

User Provisioning using SCIM in Azure

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Customer

Prerequisites

To configure user provisioning the following information is required from CERRIX:

URL to SCIM endpoint	https://[customer short name].cerrix.com/api/scim
Secret token	A JWT to access the SCIM endpoint. This is a long-lived token which
	expires after a certain date and needs to be replaced. The date can be
	negotiated. (In future release of CERRIX the customer should be able to
	manage these tokens themselves)

CERRIX requires the following information:

Default organization	Used to specify the default/fallback organization that new users are
	linked too. Or if an organization identifier is given through user
	provisioning when no match is found.

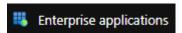
Create enterprise application

We need to create a non-gallery enterprise application in which we can configure user provisioning and configure which groups and users are synchronized.

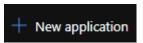
Go to "Azure Active Directory":



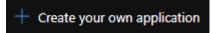
Select "Enterprise applications" in the side menu:



Select "New application" in the top menu under "All applications":

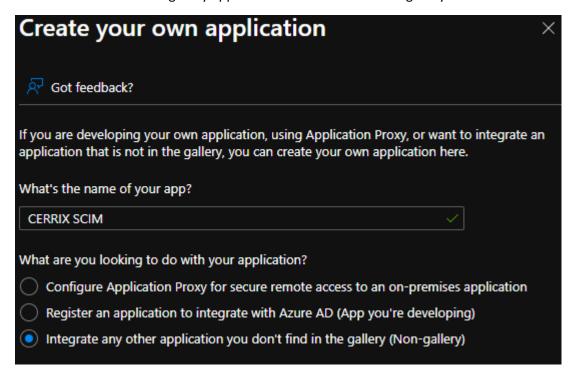


Select "Create your own application" in the top menu to make a non-gallery application:





Fill in a name for the non-gallery application and make sure "non-gallery" is selected:



Select "Create" at the bottom:





Configure user provisioning

Initial connection

Go to the created non-gallery enterprise application and select "Provisioning" in the side menu:



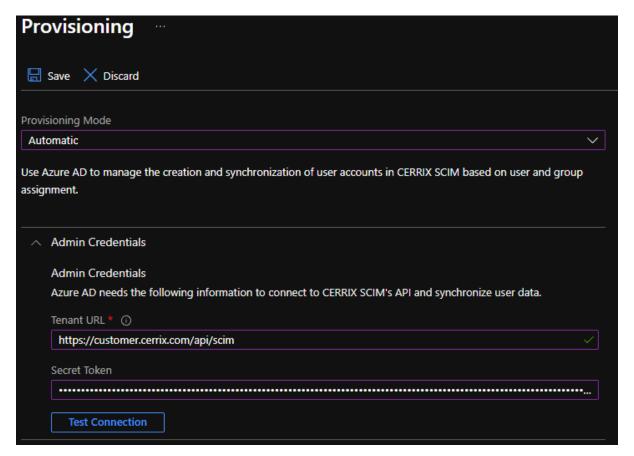
Select "Get started":



Fill in the following values:

Provisioning Mode	Automatic
Tenant URL	https://[customer short name].cerrix.com/api/scim
Secret Token	JWT received from CERRIX to access the SCIM endpoint

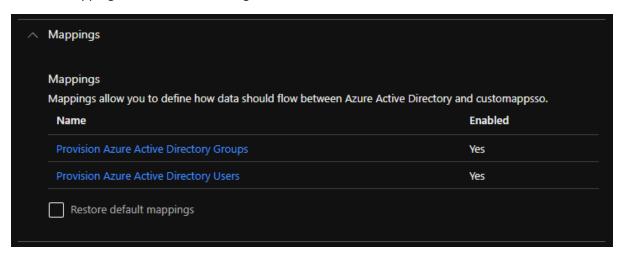
Select "Test Connection" to validate the "Tenant URL" and "Secret Token" and when valid press "Save":





Mappings

Extend "Mappings" in "Edit Provisioning" screen:





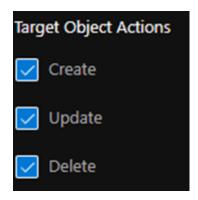
Groups

Select "Provision Azure Active Directory Groups" under "Mappings".

