



Setting up SCIM with Azure Active Directory

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Abstract

Informatica Intelligent Cloud Services[™] 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 April 2024

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Overview

Informatica Intelligent Cloud Services[™] 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

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Read the configuration guide of for help integrating Test.

Basic SAML Configuration		🖉 Edi
Identifier (Entity ID)	Required	
Reply URL (Assertion Consumer Service UR	Required	
L)		
Sign on URL	Optional	
Relay State	Optional	
Logout Url	Optional	

Setting	Value
Identifier (Entity ID)	<pre>https://<organization id="">.<hostname> For example, https://l2a3b4cdef5gh67ijklm8n.dm- us.informaticacloud.com/</hostname></organization></pre>
Reply URL (Assertion Consumer Service URL)	<pre><iics base="" url="">/identity-service/acs/<organization id=""> For example, https://dm-us.informaticacloud.com/identity- service/acs/12a3b4cdef5gh67ijklm8n</organization></iics></pre>
Sign on URL	<pre><iics base="" url="">/ma/sso/<organization id=""> For example, https://dm-us.informaticacloud.com/ma/sso/ 12a3b4cdef5gh67ijklm8n</organization></iics></pre>

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.

User Attributes & Claims		0 E
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.

	⁶⁶ Dashboard > Enterprise applications > SCIMApp-SubOrg > SAML-based	i Sign-on >	Group Claims
1 Dashboard	User Attributes & Claims		Manage the group claims used by Azure AD to populate SAML tokens issued to your app
All services			Which groups associated with the user should be returned in the claim?
FAVORITES	+ Add new claim + Add a group claim ≡≣ Columns		None
Azure Active Directory			 All groups
Users	Required claim		 Security groups
Enterprise applications	Claim name	Value	O Directory roles
	Unique User Identifier (Name ID)	user.userprincipalname [nameid-for	Groups assigned to the application
	Additional claims		Source attribute *
	Claim name	Value	sAMAccountName
			▲ This source attribute only works for groups synchronized from an on-premises Active D using AAD Connect Source 12/200 or abrow Learn More
	http://schemas.microsoft.com/ws/2008/06/identity/claims/groups	user.groups [All]	dang year connect sync rule to or worker. connector
	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress	user.mail	
	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname	user.givenname	Customize the name of the group claim
	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name	user.userprincipalname	Name (required)
	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/sumame	user.sumame	
			Namespace (optional)
			Emit groups as role claims

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.

SAML Signing Certificate	0 E
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.

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🔒 Organization	🚯 SAML Setup		Download Service Provider Metodata Save
🌄 licenses	Configure Single Sign-On (SSO) using Security Assertion Markup Language		
📑 SAML Setup	SSO Configuration	SAML Attribute Mapping	
n Metering		SAML Amoure Mapping	
X Settings	Use Identity Provider File: Drop file here Choose File	User friendly SAML attribute names	0
• •••••••••••••••••••••••••••••••••••	Disable auto provisioning of users 🛛 🚳	First Name: givenName	
Users	Map SAML Groups and Roles 🛛 🞯	Last Name: familyName	
4 User Groups		Job Title: ##e	
🚺 User Roles	Identity Provider Configuration	Email Addresses: emails	
👼 Runtime Environme	Issuer:* 💿	Emails Delimiter: COMMA	•
📁 Connections	Single Sign-On Service URL*	Phone Number: phoneNumbers	
岸 Add-On Connectors	Single Logaut Service URL: 🔘	Time Zone: limezone	
31 Schedules	Signing Certificate:*	User Roles:	
🔶 Add-On Bundles		Roles Delimiter: COMMA	*
Swagger Files		User Groups:	
🛃 Logs	Use signing certificate for encryptions	Groups Delimiter: COMMA	· ·
🔅 Elastic Clusters	Encryption Certificate: 🔘	SAML Role Mapping SAML G	Proup Mapping
File Servers		Admin: rol	le 1, role2
	Name Identifier Format: 🔘	Admin - read user: role	le3, role4
	Lopout Sporteo LIRI/SQAR		

- 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.

SAML Setup	
Configure Single Sign-On (SSO) using Security Assertion Markup Language	
SSO Configuration	SAML Attrib
Use Identity Provider File: Drop file here Choose File	🗌 User frien
✓ Disable auto provisioning of users	First Name:
Map SAML Groups and Roles	Last Name:
Enable IdP to push users/groups using SCIM 2.0	Job Title:
Identity Provider Configuration	Email Address
······	Emails Delimit

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.

