

Setting up SCIM with Azure Active Directory

Abstract

Informatica Intelligent Cloud ServicesSM user provisioning through SCIM 2.0 is available through Azure Active Directory (AD). This article provides instructions for setting up SCIM-based user and group sync for Azure AD.

Supported Versions

- Informatica Intelligent Cloud Services June 2023

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Overview

Informatica Intelligent Cloud ServicesSM user provisioning through SCIM 2.0 is available through Azure Active Directory (AD). If you are an Informatica Intelligent Cloud Services organization administrator, you can set up SCIM-based user and group sync for Azure AD. To do this, you must create an Azure provisioning application to sync your Azure AD users and groups with Informatica Intelligent Cloud Services.

Note: If you do not use SCIM, follow the setup instructions in this [Knowledge Base article](#) instead.

To set up SCIM with Azure AD, complete the following tasks:

1. Create a provisioning app in Azure AD.
2. Set up SAML and enable SCIM in Informatica Intelligent Cloud Services.
3. Integrate the provisioning app with Informatica Intelligent Cloud Services.
4. Provision Azure AD users.
5. Provision Azure AD groups.
6. Start the provisioning cycle in Azure AD.
7. Map SAML roles and groups in Informatica Intelligent Cloud Services.
8. Verify provisioning in Informatica Intelligent Cloud Services.

Step 1. Create a provisioning app in Azure Active Directory

Create an app in Azure AD to provision users and groups in Informatica Intelligent Cloud Services.

1. Sign into Azure AD as an administrator and select **Azure services > Enterprise Applications**.
2. Select **New application > Create your own application**.
3. Enter a name for the app, select **Integrate any other application you don't find in the gallery**, and click **Create**.
4. In the left panel of the app, select **Single Sign On** and select **SAML**.
5. On the **Set up Single Sign-On with SAML** page, configure the following settings, and then click **Save**:

Set up Single Sign-On with SAML

Read the [configuration guide](#) for help integrating Test.

1

Basic SAML Configuration

Edit

Identifier (Entity ID)	Required
Reply URL (Assertion Consumer Service URL)	Required
Sign on URL	Optional
Relay State	Optional
Logout Url	Optional

Setting	Value
Identifier (Entity ID)	https://<organization ID>.<hostname> For example, https://12a3b4cdef5gh67ijklm8n.dm-us.informaticacloud.com/
Reply URL (Assertion Consumer Service URL)	<IICS base URL>/identity-service/acs/<organization ID> For example, https://dm-us.informaticacloud.com/identity-service/acs/12a3b4cdef5gh67ijklm8n
Sign on URL	<IICS base URL>/ma/sso/<organization ID> For example, https://dm-us.informaticacloud.com/ma/sso/12a3b4cdef5gh67ijklm8n

You do not need to configure the **Relay State** or **Logout Url** here.

6. On the **User Attributes & Claims** page, configure the attributes that you want to sync through the SAML token such as givenname, surname, and emailaddress.

2

User Attributes & Claims

Edit

givenname	user.givenname
surname	user.surname
emailaddress	user.mail
name	user.userprincipalname
Unique User Identifier	user.userprincipalname
Group	user.groups

7. If you want to sync groups, create a group claim which sends the group external ID in the SAML response.

Azure Active Directory admin center

Dashboard > Enterprise applications > SCIMApp-SubOrg > SAML-based Sign-on >

User Attributes & Claims

+ Add new claim + Add a group claim Columns

Claim name	Value
Unique User Identifier (Name ID)	user.userprincipalname (named-for-...)

Additional claims

Claim name	Value
http://schemas.microsoft.com/ws/2008/05/identity/claims/groups	user.groups [All]
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress	user.mail
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname	user.givenname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name	user.userprincipalname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname	user.surname

Group Claims

Manage the group claims used by Azure AD to populate SAML tokens issued to your app

Which groups associated with the user should be returned in the claim?

☐ None

☒ All groups

☐ Security groups

☐ Directory roles

☐ Groups assigned to the application

Source attribute *

sAMAccountName

This source attribute only works for groups synchronized from an on-premises Active Directory using AAD Connect Sync 1.2.70.0 or above. Learn More

Advanced options

☐ Customize the name of the group claim

Name (required)

Namespace (optional)

☐ Emit groups as role claims

Save

Note: App roles are sent in the SAML token by default, so you don't have to create a claim for roles.

8. On the **SAML Signing Certificate** page, download the service provider metadata file as an XML file.

3 SAML Signing Certificate

Edit

Status	Active
Thumbprint	8AEA2BC4A88F5B77F6055DD92823EF71E8DD4FAC
Expiration	3/3/2024, 3:29:48 PM
Notification Email	svikyath@informatica.com
App Federation Metadata Url	https://login.microsoftonline.com/5e92d1f9-4...
Certificate (Base64)	Download
Certificate (Raw)	Download
Federation Metadata XML	Download

You will use this file to set up SAML in Informatica Intelligent Cloud Services.

Step 2. Set up SAML and enable SCIM in Informatica Intelligent Cloud Services

Set up SAML by uploading the metadata XML file that you generated in Azure AD. Then enable SCIM 2.0 and generate the token for the SCIM provisioning app.

