

Microsoft Entra ID – Archer SCIM Application Configuration

This document describes the steps required to configure automatic user provisioning and de-provisioning from Microsoft Entra ID (formerly called Azure AD) to Archer using SCIM.

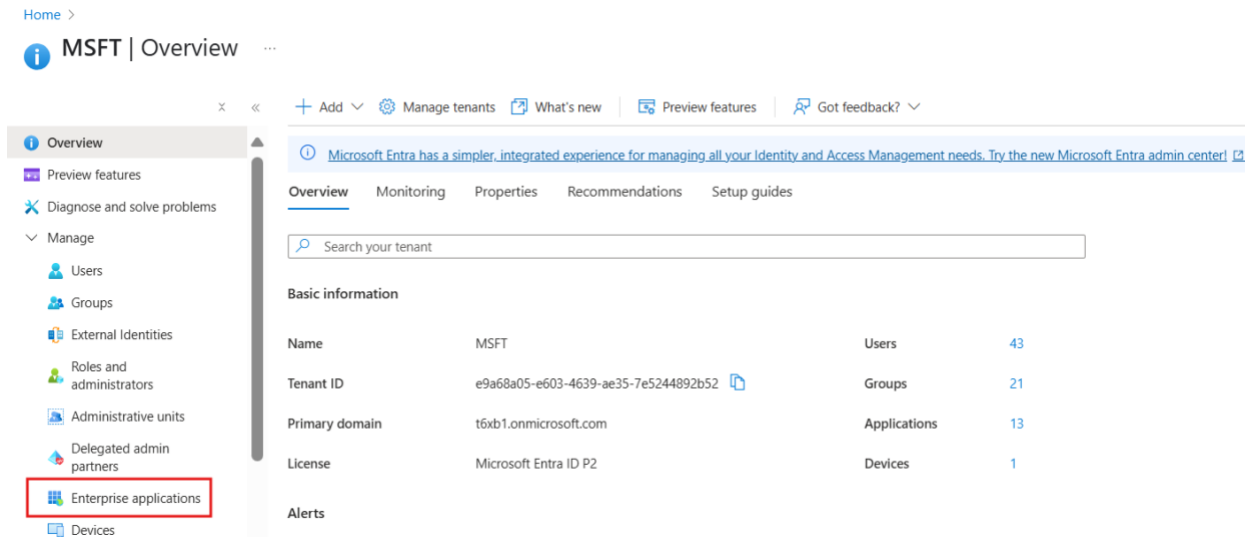
Prerequisites

Before beginning the configuration, ensure following requirements are met:

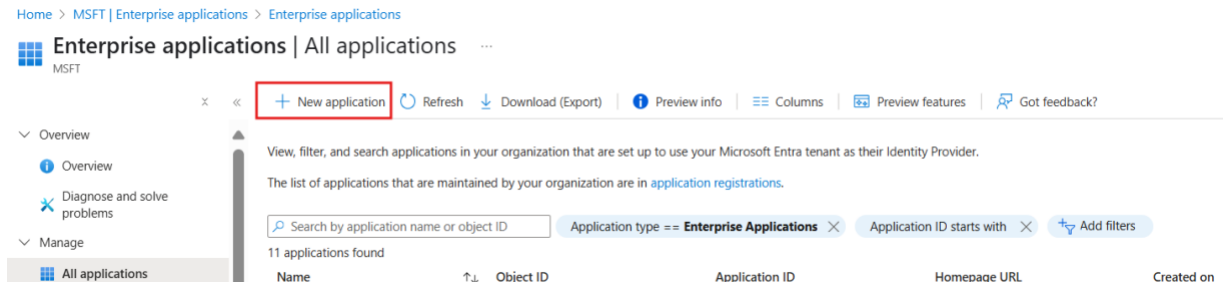
- Access to Microsoft Entra ID with Application Administrator permissions
- Access to Archer instance, including the Manage Users page
- SCIM Base URL and API Key (Secret Token) generated from Archer

