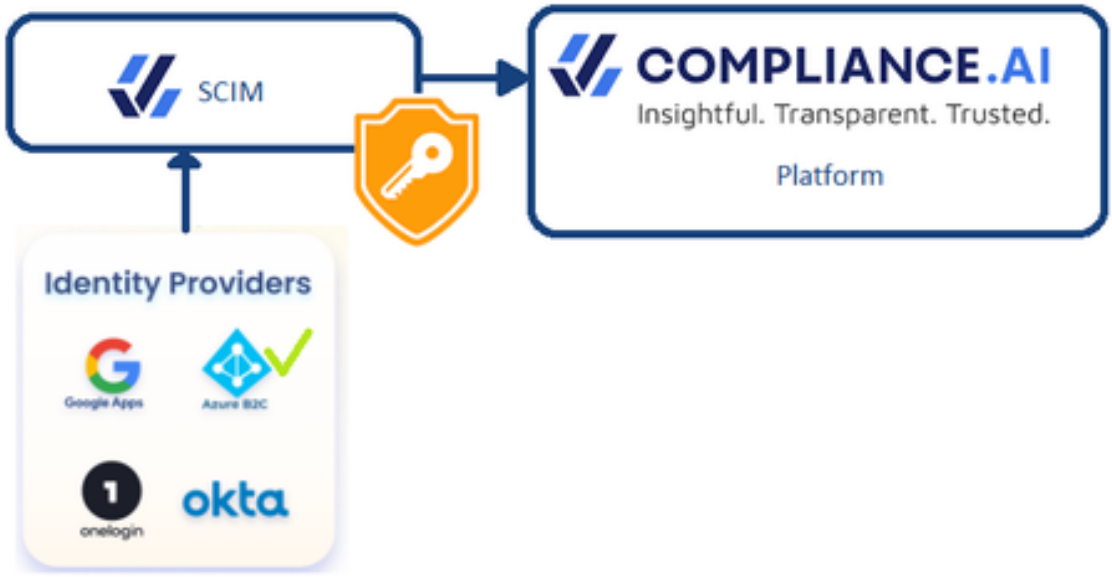
COMPLIANCE.AI

Reference document for Integration Guide for SCIM with Azure Entra

Integration Guide: SCIM and Azure AD Integration

Compliance.ai offers the SCIM API, or System for Cross-domain Identity Management, facilitating automated user provisioning within the Compliance.ai application.
Through the Compliance.ai SCIM API, customers can streamline user provisioning to the Compliance.ai platform by seamlessly integrating it with their existing Identity Provider (IdP) systems. The API aligns with the SCIM standard, providing RESTful APIs tailored to automate user provisioning processes across various systems.



Objective

The objective of this reference document is to provide guidance on integrating Compliance.ai's SCIM API with Azure Active Directory (Azure AD). This document aims to empower users with the knowledge and steps required to integrate the two systems, enabling efficient user provisioning within Compliance.ai's platform via Azure AD.

Overview

The Integration Guide: SCIM and Azure AD Integration serves as a resource for users seeking to integrate Compliance.ai's SCIM API with Azure AD. This guide provides step-by-step instructions and best practices for setting up the integration, configuring attribute mappings, managing user roles, and addressing common challenges.

Supported endpoints for the SCIM API:

The SCIM API provides support for several endpoints, including the following:

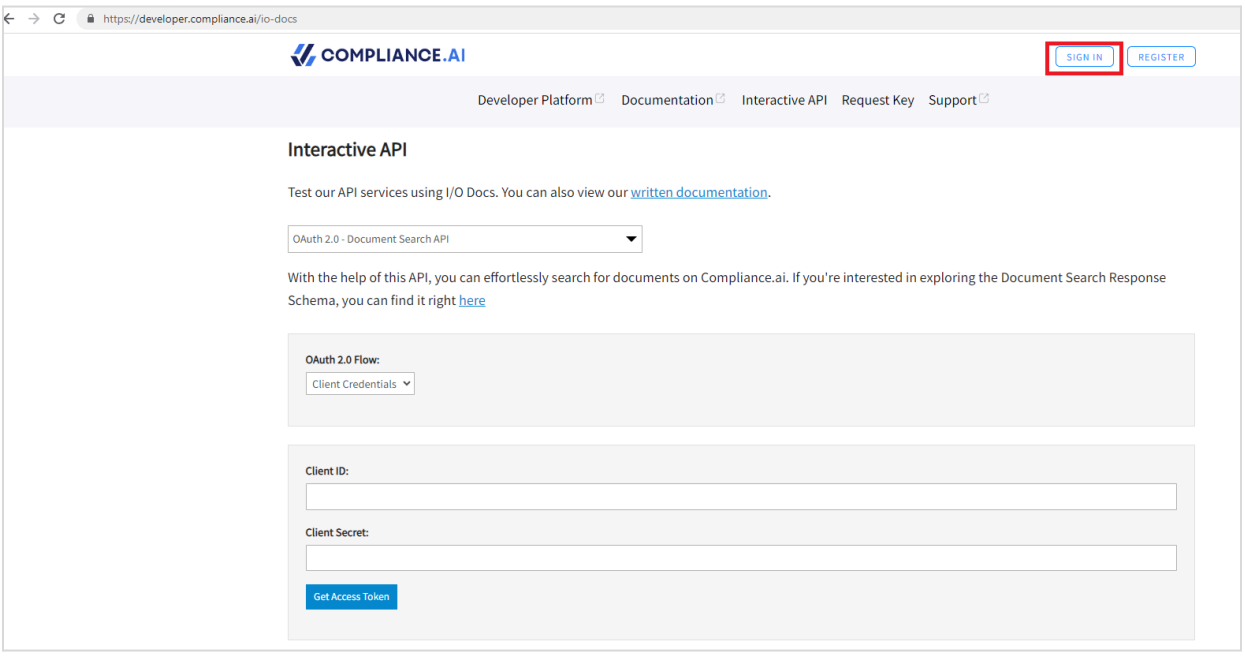
1. **/Users:** This endpoint enables the management of user accounts. It supports creating new user accounts, retrieving user account information, and modifying user account attributes.
2. **/ServiceProviderConfig:** This endpoint provides information about the Compliance.ai service provider. It includes details about supported authentication schemes and endpoint URLs.
3. **/ResourceTypes:** This endpoint provides information about the types of resources supported by the Compliance.ai SCIM API, specifically user accounts.
4. **/Schemas:** This endpoint provides information about the schema for user accounts. It includes details about the attributes that can be modified and any constraints.