• 🚳 SAML Setup			Download Service Provider Metadata Save
Configure Single Sign-On (SSO) using Security Assertion Markup Language			
SSO Configuration	SAML	Attribute Mapping Additional Attributes	
Use Identity Provider File: Drop file here Choose File	[] Use	r friendly SAML attribute names 🛛 🔞	
Disable auto provisioning of users			
Map SAML Groups and Roles 🔞	SCIM Token		\otimes
Enable IdP to push users/groups using SCIM 2.0 Generate Token	Copy and use this token when configuring :	SCIM at your Identity Provider.	/
Identity Provider Configuration	SCIM Token: O NobB9nhtElBc	JqPuEk6Zl6x-aPDRTL2QgERnr0KwHR2DWy1f	y y
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Issuer:* () http://www.okta.com/exkpvotukQ5w7mkTi			Close
Sicolo Size De Sarvice URI:*	manna - manna -	man man man	

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.

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.
Azure AD needs the following information to connect to schwapp's Arrand synchronize user data.
Tenant URL* ①
https://api.contoso.com/scim-service/v2
Secret Token
••••••
Test Connection
✓ Mappings
·····++
✓ Settings
Provisioning Status ①
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.

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wure Active Directory admin cente				
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		sumana	nama.family/fame	
		Join(" ' (gluenhame) (sumane)	name.formatted	
		physicalDeliveryOfficeName	addresses(type eq "work").formatted	
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		<i>a</i> ₁	addresses(type eq. "work").locality.	
		Itate	addresses(type eq "work") region	
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The following images show some constant attributes:

20 Duthand	Clashboard > Enterprise applications > SCIMApp-SubOrg > Provisioning >		Edit Attribute	×
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	Save X Discard		AD object (e.g. Users) should flow to and from this ap	plication.
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Enterprise applications	userPrincipalName	userName 1	en-US	~
	Switch([IsSoftDeleted], . "False", "True", "False")	active	Target attribute * 💿	
	displayName	displayName	locale	\sim
	jobTitle	title		
	mail	emails[type eq "work"].value	Match objects using this attribute	~
	English	preferredLanguage		
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	sumame	name.familyName	Apply this mapping ①	
	streetAddress	addresses(type eq "work").streetAddress	Apply this mapping U Always	~
	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		
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All services FAVORITES Azure Active Directory Users	Darkboard > Entreprise applications > SCMApp-SubCirg > Provisioning > Attribute Mapping :: Image: Soften board = Soften board Image: Soften board Image: Soften board = Soften	userName 1 acive acive displayName total total acive predental.anguage acive name.familyName acive name.familyName acive addresselyyse qi "vock" JonaticAcide aciderasselyyse qi "vock" JonaticAcide addresselyyse qi "vock" JonaticAcide aciderasselyyse qi "vock" JonaticAcide addresselyyse qi "vock" JonaticAcide aciderasselyse qi "vock" JonaticAcide addresselyse qi "vock" JonaticAcide aciderasselyse qi "vock" JonaticAcide addres	Edit Attribute A mapping lets you define how the attributes in or AD object (e.g.) Letray should flow to and from this Mapping type Constant Constant Value * IST Target attribute * Match objects using this attribute No Match objects constant Value Apply this mapping	ne class of Azure application

Cashboard All services Arure Active Directory	Dathbard > Enterprise applications > SCIMApp-SubDrg > Provisioning > Attribute Mapping See × Discard		Edit Attribute \times A mapping lets you define how the attributes in one class of Axue AD object (e.g. Users) should flow to and from this application. Mapping type \odot
Lusers	Attribute mappings define how attributes are synchronized between Azure Active Directory and customappsso Azure Active Directory Attribute	customappsso Attribute Matching pr	Constant V
Enterprise applications	userPrincipalName	userName 1	Constant Value * ③
	Switch/(IIsGoftDeleted), "False", "True", "True", "False")	active	English 🗸
	displayName	displayName	Target attribute * ①
	iobTitle	title	preferredLanguage V
	mail		Match objects using this attribute
		emails[type eq "work"].value	No V
	English givenName	preterred_anguage name.givenName	Matching precedence ①
			0
	sumame	name.familyName	Apply this mapping
	streetAddress	addresses[type eq "work"].streetAddress	Always
	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	
	157	timezone	
	emplayeeld	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		
			Ok