Step 1: Create a Custom SCIM Enterprise Application in Microsoft Entra ID

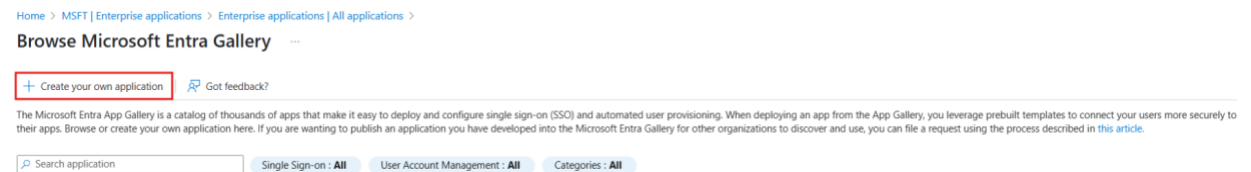
1. Sign in to the Azure Portal.
2. Navigate to **Entra ID** → **Enterprise Applications**.



3. Select **+ New Application**.



4. Choose **Create your own application**.



5. Enter a name (for example, Archer SCIM Provisioning).

6. Select **Create** to complete the application setup.

Step 2: Enable Provisioning and Configure Credentials

1. Open newly created application.

Home > MSFT | Enterprise applications > Enterprise applications | All applications > Browse Microsoft Entra Gallery >

SCIM - Test | Overview ...
Enterprise Application

Overview

- Deployment Plan
- Diagnose and solve problems
- Manage
 - Properties
 - Owners
 - Roles and administrators
 - Users and groups
 - Single sign-on
 - Provisioning**
 - Application proxy
 - Self-service

Properties

Name: SCIM - Test

Application ID: fe008f29-c087-4d1a-8523-8...

Object ID: 400f5693-ff16-487d-a3cc-39...

Getting Started

- 1. Assign users and groups**
Provide specific users and groups access to the applications
[Assign users and groups](#)
- 2. Set up single sign on**
Enable users to sign into their application using their Microsoft Entra credentials
[Get started](#)
- 3. Provision User Accounts**
Automatically create and delete user accounts in the application
[Get started](#)

2. Navigate to **Provisioning** and select **Get Started**.

Home > MSFT | Enterprise applications > Enterprise applications | All applications > Browse Microsoft Entra Gallery >

SCIM - Test | Overview (Preview) ...

+ New configuration > Start provisioning || Pause provisioning ⏸ Restart provisioning ↻ Refresh 🔄 Got feedback?

Overview (Preview)

- Overview
- Provision on demand
- Manage
 - Connectivity (Preview)
 - Provisioning**
 - Users and groups
 - Attribute mapping (Preview)
 - Expression builder
- Monitor
 - Provisioning logs
 - Audit logs

This is a new version of the provisioning user experience. This will replace the old experience in May 2025. No customer action is required. You can provide us feedback on the new user experience using the "Got feedback" button.

Get started

Get started with application provisioning
Configure, test, and deploy your provisioning setup using the steps below.


Create configuration
Provide the credentials to connect to your application and test connectivity.


[Connect your application](#)


3. Set **Provisioning Mode** to **Automatic**.
4. Under **Admin Credentials**, provide:
 - **Tenant URL** (SCIM Base URL from Archer)
 - **Secret Token** (API Key from Archer)

New provisioning configuration ...

Microsoft Entra ID

 Got feedback?

 This is a new version of the provisioning user experience. You can provide us feedback and suggestions on the new user experience using the "Got feedback" button. [Click here to switch to the legacy experience.](#)

Create a provisioning configuration by completing the setup below. You can edit attribute mappings, scoping rules, and other settings later in the setup. [Learn more](#) 

Admin credentials

Create automatic provisioning configuration for: 'SCIM - Test'. A successful test connection may be required to proceed.