How to integrate Azure AD to Compliance.ai SCIM API

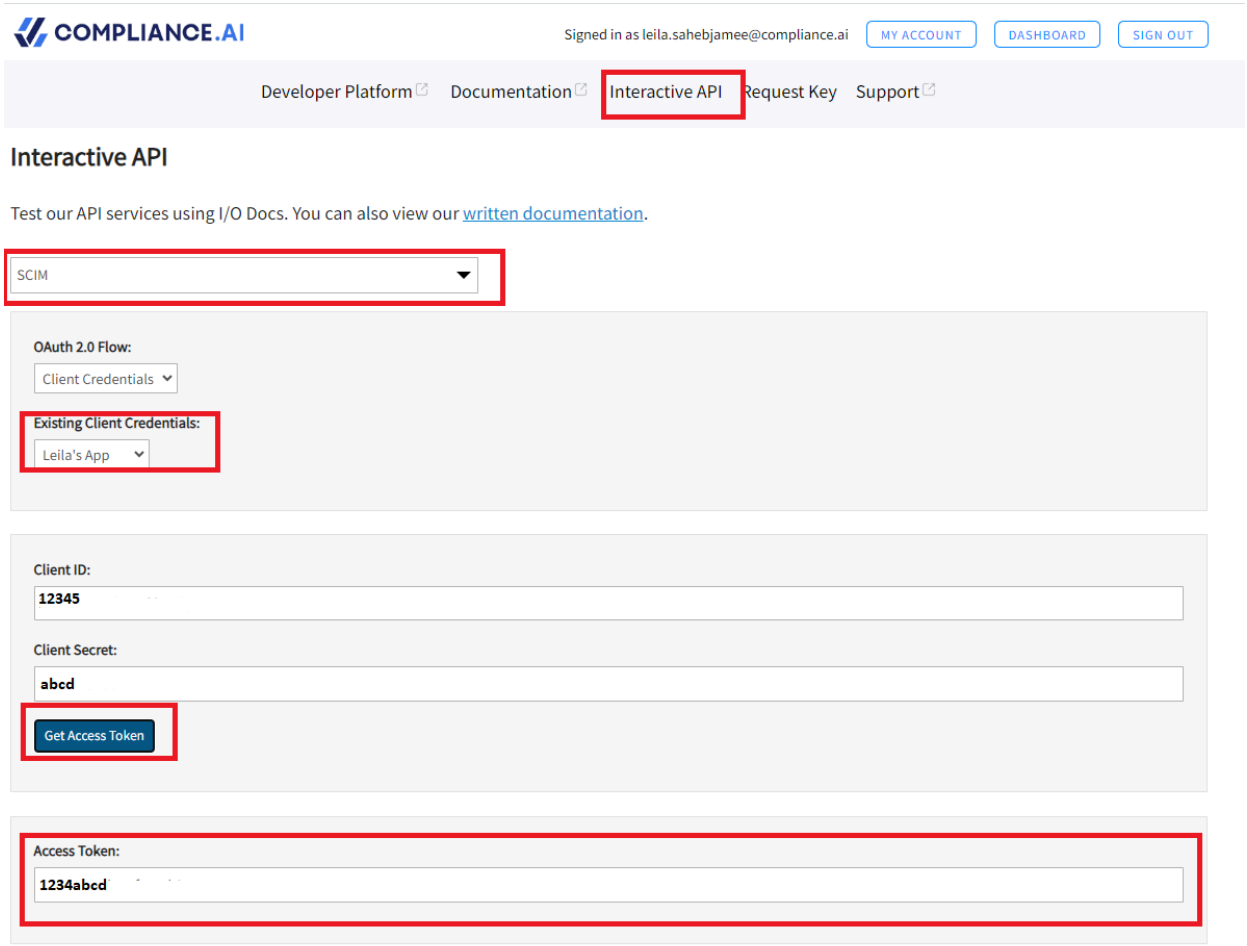
Obtaining the Access Token

To set up Compliance.ai SCIM on Azure, external users require an access token. Follow the steps below to acquire it:

1. Login to https://developer.compliance.ai/io-docs



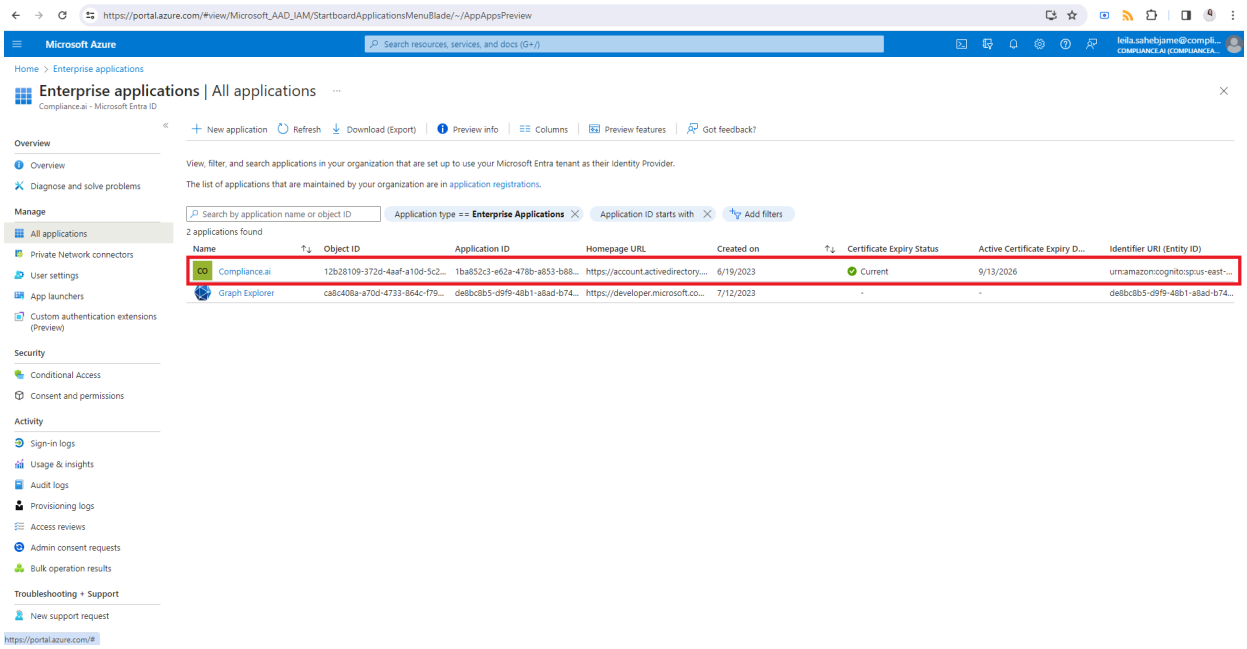
2. Navigate to the menu and select "Interactive API."
3. In the API services dropdown, choose "SCIM."
4. From the Existing Client Credentials dropdown, select the application utilizing the SCIM API.
5. Retrieve the Client ID and Secret.
6. Proceed to obtain the Access Token.
7. Copy the access token for further use.