1. Log in to Informatica Intelligent Cloud Services as a user with the Admin role.

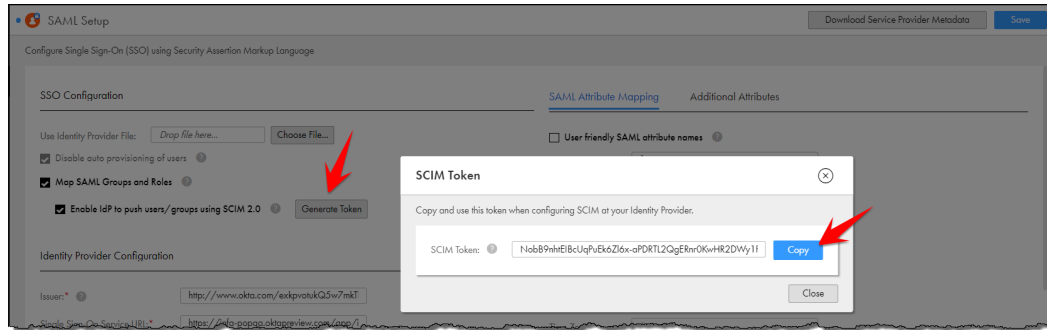
Note: If you are setting up SAML for a sub-organization, log in to the sub-organization as a native user with the Admin role. Do not log in to the parent organization and switch to the sub-organization from the parent organization.

2. In Administrator, open the **SAML Setup** page.

3. In the SSO Configuration area, click **Choose File** and upload the metadata XML file to define the identity provider properties.
4. Enable the **Map SAML Groups and Roles** option, and then enable the **Enable IdP to push users/groups using SCIM 2.0** option.

Note: When you enable the **Enable IdP to push users/groups using SCIM 2.0** option, auto-provisioning of users is disabled automatically because users are provisioned through the SCIM client.

5. Click **Generate Token** and copy the token to the clipboard.



You will need the SCIM token when you enable SCIM in the provisioning app. The SCIM token is valid for six months from the time of generation.

6. Click **Save** to save the configuration.

You will map SAML roles and groups after you create the app roles and groups in Azure AD.

Step 3. Integrate the provisioning app with Informatica Intelligent Cloud Services

To integrate the provisioning app with Informatica Intelligent Cloud Services, configure the provisioning mode, map the required attributes, and create the app roles.

1. In Azure AD, open the provisioning app and select **Manage > Provisioning**.

The screenshot shows the 'Provisioning' configuration page for an application named 'SCIMApp' in the Azure AD portal. The breadcrumb trail is 'Dashboard > Enterprise applications > SCIMApp > Provisioning'. At the top, there are 'Save' and 'Discard' buttons. The 'Provisioning Mode' is set to 'Automatic' in a dropdown menu. Below this, a note states: 'Use Azure AD to manage the creation and synchronization of user accounts in SCIMApp based on user and group assignment.' The 'Admin Credentials' section is expanded, showing 'Admin Credentials' and a note: 'Azure AD needs the following information to connect to SCIMApp's API and synchronize user data.' The 'Tenant URL' field contains 'https://api.contoso.com/scim-service/v2' and has a checkmark icon. The 'Secret Token' field is masked with dots. A 'Test Connection' button is located below the secret token field. The 'Mappings' and 'Settings' sections are collapsed. At the bottom, the 'Provisioning Status' is shown as 'Off' with a toggle switch.

Dashboard > Enterprise applications > SCIMApp > Provisioning

Save Discard

Provisioning Mode

Automatic

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

Admin Credentials

Admin Credentials

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

Tenant URL * ⓘ

https://api.contoso.com/scim-service/v2 ✓

Secret Token

.....

Test Connection

Mappings

Settings

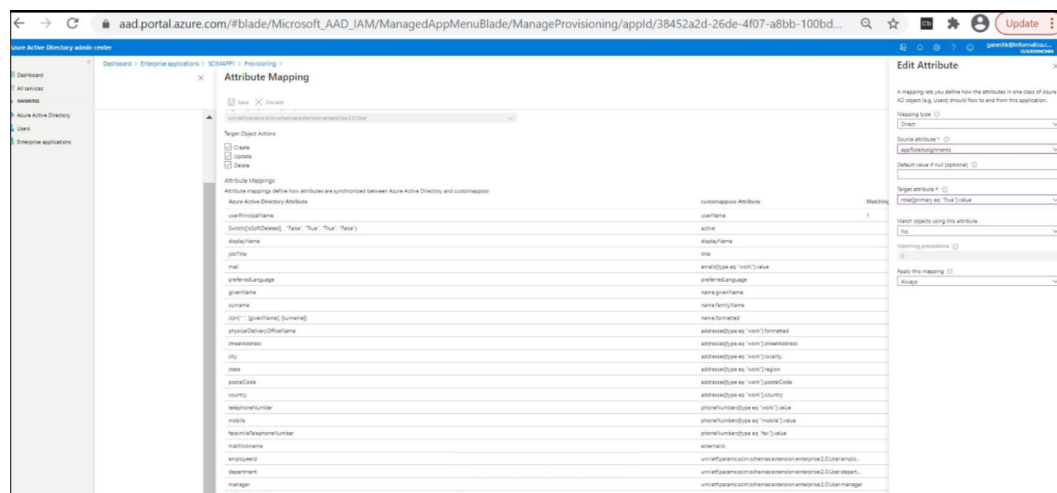
Provisioning Status ⓘ

On Off

2. Set the **Provisioning Mode** to **Automatic**.
3. In the Admin Credentials area, enter the tenant URL, for example, `https://dm-us.informaticacloud.com/scim-service`, and paste the SCIM token that you generated when you enabled SCIM in Informatica Intelligent Cloud Services.
4. Click **Test Connection** and verify that the connection is successful.
5. In the Mappings area, click **Azure Active Directory Users** and map only the following attributes:
 - externalId
 - username
 - displayName
 - title
 - preferredLanguage
 - locale

- timezone
- active
- addresses[type eq "work"].streetAddress
- addresses[type eq "work"].locality
- addresses[type eq "work"].region
- addresses[type eq "work"].postalCode
- addresses[type eq "work"].country
- roles
- employeeNumber
- organization
- department
- emails[type eq "work"]
- givenName
- familyName
- phoneNumbers[type eq "work"]

Note: The roles attribute must support multiple values.