Select authentication method:

Bearer authentication 

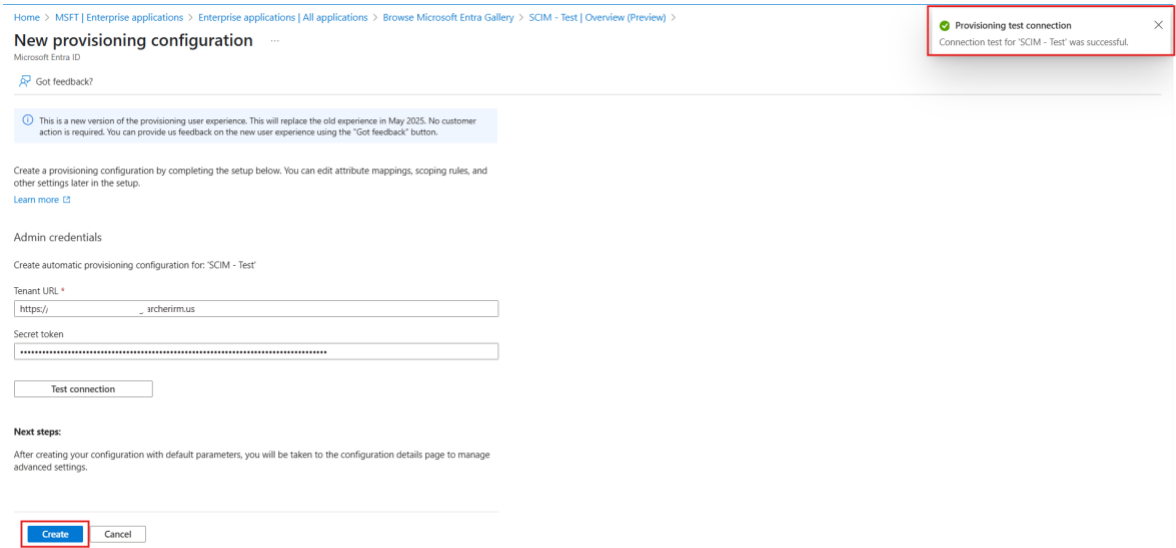
Tenant URL  *

Secret token

Next steps:

After creating your configuration with default parameters, you will be taken to the configuration details page to manage advanced settings.

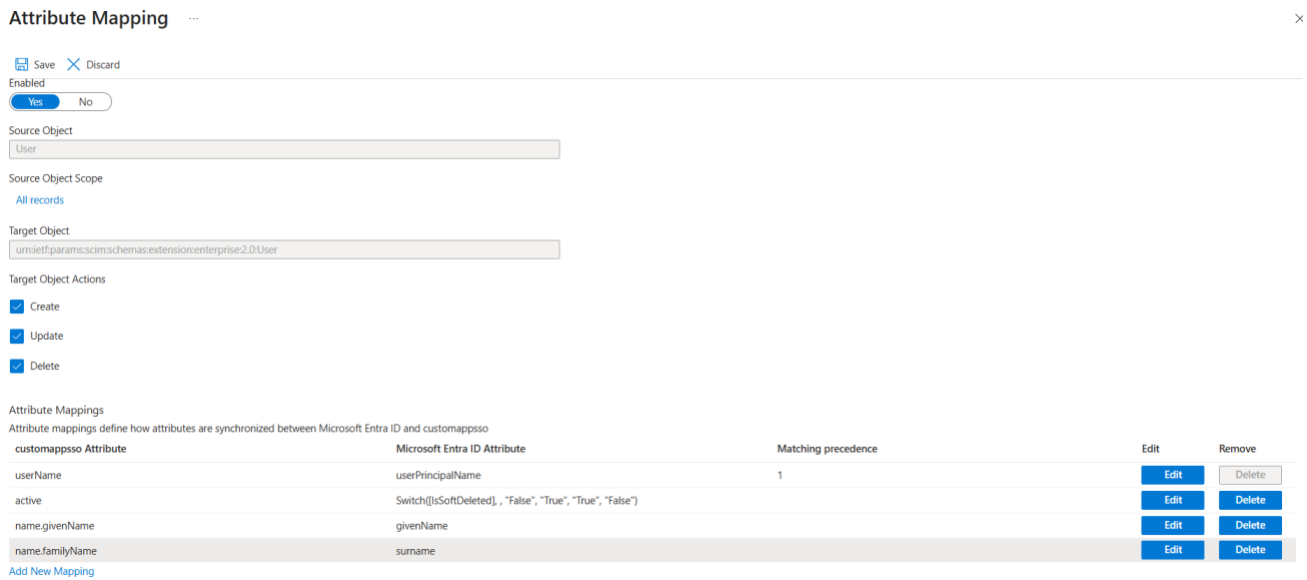
5. Select **Test Connection**.
6. If successful, select **Create**.



