



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 June 2023

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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		🖉 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.

Azure Active Directory admir	n center			tि; L ⊗ ? © agirdher®i
Cashboard Cashboard All services * FAVORITES	Desthboard > Enterprise applications > SCIMApp-SubOrg > SAML-based User Attributes & Claims + Add new claim + Add a group claim == Columns	I Sign-on >		Group Claims Manage the group claims used by Azure AD to populate SAML takens issued to you Which groups associated with the user should be returned in the claim?
Azure Active Directory LUSers	Required claim	Value		None All groups Security groups Directory roles
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	Additional claims Claim name	Value		source annouve ··
	http://schemas.microsoft.com/ws/2008/06/identity/claims/groups http://schemas.wnisoap.org/ws/2005/05/identity/claims/emailaddress	user.groups [All] user.mail		This source attribute only works for groups synchronized from an on-premiser using AAD Connect Sync 1.2.70.0 or above. Learn More Advanced options
	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name	user.givenname user.userprincipalname		Customize the name of the group claim
	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/sumame	user.sumame	•••	Namerose (entional)
				Emit groups as role daims
				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.

SAML Signing Certificate	🖉 E0
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			
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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	
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31 Schedules	Signing Certificate:*	User Roles:	
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Swagger Files		User Groups:	
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🔅 Elastic Clusters	Encryption Certificate: 🔘	SAML Role Mapping SAML G	żroup Mapping
File Servers		Admin: rol	o 1, rolo2
	Name Identifier Format: 🔘	Admin - read user: role	e3, role4
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- 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.

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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	User friendly	SAML attribute names 🛛 🔞		
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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: NobB9nhtEIBcUqPuEk6	ZI6x-aPDRTL2QgERnr0KwHR2DWy11 Cog	ру	
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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
A run AD pool the following information to connect to SCIMA on's ADI and supprisonize 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
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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	city	addresses[type eq "work"].locality	
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 Cashboard All services FAVORITES Anura Active Directory: 	Dathbard > Enterprise applications > SCIMApp-SubDrg > Provisioning > Attribute Mapping See X Discard		Edit Attribute \times A mapping lets you define how the attributes in one class of Azare AD object (e.g. Uker) about flow to and from this application.
Lisers	Attribute mappings define how attributes are synchronized between Azure Active Directory and customappsso Azure Active Directory Attribute	cutomanorro Attributa Matchina n	Constant V
Enterprise applications	urarDrinninsMama	urathama 1	Constant Value * ③
	Switch/III/SoftDalatari] "Exira" "True" "Exira")	artine -	English 🗸
	direla Mone	dicale Alama	Target attribute * ①
	ishTitla	title	preferredLanguage V
	ponde	une	Manual schemeter regime while anticide sta
		emanstype eq. work j.varue	No V
	English	preterredLanguage	Matching precedence
	greenreame	namegivenvarie	0
	sumame	hame.tamitywame	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 V
	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	um: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	
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.

«	Dashboard > CloudSyncTenant > SCIMApp-SubOrg								
Dashboard	SCIMApp-SubOrg App roles 🖈 ··· ×					×			
All services									
* FAVORITES	P Search (Cmd+/) «	+ Create app role	Sot feedback?						
Azure Active Directory	Overview	App roles							
Lusers	n Quickstart	App roles are custom ro	up roces						
Enterprise applications	💅 Integration assistant as permissions during authorization.								
	Manage	How do I assign App rol	es						
	Branding	Display name	Description	Allowed member types	Value	ID	State		
	Authentication	DummyRole	DummyRoledesc	Users/Groups,Applications	DummyRole	0e587b6c-3af4-48bc-8	Enabled		
	📍 Certificates & secrets	AzureAnalystRole	AzureAnalystRoleDesc	Users/Groups, Applications	AzureAnalyst	7c35b5f9-d139-491a	. Enabled		
	III Token configuration	AzureAdmin	AzureAdminDesc	Users/Groups, Applications	AzureAdmin	7c37b991-3d2b-4d7f-	Enabled		
	API permissions	User	User	Users/Groups		18d14569-c3bd-439b	Enabled		
	Expose an API	msiam_access	msiam_access	Users/Groups		b9632174-c057-4f7e	. Enabled		
	App roles								
	A Owners								
	& Roles and administrators Preview								
	III Manifest								
	Support + Troubleshooting								
	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.