6. 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 >			Edit Attribute ×
Dashboard	Attribute Mapping			
I All services	11 5			A mapping lets you define how the attributes in one class of Azure
* FAVORITES	🔚 Save 🔀 Discard			AD object (e.g. Users) should flow to and from this application.
Azure Active Directory	Attribute mappings define how attributes are synchronized between Azure Active Directory and customappsso			Mapping type ①
🚨 Users	Azure Active Directory Attribute	customappsso Attribute	Matching pr	Expression V
Enterprise applications	userPrincipalName	userName	1	Expression ③
	Switch([IsSoftDeleted], , "False", "True", "False")	active		AppRoleAssignmentsComplex([appRoleAssignments])
	displayName	displayName		
	jobTitle	title		
	mail	emails[type eq "work"].value		The expression was correctly parsed.
	English	preferredLanguage		Default value if null (optional)
	givenName	name.givenName		
	sumame	name.familyName		Target attribute * ①
	streetAddress addresses[type eq "work"] streetAddress			roles 🗸 🗸
	city	addresses[type eq *work"].locality		Match objects using this attribute
	state addresses[type eq "work"] region			No
	postalCode	addresses[type eq "work"].postalCode		Matching precedence ①
	country	addresses(type eq "work").country		0
	telephoneNumber	phoneNumbers[type eq "work"].value		Apply this mapping
	objectid	externalid		Ahways
	en-US	locale		
	IST	timezone		
	employeeld	um: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			
				Ok

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

Send an email notification when a failure occurs	
Notification Email ①	
Scope ①	
Sync only assigned users and groups	

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.

Al services A services are profer A services are pr	Dashboard	SCIMApp-SubOrg	App roles 🖈							
A run Active Totienty 	All services	····								
Unital Outside App roles • Outside	FAVORITES	P Search (Cmd+/) «	+ Create app role	♡ Got feedback?						
Integrate speciation	Azure Active Directory									
Manage Power of langing Approved Picplay varie Display var	Enterprise applications		App roles are custom roles to assign permissions to users or apps. The application defines and publishes the app roles and interprets them							
a fandard Dummyfole Dummyfole UmeryfGrup/Applications Dummyfole 0453756-347-485c-8. Enabled Centificates & sacrets AzureAnalysticle AzureAnalysticle Userx/Grupp/Applications AzureAnalysticle 735559-4139-413r Enabled III Taken configuration AzureAnalysticle AzureAnalysticle 735559-4139-413r Enabled III Taken configuration AzureAnalysticle Userx/Grupp/Applications AzureAnalysticle 735559-4139-413r Enabled III Taken configuration AzureAnalysticle Userx/Grupp/Applications AzureAnalysticle 735559-4139-413r Enabled IIII Taken configuration AzureAnalysticle Userx/Grupp/Applications AzureAnalysticle 735559-4139-4137 Enabled IIII Taken configuration MaxeAninotes: Userx/Grupp / Users 1541549-6154-437h Enabled IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
According/statice According/statice According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup/Application According/statice MexiCorup According/statice MexiCorup According MexiCorup Accorup MexiCorup Accorup MexiCo		Branding	Display name	Description	Allowed member types	Value	ID	State		
III Taken configuration Azurakdmini Azurakdmini 7:37/2971-3d25-4d74		Authentication	DummyRole	DummyRoledesc	Users/Groups,Applications	DummyRole	0e587b6c-3af4-48bc-8.	. Enabled		
AP permission: User User User/Groups 18/1459-Gloid 4396		📍 Certificates & secrets	AzureAnalystRole	AzureAnalystRoleDesc	Users/Groups, Applications	AzureAnalyst	7c35b5f9-d139-491a	Enabled		
Image: Constraint of the spectral of the spec		III Token configuration	AzureAdmin	AzureAdminDesc	Users/Groups, Applications	AzureAdmin	7c37b991-3d2b-4d7f	Enabled		
III. Approfes III. Ourses III. Robes and administrators Preview III. Manifest Support + Troubleshooting IV. Troubleshooting		API permissions	User	User	Users/Groups		18d14569-c3bd-439b	Enabled		
Conners Roles and administrators Proview Manifest Support + Treablehooting P Treablehooting		Expose an API	msiam_access	msiam_access	Users/Groups		b9632174-c057-4f7e	Enabled		
Roles and administrators Preview Manifest Support + Troubleshooting P Troubleshooting		App roles								
Manifest Support + Treubleshooting Treubleshooting		A Owners								
Support + Treubleshooting Image: P Treubleshooting		& Roles and administrators Preview								
P Troublestooting		Manifest								
		Support + Troubleshooting								
2 New support request		Troubleshooting								
		New support request								

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.

«		
shboard	Dashodaru / Enterprise applications / Schniepp-Suborg /	Select a role
	Add Assignment	Only a single role can be selected
services	CloudSyncTenant	P Enter role name to filter items.
VORITES	Users and groups	
ure Active Directory	1 user selected.	AzureAdmin
ers	Select a role *	AzureAnalystRole
terprise applications	None Selected	DummyRole
		User
		Selected Role
		Selected Role You haven't selected any role.