Step 3: Configure User Attribute Mapping

It is recommended to begin with minimum required attributes and expand the mapping after validation.

Minimal Parameters required:



Email and Phone Number Behaviour

- Work email (emails[type eq "work"].value) maps to the Business subtype in Archer and is set as the default email address.
- Work phone (phoneNumbers[type eq "work"].value) maps to the Business subtype and is sent with primary = true.

For existing users in Archer:

- If email or phone subtype is set to Other and marked as default, it will continue functioning as the default contact after SCIM synchronization.

Only supported Archer contact subtypes should be used. Unsupported subtypes may result in provisioning errors. From Archer side, default email sub type should be either Business/ Others

Important Note for New Users

When users are created through SCIM, Microsoft Entra ID sets the default (primary) email only at the time of initial provisioning.

If a user is created through SCIM without an email address:

- Any email added later through synchronization will not automatically be marked as default by SCIM.

To ensure, correct default contact behaviour, email attribute must be populated in the Entra user profile before initial provisioning.

Mapping Archer Custom Attributes (Example: securityId)

7. Navigate to **Provisioning** → **Attribute Mappings** → **Provision Microsoft Entra ID Users**.

1. Select **Show advanced options**.

Home > MSFT | Enterprise applications > Enterprise applications | All applications > SCIM - Test | Overview (Preview) > New provisioning configuration > SCIM - Test | Attribute mapping (Preview) >

Attribute Mapping

Save Discard

Source Object Scope
All records

Target Object
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User

Target Object Actions
 Create
 Update
 Delete

Attribute Mappings
Attribute mappings define how attributes are synchronized between Microsoft Entra ID and customappsso

customappsso Attribute	Microsoft Entra ID Attribute	Matching precedence	Edit	Remove
userName	userPrincipalName	1	Edit	Delete
active	Switch([isSoftDeleted], "false", "true", "True", "False")		Edit	Delete
name.givenName	givenName		Edit	Delete
name.familyName	surname		Edit	Delete
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:organization	companyName		Edit	Delete

Add New Mapping

Show advanced options

Supported Attributes
View and edit the list of attributes that appear in the source and target attribute lists for this application.
The attribute list for Microsoft Entra ID is up to date with all supported attributes. [Request additional attributes you would like to see supported here.](#)

[Edit attribute list for customappsso](#)

[Use the expression builder](#)

2. Select **Edit attribute list for customappsso**.

8. Add the required custom attribute (for example, Security Parameter denoted as `securityId`).

Edit Attribute List ...

Save Discard

roles[primary eq "True"].display	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
roles[primary eq "True"].type	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
roles[primary eq "True"].value	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:employeeNumber	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:costCenter	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:organization	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:division	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:department	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:manager	Reference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:securityId	Integer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:forcePasswordChange	Boolean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:enableApproveContentByEmail	Boolean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:additionalNote	String	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:defaultHomeWorkspaceld	Integer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:defaultHomeDashboardld	Integer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Save and refresh the mapping page.
4. Select **Add New Mapping**

[Home](#) > [MSFT | Enterprise applications](#) > [Enterprise applications | All applications](#) > [SCIM - Test | Overview \(Preview\)](#) > [New provisioning configuration](#) > [SCIM - Test | Attribute mapping \(Preview\)](#) >

Attribute Mapping ...