The following images show some constant attributes:

Dashboard

All services

FAVORITES

Azure Active Directory

Users

Enterprise applications

Dashboard > Enterprise applications > SCIMApp-SubOrg > Provisioning >

Attribute Mapping

Save Discard

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

Azure Active Directory Attribute	customappso Attribute	Matching precedence
userPrincipalName	userName	1
Switch([isSoftDeleted], "False", "True", "False")	active	
displayName	displayName	
jobTitle	title	
mail	email[type eq "work"].value	
English	preferredLanguage	
givenName	name.givenName	
surname	name.familyName	
streetAddress	addresses[type eq "work"].streetAddress	
city	addresses[type eq "work"].locality	
state	addresses[type eq "work"].region	
postalCode	addresses[type eq "work"].postalCode	
country	addresses[type eq "work"].country	
telephoneNumber	phoneNumbers[type eq "work"].value	
objectId	externalId	
en-US	locale	
IST	timezone	
employeeid	urn:ietf:params:scim:schemas:extension:ent...	
companyName	urn:ietf:params:scim:schemas:extension:ent...	
department	urn:ietf:params:scim:schemas:extension:ent...	
AppRoleAssignmentsComplex([appRoleAssignments])	roles	

Add New Mapping

Show advanced options

Edit Attribute

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

Mapping type

Constant

Constant Value *

en-US

Target attribute *

locale

Match objects using this attribute

No

Matching precedence

Apply this mapping

Always

OK

Dashboard

All services

FAVORITES

Azure Active Directory

Users

Enterprise applications

Dashboard > Enterprise applications > SCIMApp-SubOrg > Provisioning >

Attribute Mapping

Save Discard

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

Azure Active Directory Attribute	customappso Attribute	Matching precedence
userPrincipalName	userName	1
Switch([isSoftDeleted], "False", "True", "False")	active	
displayName	displayName	
jobTitle	title	
mail	email[type eq "work"].value	
English	preferredLanguage	
givenName	name.givenName	
surname	name.familyName	
streetAddress	addresses[type eq "work"].streetAddress	
city	addresses[type eq "work"].locality	
state	addresses[type eq "work"].region	
postalCode	addresses[type eq "work"].postalCode	
country	addresses[type eq "work"].country	
telephoneNumber	phoneNumbers[type eq "work"].value	
objectId	externalId	
en-US	locale	
IST	timezone	
employeeid	urn:ietf:params:scim:schemas:extension:ent...	
companyName	urn:ietf:params:scim:schemas:extension:ent...	
department	urn:ietf:params:scim:schemas:extension:ent...	
AppRoleAssignmentsComplex([appRoleAssignments])	roles	

Add New Mapping

Show advanced options

Edit Attribute

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

Mapping type

Constant

Constant Value *

IST

Target attribute *

timezone

Match objects using this attribute

No

Matching precedence

Apply this mapping

Always

OK

Dashboard > Enterprise applications > SCIMApp-SubOrg > Provisioning > Attribute Mapping

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

Azure Active Directory Attribute	customappsso Attribute	Matching precedence
userPrincipalName	userName	1
Switch([isSoftDeleted], "False", "True", "False")	active	
displayName	displayName	
jobTitle	title	
mail	email[type eq "work"].value	
English	preferredLanguage	
givenName	name.givenName	
surname	name.familyName	
streetAddress	addresses[type eq "work"].streetAddress	
city	addresses[type eq "work"].locality	
state	addresses[type eq "work"].region	
postalCode	addresses[type eq "work"].postalCode	
country	addresses[type eq "work"].country	
telephoneNumber	phoneNumber[type eq "work"].value	
objectId	externalid	
en-US	locale	
IST	timezone	
employeeyield	urn:ietf:params:scim:schemas:extension:ent...	
companyName	urn:ietf:params:scim:schemas:extension:ent...	
department	urn:ietf:params:scim:schemas:extension:ent...	
AppRoleAssignmentsComplex([appRoleAssignments])	roles	

[Add New Mapping](#)

☐ Show advanced options

Edit Attribute

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

Mapping type: **Constant**

Constant Value: **English**

Target attribute: **preferredLanguage**

Match objects using this attribute: **No**

Matching precedence: **0**

Apply this mapping: **Always**

OK

- If you use role-based access control, add an expression for app roles to pass the roles to Informatica Intelligent Cloud Services.