Set "Enabled" too "Yes":

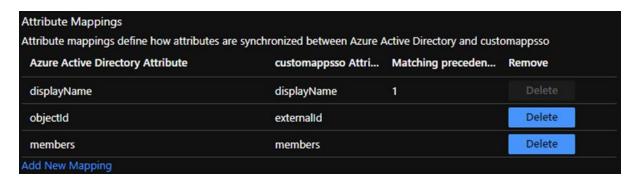


Select "Create", "Update" and "Delete".



Make sure the following "Attribute Mappings" are configured and delete others if any:

displayName	displayName	Name for Role Group
objectId	externalId	Id to identifies role group in AD
members	members	Users connected to Role Group



Select "Save" in the top menu:





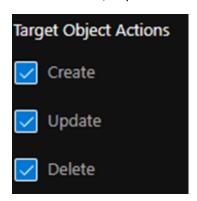
Users

Select "Provision Azure Active Directory Users" under "Mappings".

Set "Enabled" too "Yes":



Select "Create", "Update" and "Delete".





Make sure the following "Attribute Mappings" are configured and delete others if any:

userPrincipleName	username	Username
Switch([IsSoftDeleted	active	Indicates if user may still access CERRIX.
], "False", "True",		User gets deleted from CERRIX when user
"True", "False")		is also (permanently) deleted in Azure.
mail	emails[type eq	Email address
	"work"].value	
givenName	name.givenName	First name
Surname	name.familyName	Last name
mailNickname	externalId	ID to identifies user in AD
When available a	urn:ietf:params:scim:schem	(Optional) Custom organization identifier
custom organization	as:extension:enterprise:2.0:	from customer.
identifier	User:organization	



Select "Save" in the top menu:

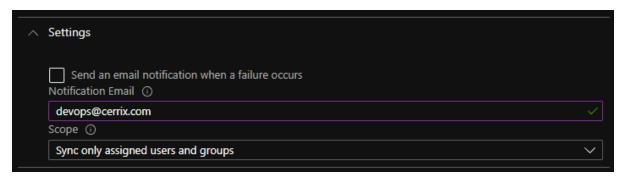




Settings

Expand "Settings" in "Edit Provisioning".

Make sure "Scope" is set to "Sync only assigned users and groups":

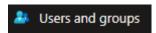


Optionally configure a "Notification Email" and select "Send an email notification when a failure occurs".

Assign groups

Normally only groups are assigned but users are also possible.

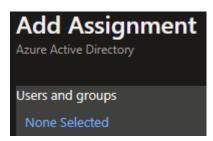
Select "Users and groups" in the left menu of the "Enterprise Application":



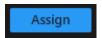
Select "Add user/group" in top menu:



Select "None Selected" under "Users and groups":



Select the groups (and users) that need to be assigned and select "Save" in bottom menu:



Start provisioning

Select "Start provisioning" at "Provisioning":



Configure permissions

Permissions can be configured for the "Role Groups" in CERRIX after the groups are synchronized.



CERRIX

Prerequisites

Required information from customer:

Default organization id	Used to specify the default/fallback organization that new users are
	linked too. Or if an organization identifier is given through user
	provisioning when no match is found.

Required information from CERRIX:

Environment URL	Used for issuer in token
Environment Name	Used for audience in token
Security Key	Used to sign the token

Customer requires the following information:

URL to SCIM endpoint	https://[customer short name].cerrix.com/api/scim
Secret token	A JWT to access the SCIM endpoint. Use the "JWT Generator" to
	generate the long-lived token. (In future release of CERRIX the
	customer should be able to manage these tokens themselves)

Settings

Settings required to validate token:

JwtSecurityKey	Used to sign tokens	
ApplicationRootUrl	Used for issuer in token	
EnvironmentName	Used for audience in token	

Settings required to use SCIM:

SCIM:ScimEnabled	Enable or disable user provisioning
SCIM:ScimDefaultOrganizationId	Configure default/fallback organization



Generate secret token

Use the "JWT Generator" to generate a long-lived token:



