal into the Secret Token field

The screenshot shows the 'Provisioning' page in the Microsoft Azure portal. The 'Provisioning Mode' is set to 'Automatic'. Under the 'Admin Credentials' section, the 'Tenant URL' is 'https://cloud.mindmanager.com/api/v1/scim' and the 'Secret Token' is masked with dots. A green arrow points from the 'Secret Token' field to an overlay window titled 'Automatic Provisioning Setup'. This window contains three steps: 1. Download instructions, 2. Input the secret token (with a 'Copy' button), and 3. Click 'Continue' after setup is complete.

Click on the **Test Connection** button

If there is an error, please confirm the previous steps were completed correctly or contact MindManager technical support, otherwise continue the process.



Click **Save**

Microsoft Azure Search resources, services, and docs (G+/f) rufataliyev@mindmana... COREL

Home > Corel > Enterprise applications > Browse Azure AD Gallery > MM Teams Provisioning >

## Provisioning

Save Discard

Provisioning Mode  
Automatic

Use Azure AD to manage the creation and synchronization of user accounts in MM Teams Provisioning based on user and group assignment.

Admin Credentials

Admin Credentials  
Azure AD needs the following information to connect to MM Teams Provisioning's API and synchronize user data.

Tenant URL \* ⓘ  
https://cloud.mindmanager.com/api/v1/scim ✓

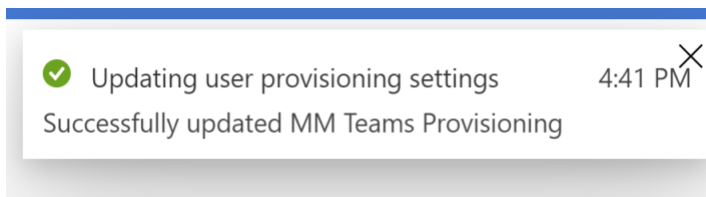
Secret Token  
\*\*\*\*\*

Test Connection

Mappings

Settings

**“Successfully updated .... Provisioning”** message is displayed.



Click the **Refresh** button on your browser OR navigate back to the Provisioning section of the Enterprise Application you created.



Home > Corel > Enterprise applications > Browse Azure AD Gallery > Demo Prov >

## Provisioning

Save Discard

Provisioning Mode

Automatic

Use Azure AD to manage the creation and synchronization of user accounts in Demo Prov based on user and group assignment.

### Admin Credentials

#### Admin Credentials

Azure AD needs the following information to connect to Demo Prov's API and synchronize user data.

Tenant URL \*

<https://cloud-qa.mindmanager.com/api/v1/scim>

Patterns: [https://\\*.com/scim](https://*.com/scim), [https://google.\\*.com/scim](https://google.*.com/scim)

Secret Token

\*\*\*\*\*

Test Connection

### Mappings

### Settings

Click the **Edit Provisioning** button.

Home > Demo Prov

## Demo Prov | Provisioning

Enterprise Application

Start provisioning Stop provisioning Restart provisioning **Edit provisioning** Provision on demand Refresh

Overview

Deployment Plan

Manage

- Properties
- Owners
- Roles and administrators (Preview)
- Users and groups
- Single sign-on
- Provisioning**
- Application proxy
- Self-service

Security

- Conditional Access
- Permissions
- Token encryption

Activity

**Current cycle status**

Initial cycle not run. 0% complete

[View provisioning logs](#)