Dashboard > Enterprise applications > SCIMApp-SubOrg > Provisioning > Attribute Mapping

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

Azure Active Directory Attribute	customappsso Attribute	Matching precedence
userPrincipalName	userName	1
Switch([isSoftDeleted], "False", "True", "False")	active	
displayName	displayName	
jobTitle	title	
mail	email[type eq "work"].value	
English	preferredLanguage	
givenName	name.givenName	
surname	name.familyName	
streetAddress	addresses[type eq "work"].streetAddress	
city	addresses[type eq "work"].locality	
state	addresses[type eq "work"].region	
postalCode	addresses[type eq "work"].postalCode	
country	addresses[type eq "work"].country	
telephoneNumber	phoneNumber[type eq "work"].value	
objectId	externalid	
en-US	locale	
IST	timezone	
employeeyield	urn:ietf:params:scim:schemas:extension:ent...	
companyName	urn:ietf:params:scim:schemas:extension:ent...	
department	urn:ietf:params:scim:schemas:extension:ent...	
AppRoleAssignmentsComplex([appRoleAssignments])	roles	

[Add New Mapping](#)

☐ Show advanced options

Edit Attribute

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

Mapping type: **Expression**

Expression: **AppRoleAssignmentsComplex([appRoleAssignments])**

The expression was correctly parsed.

Default value if null (optional):

Target attribute: **roles**

Match objects using this attribute: **No**

Matching precedence: **0**

Apply this mapping: **Always**

OK

- In the Settings area, set the scope to **Sync only assigned users and groups**.

Settings

☐ Send an email notification when a failure occurs

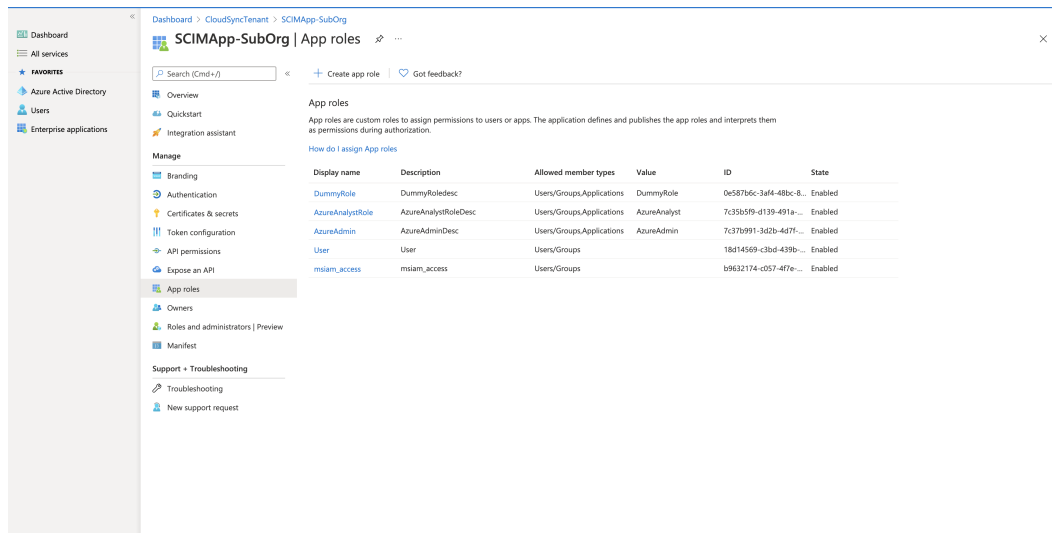
Notification Email:

Scope: **Sync only assigned users and groups**

Provisioning Status: **On**

Warning: Do not set the scope to **Sync all** or the SAML response will contain no roles, and users won't be able to sign on to Informatica Intelligent Cloud Services.

8. Select **Manage > App roles** and create the app roles that you are mapping on the **SAML Setup** page in Administrator.



If you don't see this option, contact Microsoft Azure technical support.

9. If you want to provision groups, create a dummy role, but do not map this role on the **SAML Setup** page in Administrator.

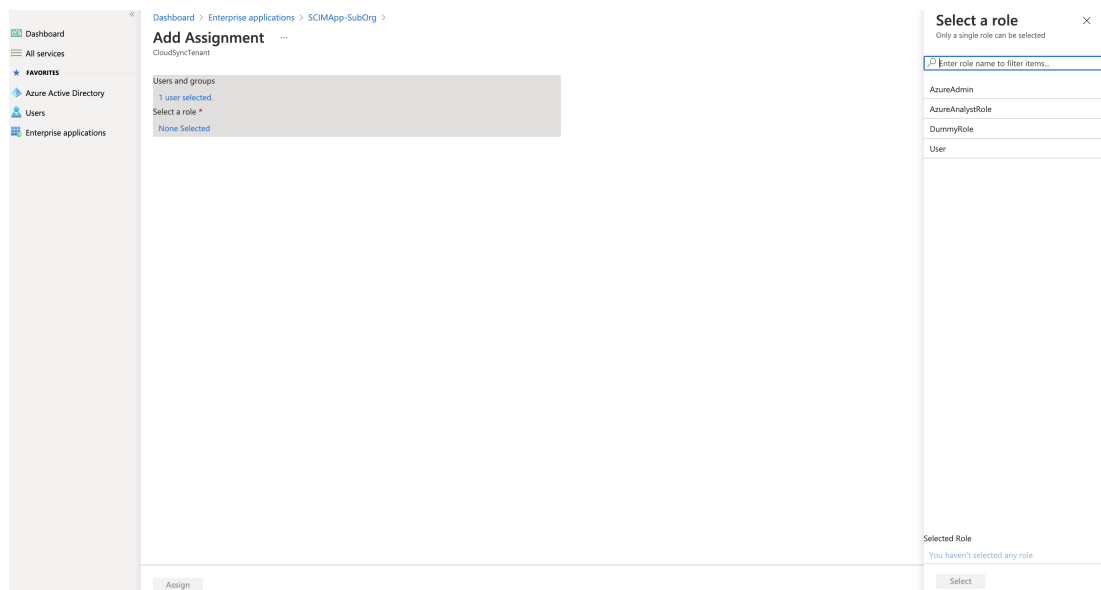
This role is only used for assigning groups to the provisioning app.