Save Discard

Source Object Scope

[All records](#)

Target Object

Target Object Actions

- Create
- Update
- Delete

Attribute Mappings

Attribute mappings define how attributes are synchronized between Microsoft Entra ID and customappsso

customappsso Attribute	Microsoft Entra ID Attribute	Matching precedence	Edit	Remove
userName	userPrincipalName	1	Edit	Delete
active	Switch@:isSoftDeleted@, "False", "True", "True", "False"		Edit	Delete
name.givenName	givenName		Edit	Delete
name.familyName	surname		Edit	Delete
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:organization	companyName		Edit	Delete

[Add New Mapping](#)

Show advanced options

5. Configure the attribute mapping. (for example, map `securityId` to a constant value such as `1`, depending on the Archer configuration).

Edit Attribute

A mapping lets you define how the attributes in one class of Microsoft Entra object (e.g. Users) should flow to and from this application.

Mapping type

Constant Value

Target attribute

Match objects using this attribute

Matching precedence

Apply this mapping

6. Save the Mapping

Ensure custom attribute is added to the attribute list before creating the mapping.

Example attribute mapping covering the full list of supported parameters:

Attribute Mapping

Save Discard

Update
 Delete

Attribute Mappings
Attribute mappings define how attributes are synchronized between Microsoft Entra ID and customappsso

customappsso Attribute	Microsoft Entra ID Attribute	Matching precedence	Edit	Remove
userName	userPrincipalName	1	Edit	Delete
active	Switch([isSoftDeleted], "false", "true", "true", "false")		Edit	Delete
title	jobTitle		Edit	Delete
email[type eq "work"].value	mail		Edit	Delete
preferredLanguage	10		Edit	Delete
name.givenName	givenName		Edit	Delete
name.familyName	surname		Edit	Delete
phoneNumber[type eq "work"].value	telephoneNumber		Edit	Delete
phoneNumber[type eq "mobile"].value	mobile		Edit	Delete
locale	ko-KR		Edit	Delete
timezone	Central Standard Time		Edit	Delete
urn:ietf:params:scim:schemas:extension:enterprise:2.0:User:organization	companyName		Edit	Delete
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:securityid	7		Edit	Delete
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:forcePasswordChange	false		Edit	Delete
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:enableApproveContentByEmail	false		Edit	Delete
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:additionalNote	User lifecycle is managed through SCIM		Edit	Delete
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:defaultHomeWorkpaceid	57		Edit	Delete
urn:ietf:params:scim:schemas:extension:Archer:2.0:User:defaultHomeDashboardid	13		Edit	Delete

[Add New Mapping](#)

Step 4: Group Mapping (Manual Group Creation Required)

Archer does not support automatic group creation via SCIM.

Recommended Configuration:

1. In Group Attribute Mappings, uncheck Create under Target Object Actions.
2. Manually create corresponding groups in Archer with names identical to the Entra ID groups.
3. Assign appropriate Access Roles to these groups in Archer.
4. SCIM will automatically manage group membership updates

Note: - Remove externalId from group mapping to avoid provisioning issues

... > Enterprise applications | All applications > Browse Microsoft Entra Gallery > SCIM - Test | Overview (Preview) > New provisioning configuration > SCIM - Test | Attribute mapping (Preview) >

Attribute Mapping

Save Discard

Enabled: Yes No

Source Object: Group

Source Object Scope: All records

Target Object: urn:ietf:params:scim:schemas:core:2.0:Group

Target Object Actions:
 Create
 Update
 Delete

Attribute Mappings
Attribute mappings define how attributes are synchronized between Microsoft Entra ID and customappsso

customappsso Attribute	Microsoft Entra ID Attribute	Matching precedence	Edit	Remove
displayName	displayName	1	Edit	Delete
members	members		Edit	Delete

Add New Mapping

Show advanced options

Step 5: Test the Configuration

1. Assign SCIM application to a test user and group.
2. Navigate to Provisioning → On-Demand Provisioning.
3. Initiate synchronization.