	Dashboard > Enterprise applications > SCIMApp-SubOrg >	Select a role
shboard	Add Assignment	Only a single role can be selected
services	CloudSyncTenant	Enter role name to filter items
ORITES	Users and groups	
are Active Directory	1 user selected.	AzureAdmin
ars	Select a role *	AzureAnalystRole
erprise 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
	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	us Overview	Got a second? We would love your feedback on us	er novisioning 🔿	
🚨 Users	Deployment Plan	•	ar foraronaria.	
Enterprise applications	Manage			
	Properties	Current cycle status	Statistics to date	
	2 Owners	Incremental cycle stopped.	✓ View provisioning details	
	& Roles and administrators (Preview)	0.0 complete	✓ View technical information	
	Users and groups	View provisioning logs		
	Single sign on			
	Provisioning	Manage analisianing		
	Application proxy	Update credentials		
	 Self-service 	Edit attribute mappings Add scoping filters		
	Security	Provision on demand		
	Sconditional Access			
	🖧 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	
		1
Admin:	group1, group2	J
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.

E 🔶 Informatica 🖽	ministrator V			iicateatorg100 ∨ 🔑 ฏ ?
Organization	adminuser1@inform	natica.com		Save
🏅 Licenses	Define the user account setting	s, including group and role assignments.		
SAML Setup	User Information		Lagin Settings	
Metering		Extended Oser Almoures		
🖌 Settings	Employee Number	Admin for Pockages	Authenrication:	IDP with SAML
Jusers 👌 Users	Organization:	IICS-Cloud	Account Status	adminuter I @informatica.com
user Groups	Department:	RåD	Initial Application: E	Default
User Roles	Street Address:	NA		
Runtime Environme	Locality:	Bengaluru		
Connections	Region:	Kamataka		
Add-On Connectors	Post Code:	560072		
S.L.J.J.	Country:	IN		
	Locale:	en-US		
Add-On Bundles	Preferred Language:			
Swagger Files	ID:	auyUbm6xMN14iljI7DCLQWC		
logs	External ID:	00urevb8mCn5jSVY1d6		
	Assigned User Gr	oups and Roles		
	Enabled Gr	oup 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.

	Informatica Ad	ninistrator V							
.	Organization	testGroup							
R	Licenses	Select group members, and assign roles to define the application privileges.							
2	SAML Setup	Group Information							
(Metering								
×	Settings	Name: testGroup							
		Description:							
2	Users	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:

😑 🔶 Informatica 🗛	ninistrator 🗸					CloudSyncinfaTena	nt0 v P & ?
A Organization	testGroup						Save
🌄 Licenses	Select group members, i	and assign roles to define the applicatio	in privileges.				
😫 SAML Setup	Group Infor	motion		Group Members			
n Metering		indicit.					_
🄀 Settings	Name:	testGroup		Available Users		Assigned Users	
(2) Users	Description: Mirrors the SA	Mill aroun: testGroup		IICSUserTest@cloudsynctenant.onmi			
🎎 User Groups				SAMLSubUser			
User Roles	Assigned Ro	bles		SahredMember1@cloudsynctenant			
Runtime Environme	Enabled	Role Name	Description	SharedMember@cloudsynctenant.o	\geq		
4		Admin	Role for performing administrative tasks for an organiz	testUser300@cloudsynctenant.onmi	$\langle \rangle$		
Connections		Customer 360 Analyst	Customer 360 role for Analysts.				
Schedules		Customer 360 Manager	Customer 360 role for Monoperr	testuser+Urierciouasynctenant.onmi			
_		Data Integration Data Previewer	Role to preview data	testUser402@cloudsynctenant.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:

	dd0a1223-1e3b	4ee6-ba3f-64c7af8f9a8f					Save			
🌄 licenses	Select group members, and axign roles to define the application privileges.									
👩 SAML Setup	Group Inform	ates		Group Members						
👧 Metering						-				
🄀 Settings	Partie: daug 1223 - 1636 - 4660-6631 - 04/27 atory dot			Available Users		Assigned Users				
Users	Mirrors the SAML group: testGroup402			IICSUserTest@cloudsynctenant.onmi		testUser402@cloudsynctenant.onmi				
4 User Groups				SAMLSubUser						
User Roles	Assigned Ro	85		SahredMember I @cloudsynctenant						
, 💑 Runtime Environme	Enabled	Role Name Admin	Description Role for performing administrative tasks for an organiz	SharedMember@cloudsynctenant.o	E					
🗯 Connections		Customer 360 Analyst	Customer 360 role for Analysts.	testUser300@cloudsynctenant.onmi						
Schedules		Customer 360 Data Steward Customer 360 Manager	Customer 360 role for Data Stewards. Customer 360 role for Managers.	testUser401@cloudsynctenant.onmi						
Add On Rundles		Data Integration Data Previewer	Role to preview data	testuser 172@cloudsynctenant.onmi						
		Data Integration Task Executor	Role to run Data Integration tasks							
Swagger Files		Deployer	Role used by deployer							
🔂 Logs		MDM Derinner	MDM Devices							
• •••		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.							

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.

Author

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