You need to create the dummy role because a role is required for group provisioning. The dummy role is not used in Informatica Intelligent Cloud Services. Group to role mapping in Informatica Intelligent Cloud Services is based on the group external ID on the **SAML Setup** page.

10. Save the configuration.

Step 4. Provision Azure AD users

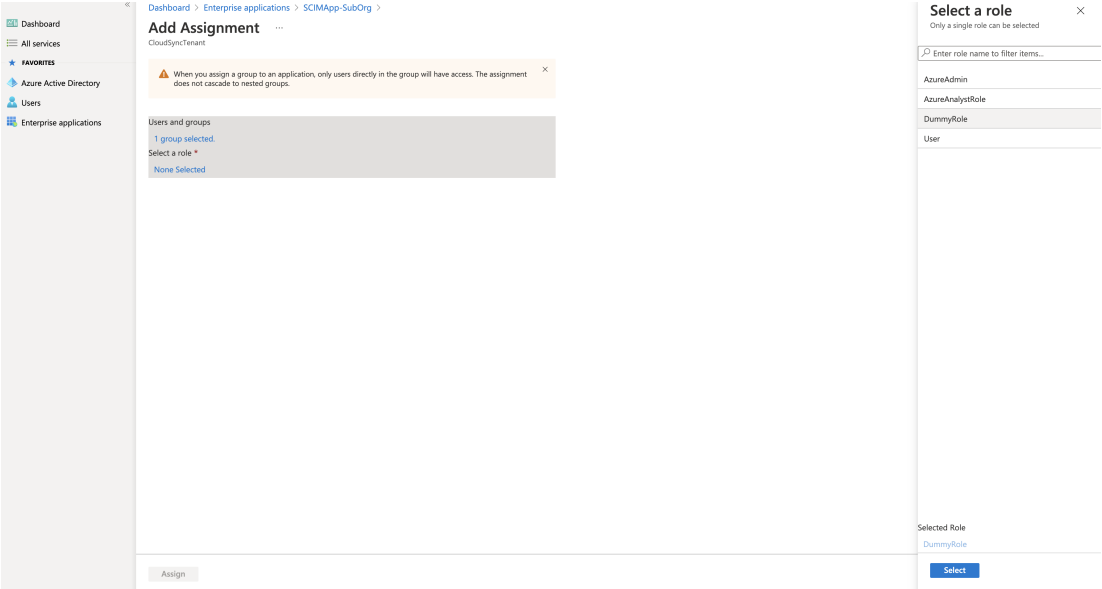
To provision users from Azure AD, assign users to the provisioning app and select the appropriate roles for each user.



Users will be provisioned in Informatica Intelligent Cloud Services after the provisioning cycle completes. Each user will be provisioned with the Informatica Intelligent Cloud Services role that you map to the Azure AD role on the **SAML Setup** page in Administrator.

Step 5. Provision Azure AD groups

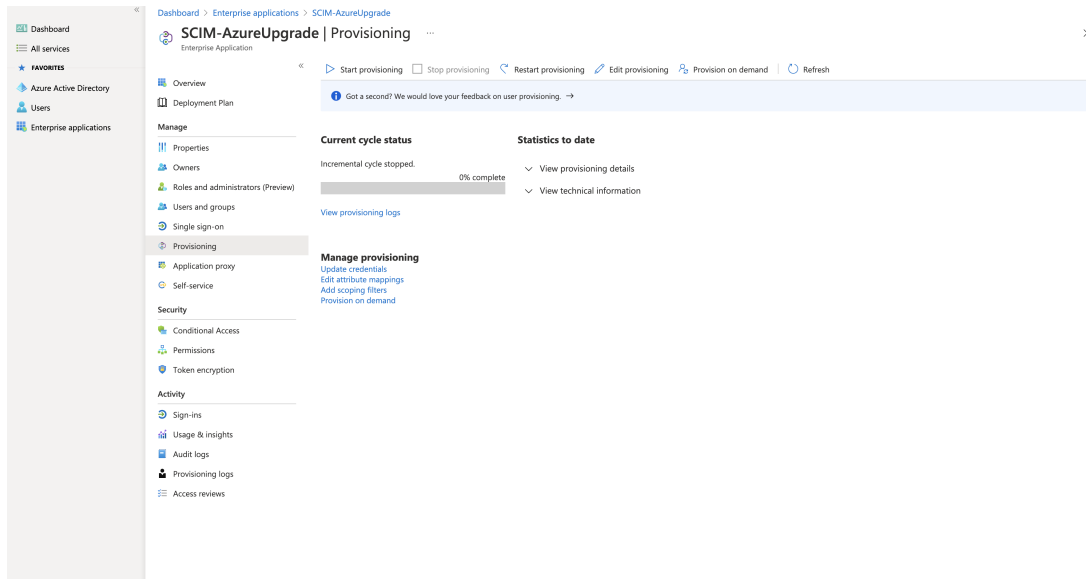
To provision groups from Azure AD, you assign groups to the provisioning app and select the dummy role you created when you integrated the provisioning app with Informatica Intelligent Cloud Services.