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.

 Cashboard All services 	Dashboard > Enterprise applications > SCIMApp-SubOrg > Add Assignment ··· GoudSyncTenant	Select a role × Only a single role can be selected
FAVORITES Azure Active Directory Less	▲ When you assign a group to an application, only users directly in the group will have access. The assignment × does not cascade to nested groups.	AzureAdmin AzureAnalystRole
Enterprise applications	Users and groups	DummyRole
	1 group selected. Select a role * None Selected	User
		Selected Role DummyRole
	Assign	Select

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 <u>"Step 4. Provision</u> 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.

**	Dashboard > Enterprise applications > SCIM-AzureUpgrade						
Dashboard	SCIM-AzureUpgrad	le Provisioning		>			
I All services	Enterprise Application						
* FAVORITES	«	Start provisioning Stop provisioning	Restart provisioning 🧷 Edit provisioning 🤌 Provision on demand 🛛 💍 Refresh				
Azure Active Directory	Overview	Got a second? We would love your feedback on us	f) Got a second? We would love your feedback on user provisioning. →				
🚨 Users	Deployment Plan	•	ar foraronaria.				
Enterprise applications	Manage						
	Properties	Current cycle status	Statistics to date				
	2 Owners	Incremental cycle stopped. 0% complete	✓ View provisioning details				
	& Roles and administrators (Preview)	0.0 complete	✓ View technical information				
	Users and groups	View provisioning logs					
	Single sign on						
	Provisioning	Manage provisioning					
	Application proxy	Update credentials					
	 Self-service 	Edit attribute mappings Add scoping filters					
	Security	Provision on demand					
	Sconditional Access						
	2 Permissions						
	Token encryption						
	Activity						
	Sign-ins						
	🕍 Usage & insights						
	Audit logs						
	Provisioning logs						
	Access reviews						

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.

	🔶 Informatica [:] Ad	dministrator V		iicatestorg100 ✔ P & ?
Å	Organization	👔 User Groups		Add Group
Г.	Licenses	Select the group you want to more	dify or define a new group.	
6	SAML Setup	User Groups (2)		↓↑ Find ↔
a	Metering	Name	Last Updated	Description
×	Settings	testGroup	Jan 17, 2021, 1:34 PM	
2	Users	testGroup402	Jan 17, 2021, 1:33 PM	
4	User Groups			
	User Roles			

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:	timezone
User Roles:	
Roles Delimiter:	СОММА
User Groups:	http://schemas.microsoft.com/ws/2008/06/identity/claims/g
Groups Delimiter:	СОММА

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:	role 11, role 12
Deployer:	role 13, role 14
Designer:	role 15, role 16
MDM Designer:	role 17, role 18
Monitor:	role 19, role 20
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.

SAML Role Mapping	AML Group Mapping
Admin:	group 1, group2
Customer 360 Analyst:	testGroup402
Customer 360 Data Steward:	group5, group6
Customer 360 Manager:	group7, group8
Data Integration Data Previewer:	group9, group10
Data Integration Task Executor:	group 11, group 12
Deployer:	group 13, group 14
Designer:	testGroup
MDM Designer:	group 17, group 18
Monitor:	group 19, group 20
Operator:	group21, group22
Scheduleblackout Permission:	group23, group24
Service Consumer:	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, <u>SAML token claims reference</u> in the Microsoft documentation.

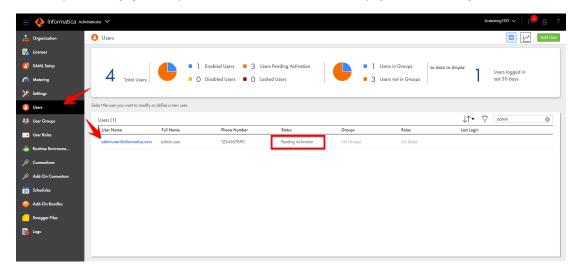
5. Click Save.

-

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."



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.

Informatica Admi	matica Administrator 🗸 isotestoop100 v 🔑 g ?						
tion	edminuser1@inform	nalica.com		Save			
	Define the user account settings	, including group and role assignments.					
			Login Settings				
	User Information	Extended User Attributes					
	Display Name:	Admin for Pockages	Authentication:*	IDP with SAML			
	Employee Number:	000098716	SAML User Name:*	adminuser 1@informatica.com			
	Organization:	IICS-Cloud	Account Status:	Pending Activation			
	Department:	R&D	Initial Application:	Default			
	Street Address:	NA					
	Locality:	Bengaluru					
	Region:	Karnataka					
L	Post Code:	560072					
	Country:	IN					
L	Locale:	en-US		'			
	Preferred Language:						
	ID:	auyUbm6xMN4iljI7DCLQW/C					
	External ID:	00urevb8mCn5jSIYY1d6					
	Assigned User Gro						
	Enabled Gr	oup Name Description	Enabled Role Nam	e 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.