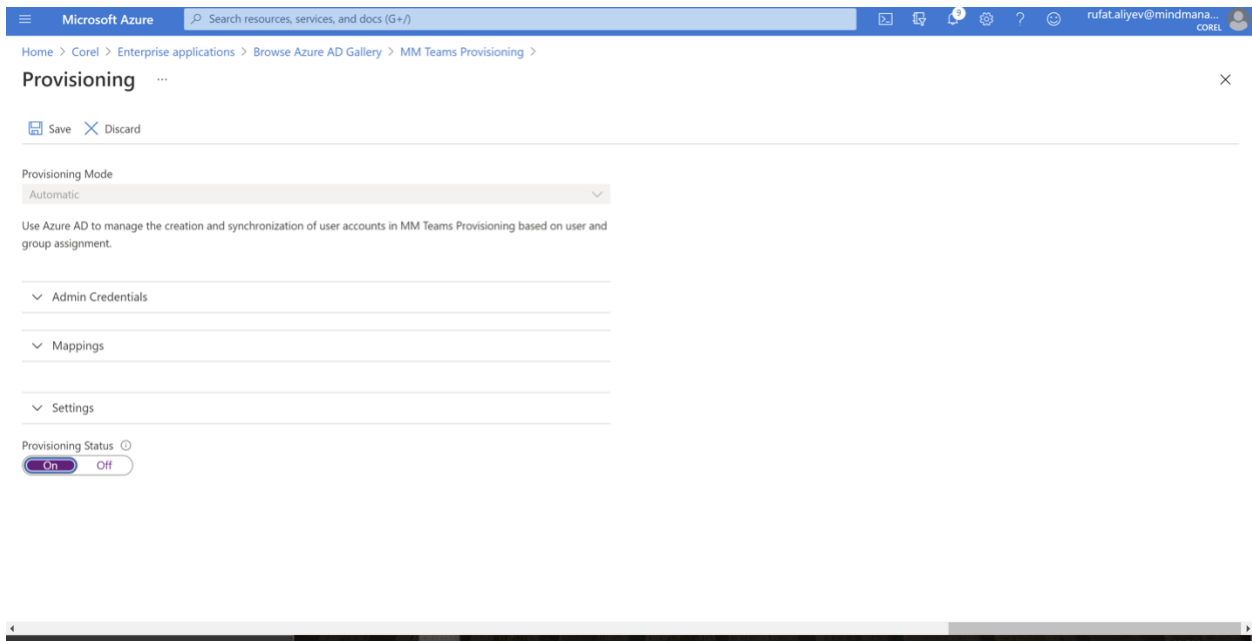
**Statistics to date**

- View provisioning details
- View technical information

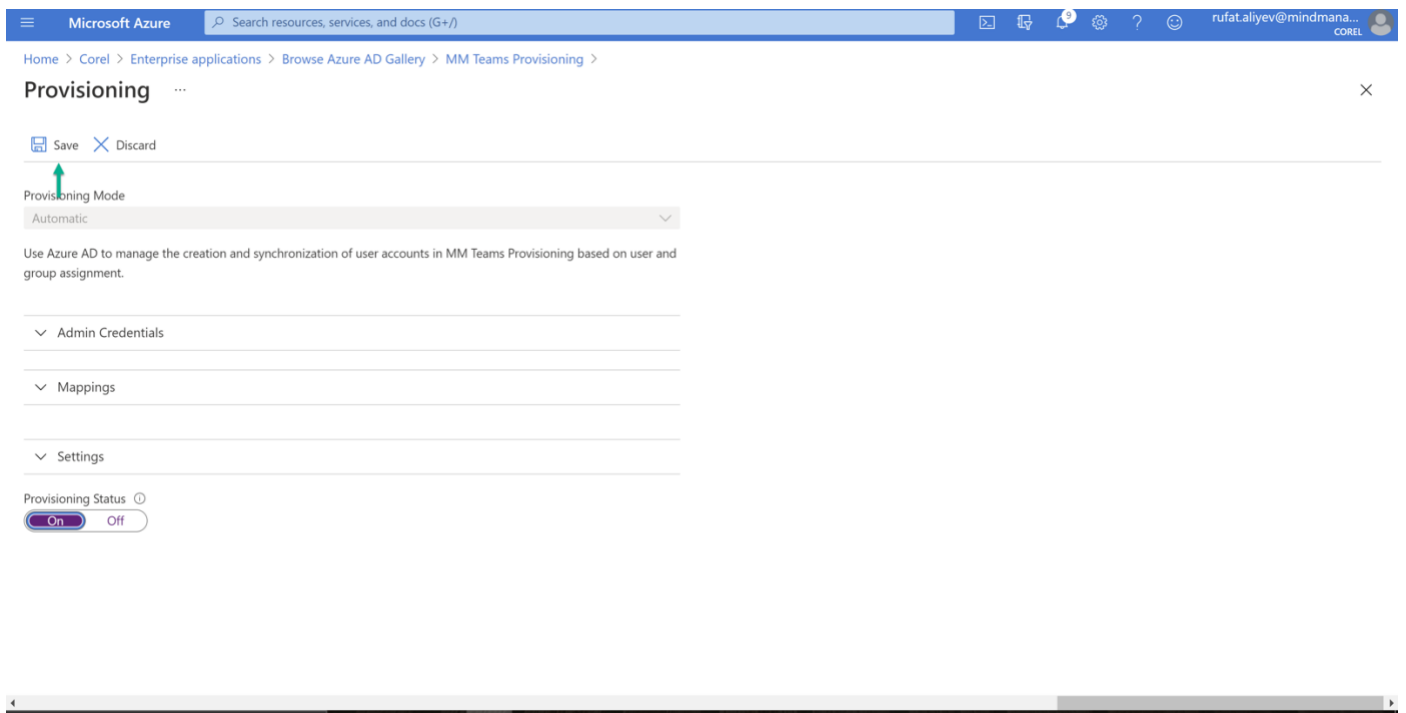
**Manage provisioning**

- [Update credentials](#)
- [Edit attribute mappings](#)
- [Add scoping filters](#)
- [Provision on demand](#)