You can assign a role to all users in a group and to individual group members. To assign a role to all users in a group, map the SAML group object ID to an Informatica Intelligent Cloud Services role on the **SAML Setup** page. To provide an additional role to a group member, assign users to the provisioning app individually as explained in [“Step 4. Provision Azure AD users” on page 11](#).

Step 6. Start the provisioning cycle in Azure AD

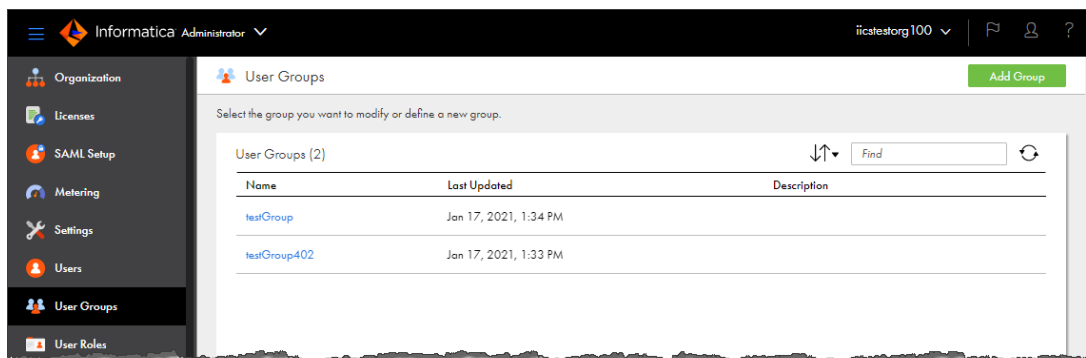
Start the provisioning cycle in the provisioning app in Azure AD.



When you start provisioning, the initial provisioning cycle begins. It can take about 40 minutes to provision the assigned users and groups to Informatica Intelligent Cloud Services for the first time.

Incremental cycles run after the initial cycle to check for updates after the initial cycle. An incremental cycle also runs if there was an error in the previous provisioning cycle and the cycling needs to be retried.

After the initial provisioning cycle completes, verify that the group names have been provisioned in Informatica Intelligent Cloud Services. To do this, open the **User Groups** page in Administrator and verify that the group names appear in the **User Groups** list.



Step 7. Map SAML roles and groups in Informatica Intelligent Cloud Services

Map Azure AD groups to Informatica Intelligent Cloud Services roles on the **SAML Setup** page in Administrator.

1. In Administrator, open the **SAML Setup** page.
2. In the **SAML Attribute Mapping** area, set **User Groups** to the following URL to pass the assigned user groups:

`http://schemas.microsoft.com/ws/2008/06/identity/claims/groups`

Time Zone:	<input type="text" value="timezone"/>
User Roles:	<input type="text"/>
Roles Delimiter:	<input type="text" value="COMMA"/>
User Groups:	<input type="text" value="http://schemas.microsoft.com/ws/2008/06/identity/claims/ξ"/>
Groups Delimiter:	<input type="text" value="COMMA"/>

3. Optionally, on the **SAML Role Mapping** tab, map the Azure AD app roles to Informatica Intelligent Cloud Services roles.

SAML Role Mapping

SAML Group Mapping

Admin:	AzureAdmin
Customer 360 Analyst:	AzureAdmin
Customer 360 Data Steward:	AzureAnalyst
Customer 360 Manager:	AzureAnalyst;AzureAdmin
Data Integration Data Previewer:	role9, role10
Data Integration Task Executor:	role11, role12
Deployer:	role13, role14
Designer:	role15, role16
MDM Designer:	role17, role18
Monitor:	role19, role20
Operator:	role21, role22
Scheduleblackout Permission:	role23, role24
Service Consumer:	role25, role26

4. On the **SAML Group Mapping** tab, map the Azure AD groups to Informatica Intelligent Cloud Services roles.

Admin:	<input type="text" value="group 1, group 2"/>
Customer 360 Analyst:	<input type="text" value="testGroup402"/>
Customer 360 Data Steward:	<input type="text" value="group 5, group 6"/>
Customer 360 Manager:	<input type="text" value="group 7, group 8"/>
Data Integration Data Previewer:	<input type="text" value="group 9, group 10"/>
Data Integration Task Executor:	<input type="text" value="group 11, group 12"/>
Deployer:	<input type="text" value="group 13, group 14"/>
Designer:	<input type="text" value="testGroup"/>
MDM Designer:	<input type="text" value="group 17, group 18"/>
Monitor:	<input type="text" value="group 19, group 20"/>
Operator:	<input type="text" value="group 21, group 22"/>
Scheduleblackout Permission:	<input type="text" value="group 23, group 24"/>
Service Consumer:	<input type="text" value="testGroup"/>

Note: The role or group mapping must be completed. If the mapping is not completed, users will be assigned no Informatica Intelligent Cloud Services roles, and single sign-on will fail.

For more information about claims in SAML tokens see, [SAML token claims reference](#) in the Microsoft documentation.

5. Click **Save**.

Step 8. Verify provisioning in Informatica Intelligent Cloud Services

After the provisioning cycle completes, users and groups are provisioned in Informatica Intelligent Cloud Services. Users are listed on the **Users** page in Administrator, and user groups are listed on the **User Groups** page.

After the provisioning cycle completes, the users' status on the **Users** page will be "Pending Activation."