	\equiv \diamondsuit Informatica Administrator \checkmark								
.	Organization	testGroup							
R	Licenses	Select group members, and assign roles to define the application privileges.							
2	SAML Setup	Group Information							
0	Metering								
		Name: testGroup							
×	Settings	Description:							
	Jsers								
		Mirrors the SAML group: testGroup							
4	User Groups								

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:

arriver and the termination of terminat	dministrator 🗸					CloudSyncInfaTenant-	• × F & ?		
🔒 Organization	testGroup						Save		
🛃 Licenses	Select group members,	Select group members, and assign roles to define the application privileges.							
🚺 SAML Setup									
Metering	Group Infor	mation	Group Members			_			
X Settings	Name:	testGroup	Available Users	Assigned Use	175				
	Description:								
Users	Mirrors the SAML group: testGroup			IICSUserTest@cloudsynctenant.onmi					
4 User Groups				SAMLSubUser					
💶 User Roles	Assigned Ro	oles		SahredMember1@cloudsynctenant					
Runtime Environme	Enabled	Role Name	Description	SharedMember@cloudsynctenant.o	\geq				
Connections		Admin Customer 360 Analyst	Role for performing administrative tasks for an organiz Customer 360 role for Analysts.	testUser300@cloudsynctenant.onmi					
Connections		Customer 360 Data Steward	Customer 360 role for Data Stewards.	testUser401@cloudsynctenant.onmi					
31 Schedules		Customer 360 Manager	Customer 360 role for Managers.						
🧼 Add-On Bundles		Data Integration Data Previewer	Role to preview data	testUser402@claudsynctenant.onmi					
Add-On bundles		Data Integration Task Executor	Role to run Data Integration tasks						
🦲 Swagger Files		Deployer	Role used by deployer						
_		Designer	Role for creating assets, tasks, and processes. Can con						
🛃 Logs		MDM Designer	MDM Designer						
		Monitor	Role used for application monitor						
		Operator	Role used for monitoring execution environments						
		Scheduleblackout Permission	Gives permission to delete a schedule blackout period						
		Service Consumer	Role for running tasks, taskflows, and processes.						

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:

😑 🔶 Informatica A	dministrator 🗸				CloudSynchriaTena	ant-0 ∨ ∨ 0-tnc				
🔒 Organization	dd0a1223-1e3b-4ee6-ba3f-64c7af8f9a8f									
🛃 Licenses	Select group members, and assign roles to define the application privileges.									
👩 SAML Setup	Group Inforr	nation		Group Members						
n Metering	Name:	dd0a1223-1e3b-4ee6-	hn 36.6de 7nf819n8f							
🄀 Settings	Description:			Available Users	Assigned Users					
Users	Mirrors the SA	ML group: testGroup402		IICSUserTest@cloudsynctenant.onmi	testUser4028cloudsynctenant.onmi					
User Groups	Assigned Ro	les		SAMLSubUser SahredMember I & cloudsynctenant						
User Roles	Enabled	Role Name	Description	SharedMember@cloudsynctenant.o	>					
Runtime Environme Connections		Admin Customer 360 Analyst	Role for performing administrative tasks for an organiz Customer 360 role for Analysts.	testUser300@cloudsynctenant.onmi						
Connections		Customer 360 Data Steward	Customer 360 role for Data Stewards.	testUser401@cloudsynctenant.onmi						
31 Schedules		Customer 360 Manager	Customer 360 role for Managers.							
🧼 Add-On Bundles		Data Integration Data Previewer	Role to preview data	testuser 172@cloudsynctenant.onmi						
Add-On bundles		Data Integration Task Executor	Role to run Data Integration tasks							
🦲 Swagger Files		Deployer	Role used by deployer							
🛃 logi		Designer	Role for creating assets, tasks, and processes. Can con							
Logs		MDM Designer	MDM Designer							
		Monitor	Role used for application monitor							
		Operator	Role used for monitoring execution environments							
		Scheduleblackout Permission Service Consumer	Gives permission to delete a schedule blackout period Role for running tasks, taskflows, and processes.							
		Service Consumer	Kole for running tasks, tasktiows, and processes.							

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.

- During provisioning, the user attribute "title" is truncated at 100 characters.
- 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.

Author

Astha Girdher Principal SDET