Validate the following:

- User is created successfully in Archer.
- Group memberships are reflected correctly in Archer.

Home > MSFT | Enterprise applications > Enterprise applications | All applications > SCIM - Test

SCIM - Test | Users and groups

+ Add user/group Edit assignment Remove assignment Update credential Refresh Manage view Got feedback?

The application will appear for assigned users within My Apps. Set 'visible to users?' to no in properties to prevent this.

Assign users and groups to app-roles for your application here. To create new app-roles for this application, use the [application registration](#)

First 200 shown, search all users & groups

Display name	Object type	Role assigned
No application assignments found		

Navigation menu:
Overview (Preview)
Overview
Provision on demand
Manage
Connectivity (Preview)
Provisioning
Users and groups
Attribute mapping (Preview)
Expression builder
Monitor
Provisioning logs
Audit logs
Insights
Troubleshoot
New support request

SCIM - Test | Provision on demand ...

Learn More | Got feedback?

- Overview (Preview)
- Overview
- Provision on demand**
- Manage
 - Connectivity (Preview)
 - Provisioning
 - Users and groups
 - Attribute mapping (Preview)
 - Expression builder
- Monitor
 - Provisioning logs
 - Audit logs
 - Insights
- Troubleshoot
 - New support request

Provision on-demand for a subset of users or groups before rolling it out broadly to your organization. When provisioning a group you can select 5 members at a time.

No user or group will be provisioned on-demand that would not have been provisioned through the regular provisioning cycles.

Selected user

Provision

Enterprise applications | A

Provision on demand

Learn More | Technic

User

Adele Vance
AdeleV@yngl0.onmicrosoft.com

- 1. Import user**
This step shows the user retrieved from the source and the properties of the user in the source.
Success | [View details](#)
- 2. Determine if user is in scope**
This step shows the scoping conditions and whether the user passes or fails.
Success | [View details](#)
- 3. Match user between source and target**
This step shows whether the user is a match based on the properties of the user in the source and target.
Success | [View details](#)
- 4. Perform action**
This step shows the action that is performed, such as creating a user or updating a user.
[Retry](#) [Provision on demand](#)

Perform action

Modified attributes (successful) | Data flow

User 'AdeleV@yngl0.onmicrosoft.com' was created in customappsso

Target attribute name	Source attribute value	Expression	Original target attribute value	Modified target attribute value
active	Switch("False", "False", "True", ...)	Switch([IsSoftDeleted], "False", ...)		True
userName	AdeleV@yngl0.onmicrosoft.co...	[userPrincipalName]		AdeleV@yngl0.onmicrosoft.co...
name.givenName	Adele	[givenName]		Adele
name.familyName	V	[surname]		V

Automatic Provisioning Behaviour

Once automatic provisioning is enabled, Microsoft Entra ID will initiate synchronization at regular intervals. No manual action is required after the configuration is completed and validated

Home > MSFT | Enterprise applications > Enterprise applications | All applications > SCIM - Test

SCIM - Test | Overview

Start provisioning Stop provisioning [Restart provisioning](#) [Edit provisioning](#) [Provision on demand](#) [Refresh](#) [Got feedback?](#)

- Overview (Preview)
- Overview**
- Provision on demand
- Manage
 - Connectivity (Preview)
 - Provisioning
 - Users and groups
 - Attribute mapping (Preview)
 - Expression builder
- Monitor
 - Provisioning logs
 - Audit logs
 - Insights
- Troubleshoot
 - New support request

Current cycle status

Incremental cycle stopped. 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](#)