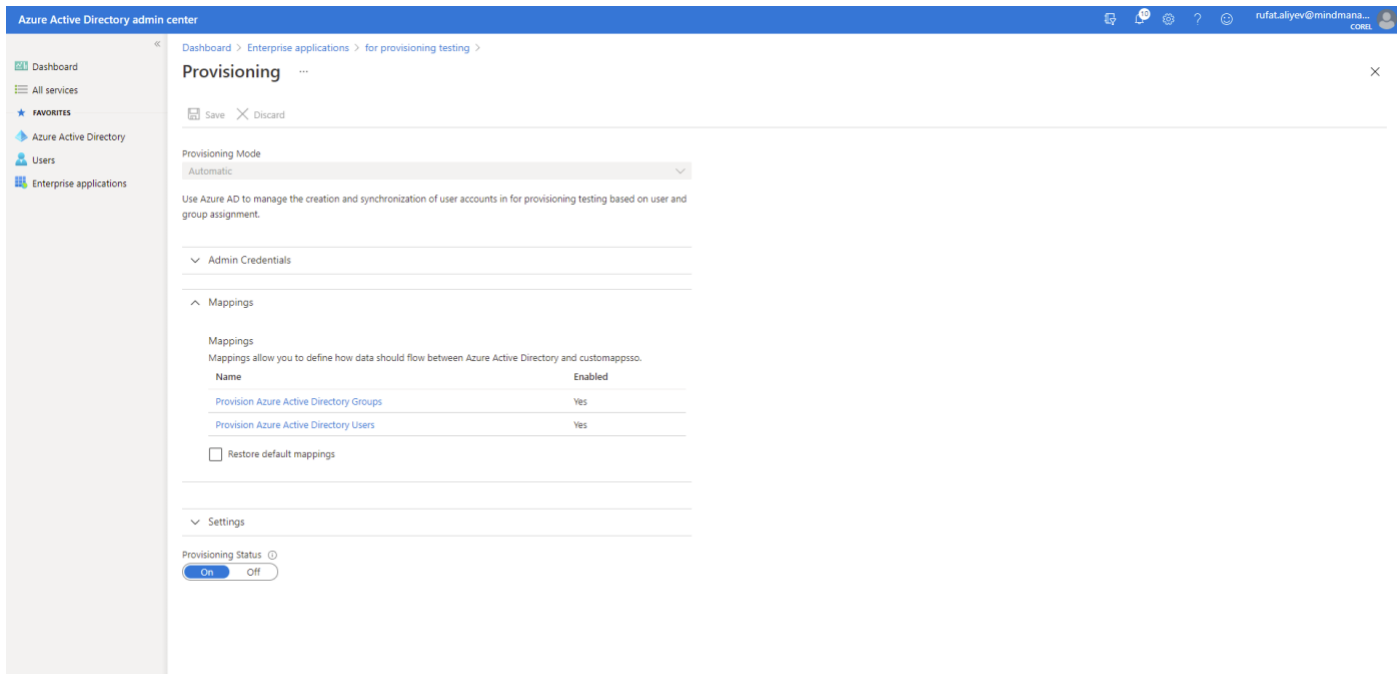
Switch **Provisioning Status ON**



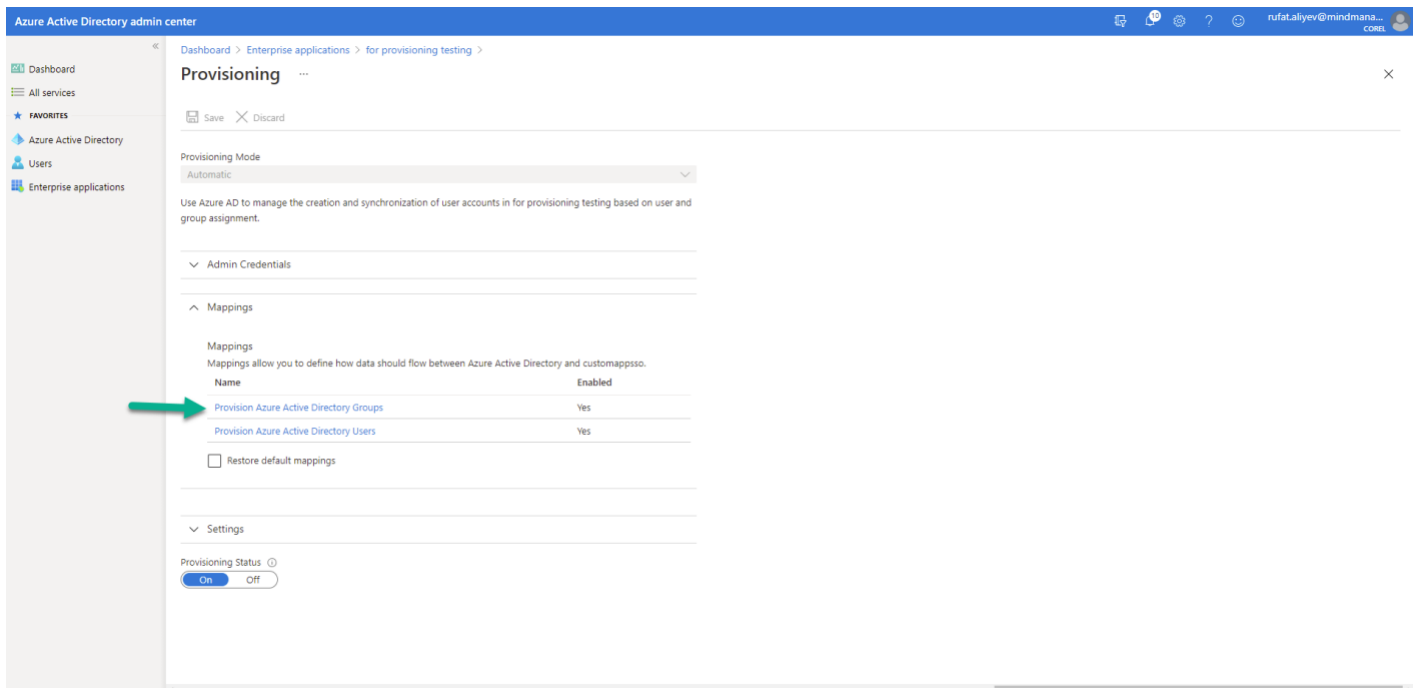
## Click **Save**



## Expand **Mapping**



Click **Provision Azure Active Directory Groups**



Add New Mappings (if not already added):

**“displayName”** with the attribute **“displayName”**

**“objectId”** with the attribute **“externalId”**

**“members”** with the attribute **“members”**

#### Attribute Mappings

Attribute mappings define how attributes are synchronized between Azure Active Directory and customappsso

Azure Active Directory Attribute	customappsso Attribute	Matching precedence	Remove
displayName	displayName	1	Delete
objectid	externalid		Delete
members	members		Delete

[Add New Mapping](#)

☐ Show advanced options

Click **Save**

**Return** to the Provisioning Edit page

Click **Provision Azure Active Directory Users**

Azure Active Directory admin center

Dashboard > Enterprise applications > for provisioning testing >

### Provisioning

Save Discard

Provisioning Mode: Automatic

Use Azure AD to manage the creation and synchronization of user accounts in for provisioning testing based on user and group assignment.

Admin Credentials

Mappings

Mappings allow you to define how data should flow between Azure Active Directory and customappsso.

Name	Enabled
<a href="#">Provision Azure Active Directory Groups</a>	Yes
<a href="#">Provision Azure Active Directory Users</a>	Yes

☐ Restore default mappings

Settings

Provisioning Status: On Off

Add **New Mapping** (if not already added):