User Name	Full Name	Phone Number	Status	Groups	Roles	Last Login
adminuser@informatica.com	admin user	1234567890	Pending Activation	No Groups	No Roles	

When a user signs on to Informatica Intelligent Cloud Services for the first time, the user's status changes to "Enabled."

Users are editable while in the Pending Activation state, but once they sign on and the status changes to Enabled, the user details become read-only. If you change the user details while the user is in the Pending Activation state, the changes are overwritten the first time the user signs on to Informatica Intelligent Cloud Services.

The user details page shows the mapped SCIM attributes on the **Extended User Attributes** tab.

User Information

Display Name: Admin for Packages
Employee Number: 00009876
Organization: IICS-Cloud
Department: R&D
Street Address: N/A
Locality: Bengaluru
Region: Karnataka
Post Code: 560072
Country: IN
Locale: en-US
Preferred Language:
ID: ouyUbm6xM48I7DCLGWVC
External ID: 00ure68mCnSjWY1d6

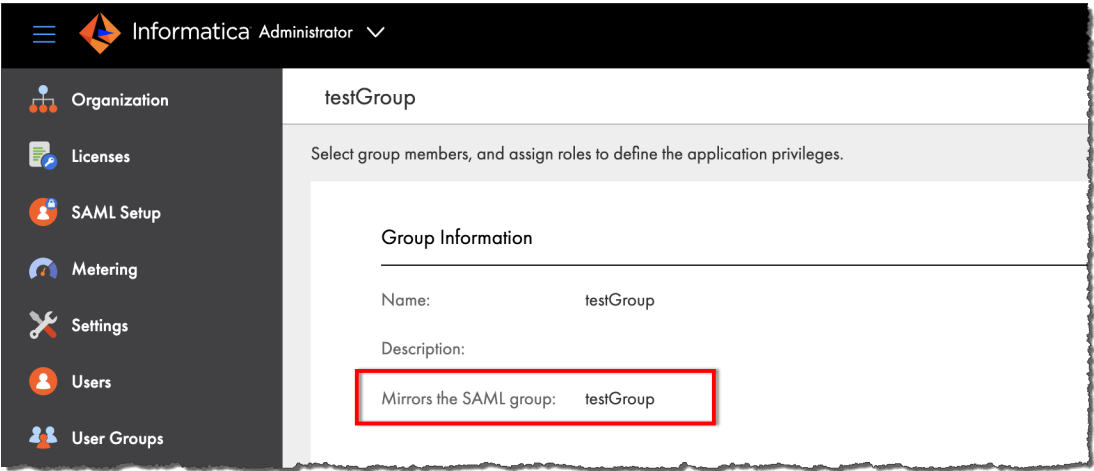
Login Settings

Authentication: IDP with SAML
SAML User Name: adminuser1@informatica.com
Account Status: Pending Activation
Initial Application: Default

Assigned User Groups and Roles

Enabled	Group Name	Description	Enabled	Role Name	Description
---------	------------	-------------	---------	-----------	-------------

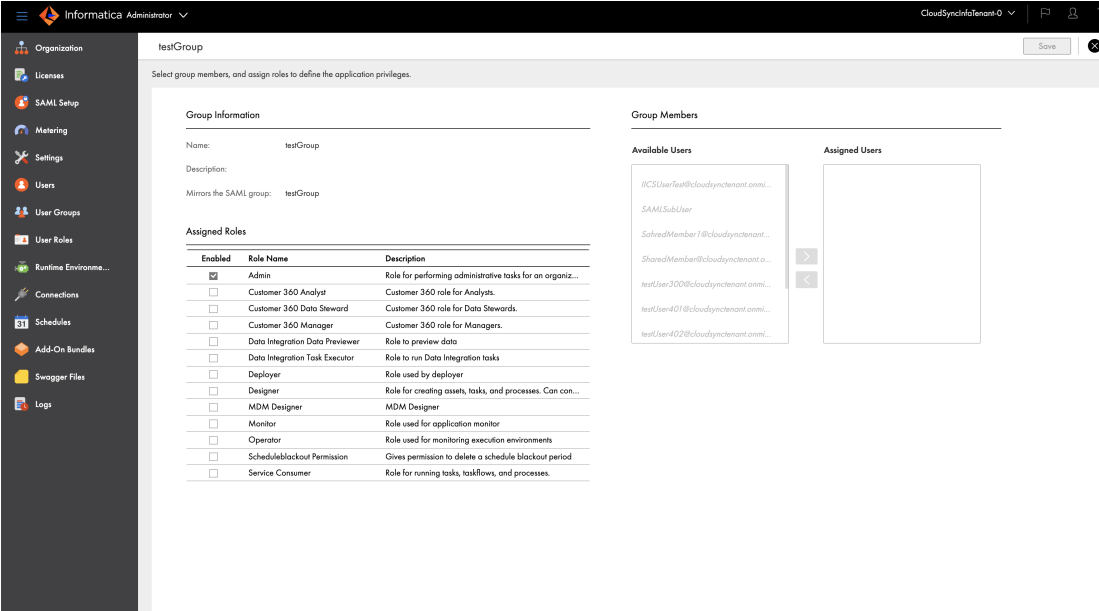
You can view the SAML groups on the **User Groups** page. When you open a group, the **Mirrors the SAML group** field lists the SAML group that the Informatica Intelligent Cloud Services group is mapped to. SAML groups are read-only in Informatica Intelligent Cloud Services.



SAML group names vary based on when you complete the group mapping.

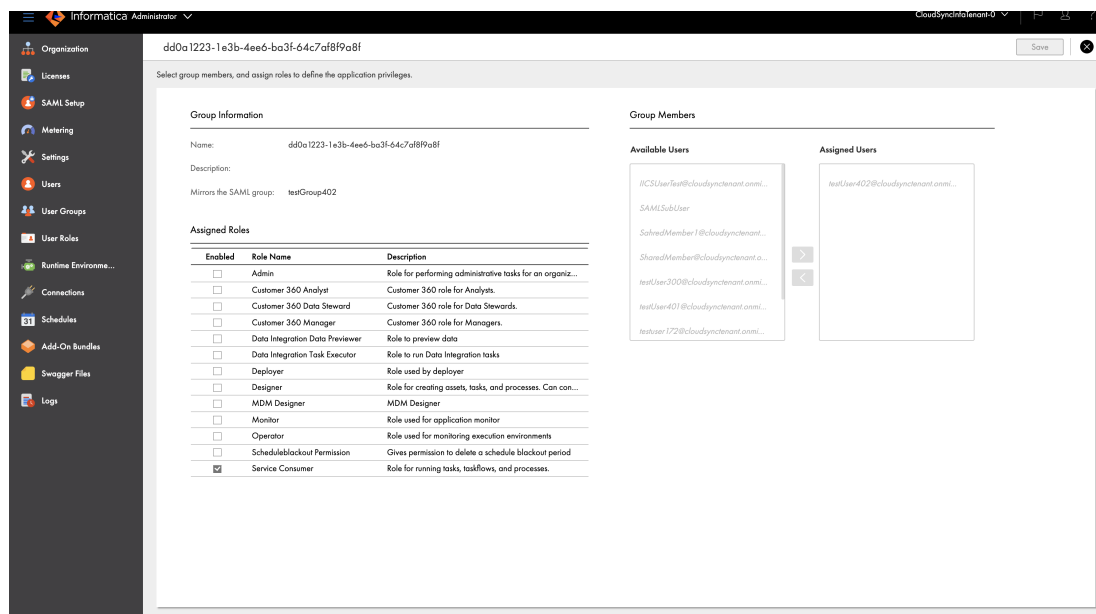
If you complete the SAML group mapping after the initial provisioning cycle (recommended), the Informatica Intelligent Cloud Services group names match the Azure AD group names, and the Informatica Intelligent Cloud Services roles are assigned as configured in the group mapping on the **SAML Setup** page.

The following image shows the group details for a SAML group when the group mapping is completed after the initial provisioning cycle:



If you complete the SAML group mapping before the initial provisioning cycle, the Informatica Intelligent Cloud Services group name is the same as the group external ID in Azure AD. During provisioning, the Azure AD groups are merged with the Informatica Intelligent Cloud Services SAML groups that were created from the group and role mapping on the **SAML Setup** page.

The following image shows the group details for a SAML group when the group mapping is completed before the initial provisioning cycle:



Guidelines for working with users

Consider the following guidelines when you work with users:

- The user attributes "username" and "email" are required. If these attributes are not provided, provisioning of the user will fail.
- User email addresses must be in the format: <local part>@<domain>, for example, jsmith@mycompany.com.
- In Informatica Intelligent Cloud Services, user names are unique to each user. Therefore, if you edit a user name in Azure AD after provisioning, Informatica Intelligent Cloud Services creates two users: one with the old user name and one with the new user name.

If you need to edit a user name after provisioning, delete the user in Azure AD, and then re-create the user with the new name.

- User phone numbers must contain 10-25 characters. They can contain only numbers, spaces, parentheses, hyphens, periods, and a plus sign as the first character.
- If you update a user attribute and remove its value, the attribute value will not be removed in Informatica Intelligent Cloud Services. However, if you change its value, the attribute value will be updated in Informatica Intelligent Cloud Services.
- If you soft delete a user in Azure AD, the user will be disabled, not deleted, in Informatica Intelligent Cloud Services. Disabled users cannot sign on to Informatica Intelligent Cloud Services.

To delete a user in Informatica Intelligent Cloud Services, first soft delete the user in Azure AD, then go to deleted users and permanently delete the user.

- If you remove a user from the provisioning app after users have been pushed, then add the user back to the app, the user's state in Informatica Intelligent Cloud Services will be Enabled instead of Pending Activation.

Guidelines for working with groups

Consider the following guidelines when you work with groups:

- Group display names in Informatica Intelligent Cloud Services vary based on when you complete the SAML group mapping. If you map groups after the SCIM push, the group names in Informatica Intelligent Cloud Services will match the Azure AD group names. If you map groups before the SCIM push, the group names in Informatica Intelligent Cloud Services will be the same as the group external IDs in Azure AD.
- If you change a group name in Azure AD, the group name is not updated in Informatica Intelligent Cloud Services. However, the **Mirrors the SAML group** field on the **User Groups** page displays the new Azure AD group name.
- If you delete a group in Azure AD, group members that were assigned to the app individually are removed from the group in Informatica Intelligent Cloud Services. Group members that were not assigned to the app directly are disabled, but not deleted, in Informatica Intelligent Cloud Services. Disabled users cannot sign on to Informatica Intelligent Cloud Services.
- Deleting a group does not delete the group members in Informatica Intelligent Cloud Services. If you want to delete group members, you must permanently delete the users in Azure AD.

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