**“mail”** with the attribute **“userName”**

**“Switch”** with the attribute **“Active”**

**“displayName”** with the attribute **“displayName”**

**“objectId”** with the attribute **“externalId”**

Azure Active Directory Attribute		customappsso Attribute	Matching precedence	Remove
mail		userName	1	Delete
Switch([IsSoftDeleted], "False", "True", "True", "False")		active		Delete
displayName		displayName		Delete
objectid		externalid		Delete

[Add New Mapping](#)

☐ Show advanced options

Click **Save**

**Return to the Provisioning Edit page**

Azure Active Directory admin center

Dashboard > Enterprise applications > for provisioning testing >

## Provisioning

Save Discard

Provisioning Mode: Automatic

Use Azure AD to manage the creation and synchronization of user accounts in for provisioning testing based on user and group assignment.

Admin Credentials

Mappings

Mappings allow you to define how data should flow between Azure Active Directory and customappsso.

Name	Enabled
<a href="#">Provision Azure Active Directory Groups</a>	Yes
<a href="#">Provision Azure Active Directory Users</a>	Yes

☐ Restore default mappings

Settings

Provisioning Status: On Off

**Expand Settings**

Azure Active Directory admin center

Dashboard > Enterprise applications > for provisioning testing >

## Provisioning

Save Discard

Provisioning Mode: Automatic

Use Azure AD to manage the creation and synchronization of user accounts in for provisioning testing based on user and group assignment.

Admin Credentials

Mappings

Mappings allow you to define how data should flow between Azure Active Directory and customappsso.

Name	Enabled
<a href="#">Provision Azure Active Directory Groups</a>	Yes
<a href="#">Provision Azure Active Directory Users</a>	Yes

☐ Restore default mappings

Settings

Notification Email:

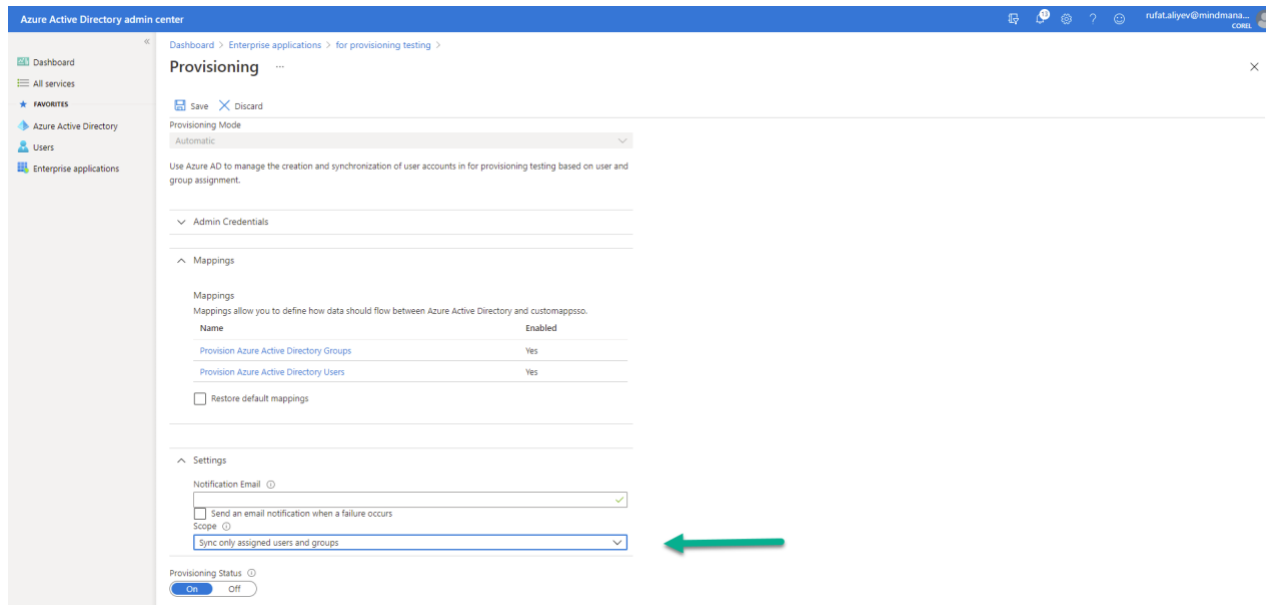
☐ Send an email notification when a failure occurs

Scope:

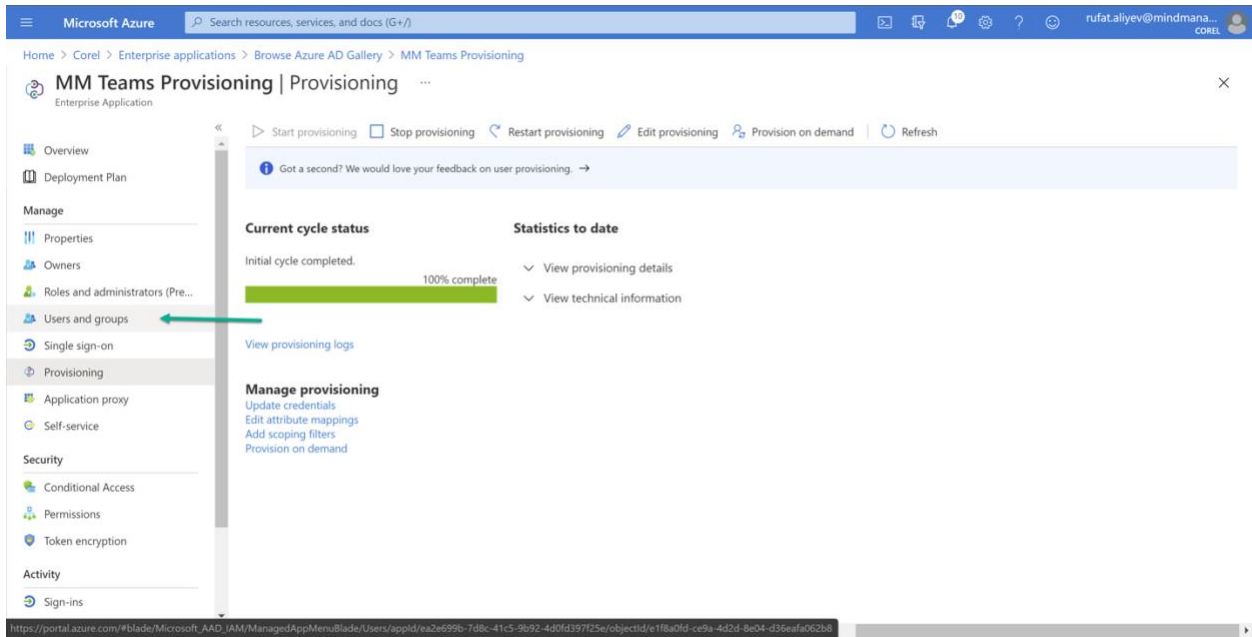
Sync only assigned users and groups:

Provisioning Status: On Off

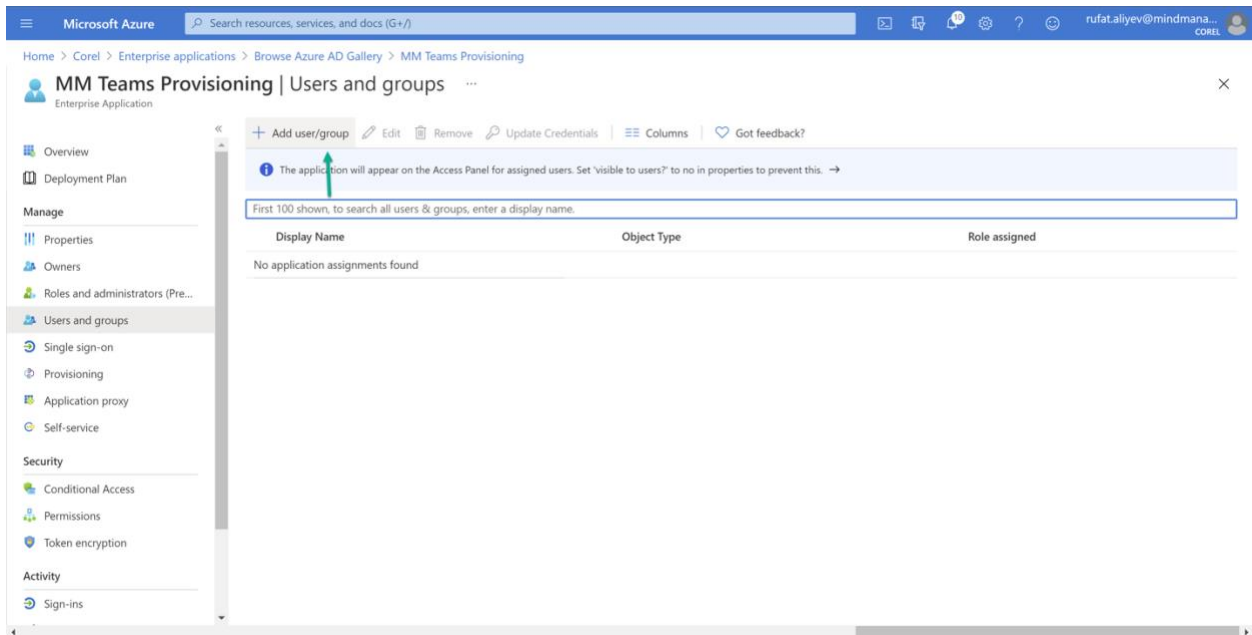
Select **“Sync only assigned users and groups”** from the Scope dropdown menu.



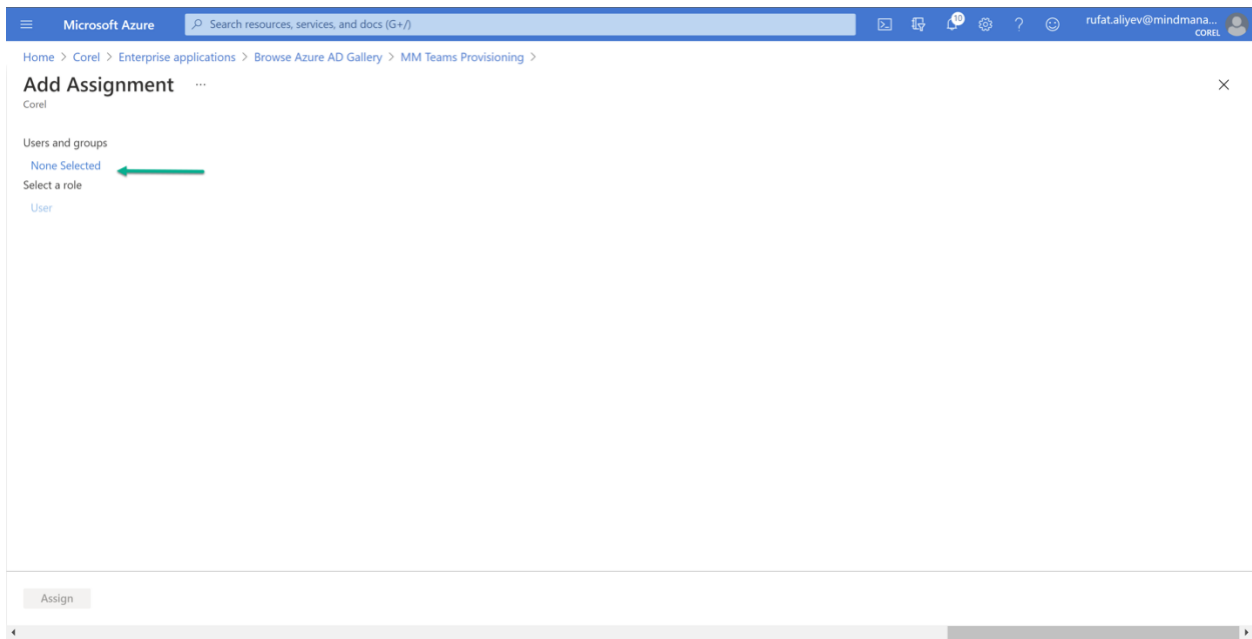
Click **Users and Groups** in the Left Navigation menu



## Click Add Users/Groups



On the Add Assignment screen, click **None Selected**.



Click the groups you wish to sync with the MindManager licensing system in the **Users and Groups** dialog.  
Click **Select** at the bottom of the dialog.



# Users and groups



 tes 



Test User  
TestUser@mindmanagercloudqa.com



Test MS Azure Group  
testmsazuregroup@mindmanager.onmicrosoft.com  
Selected



Test provisioning Group  
TestprovisioningGroup@mindmanager.onmicrosoft.com

## Selected items

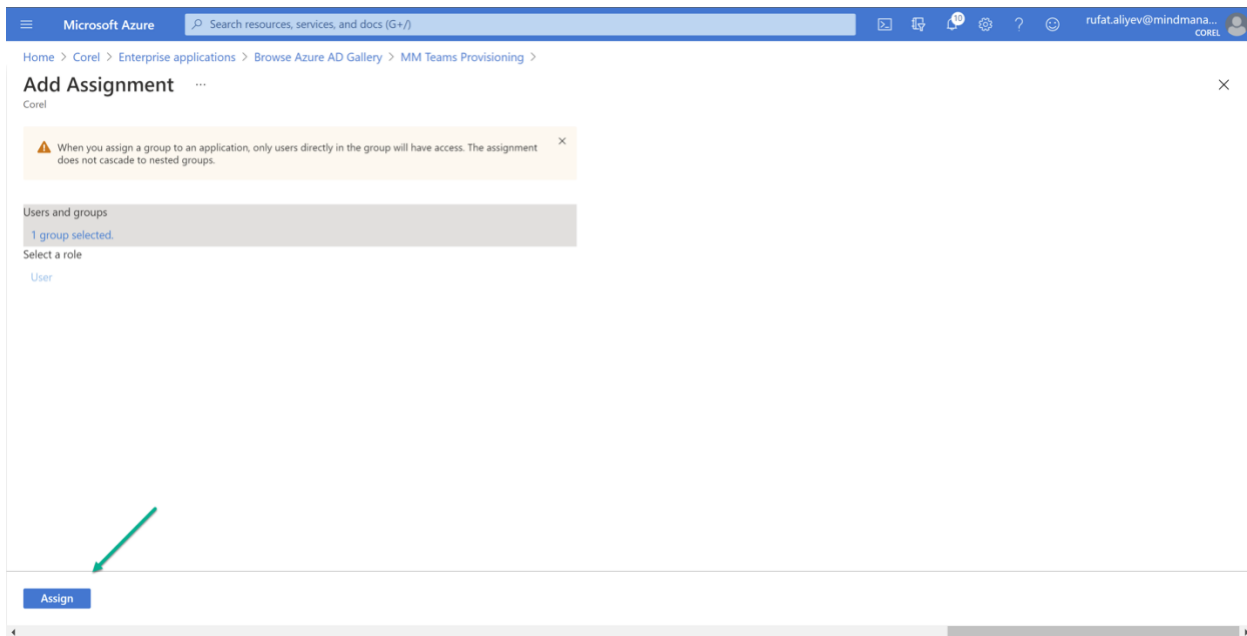


Test MS Azure Group  
testmsazuregroup@mindmanager.onmicrosoft.com

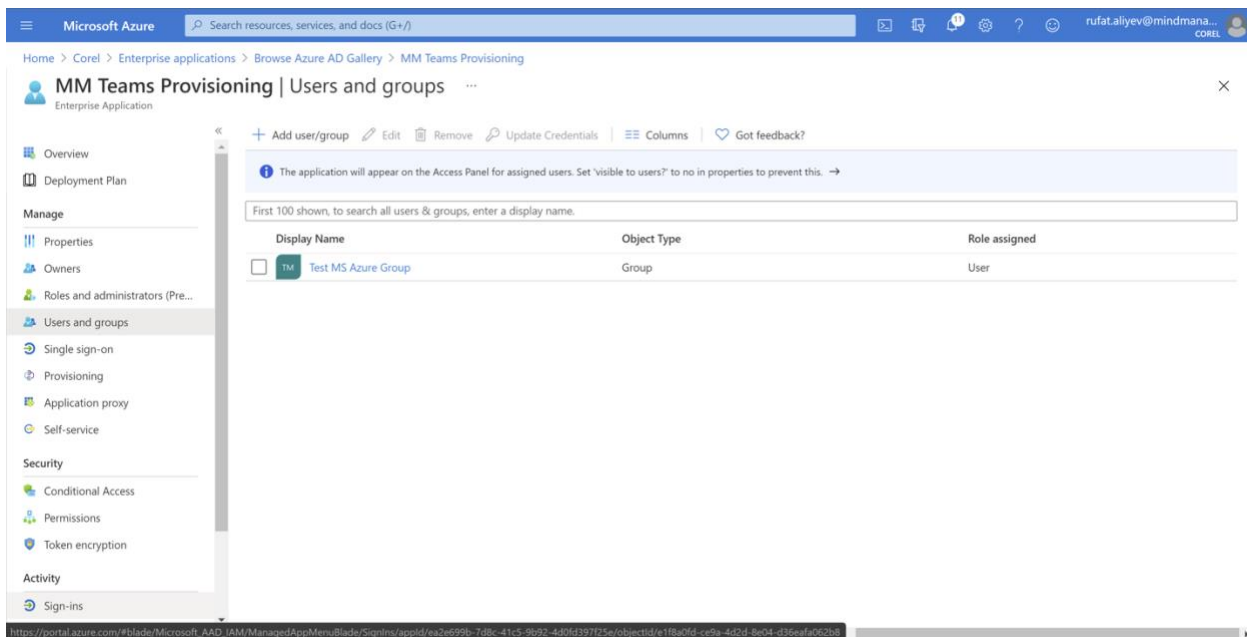
Remove

Select

Click **Assign**



You should see the selected group(s) listed.



Group synchronization from Azure to MindManager should now begin.

Return to the MindManager license Administration portal and click **Continue** in the **Automatic Provisioning Setup** dialog to check groups have begun to be synchronized from Azure.

If one or more groups have been synced you will continue to the **Group Select** dialog.

### Automatic Provisioning - Group Select

Please select an Azure user group to complete the automatic provisioning process.

Select Group

*Group synchronization from Azure can be delayed, if your desired group is not on the list, please try again later.*

Submit

**Note:** Group synchronization from Azure can be significantly delayed, if the Group select screen is not loading OR you don't see the desired group in the drop-down menu please wait and try again later. If you still don't see the group after 72 hours please contact MindManager technical support.

Click the **drop down menu** to select a group you want to have licenses automatically provisioned for then click **Submit**.

If you see the selected Azure groups listed on the license detail admin page, your automatic license provisioning setup is **complete!**

Licenses will be automatically assigned and removed to members of the listed groups.

MindManager

Sign Out  
(sio@corel.com)

[Back](#) [B](#) / [Admin Home](#) / MindManager Perpetual

Version	License Key	Expires	Seats Used / Total
21 / 13	88E45GKZQME145A99	N/A	29/50

[Add User\(s\)](#) [Deploy](#) [Upgrade](#)

→ Azure Group

Azure Group	Seats Used	Status
Engineering	20	Active <div>▼</div>
Marketing	7	Active <div>▼</div>

User	Name	User Status	Last Sign In
deborahcole@t.com	Deborah Cole	Active <div>▼</div>	04/22/2020
deborahjohns@t.com	Debbie J	Active <div>▼</div>	04/11/2020

Rows per page: 20 

▼

 Page 1 of 100 

←

→

## **Additional Notes**

Changes made in the Microsoft Azure admin portal that were previously synced to the MindManager system may take up to **72 hours** to take effect. Examples include disabling automatic provisioning, deleting or removing the custom application, removing groups, changing settings, etc.

If you need to restart the process with a new secret key please contact technical support to request your Automatic provisioning setup be reset.