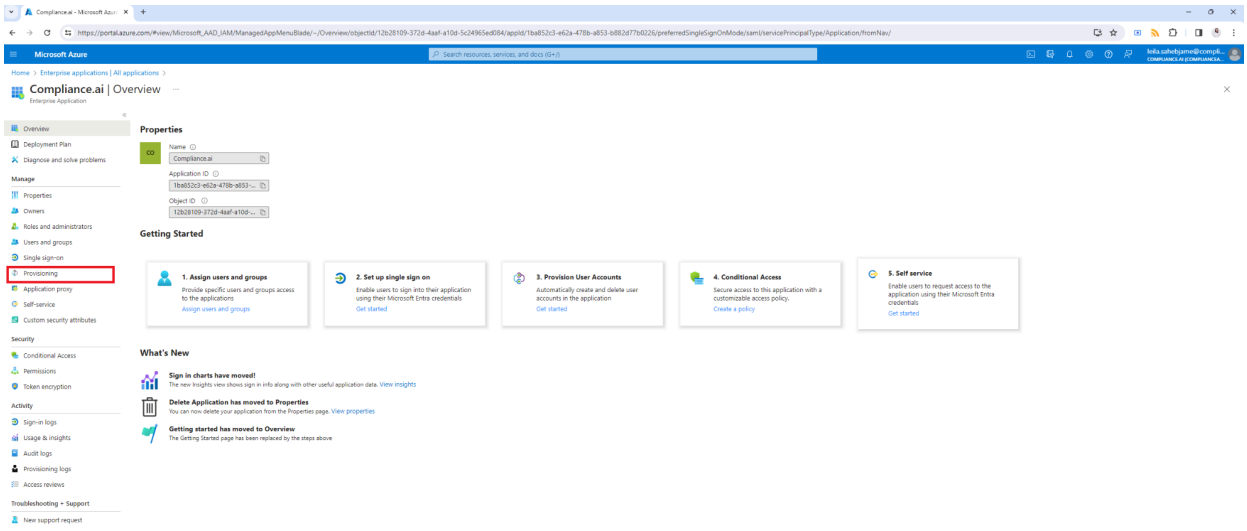
Setup Admin Credentials

Once you have registered the Compliance.ai application on Azure AD, please see here for more info, follow these steps to set up admin credentials for connecting to the Compliance.ai SCIM API:

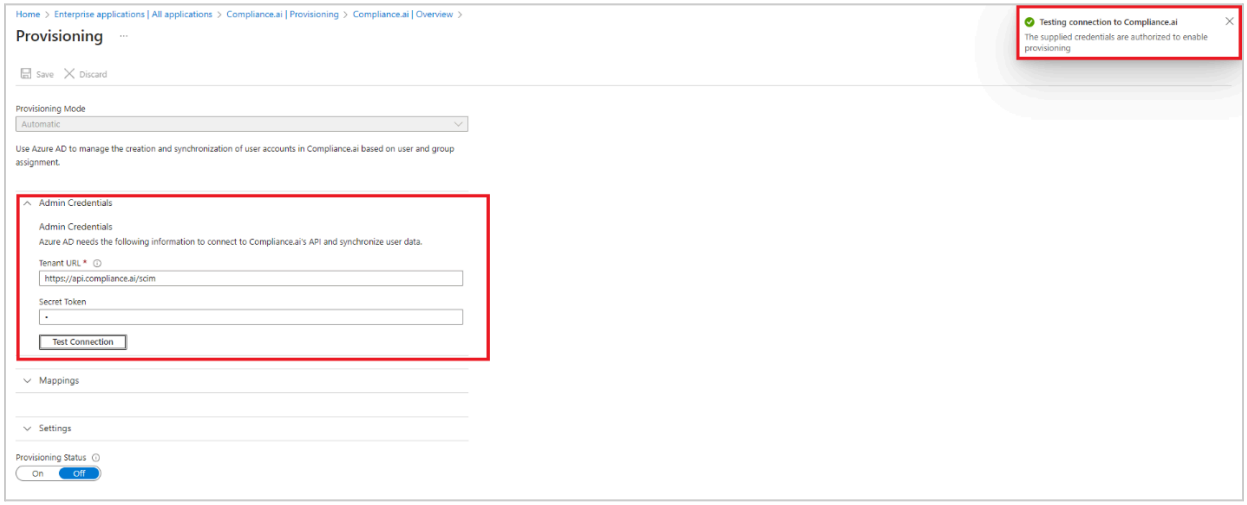
1. Go to the Azure Portal.
2. Navigate to "Enterprise Applications | All applications" and select the Compliance.ai App Application.



3. Once in "Compliance.ai Overview" from the sidebar, under the "Manage" section, choose "Provisioning."

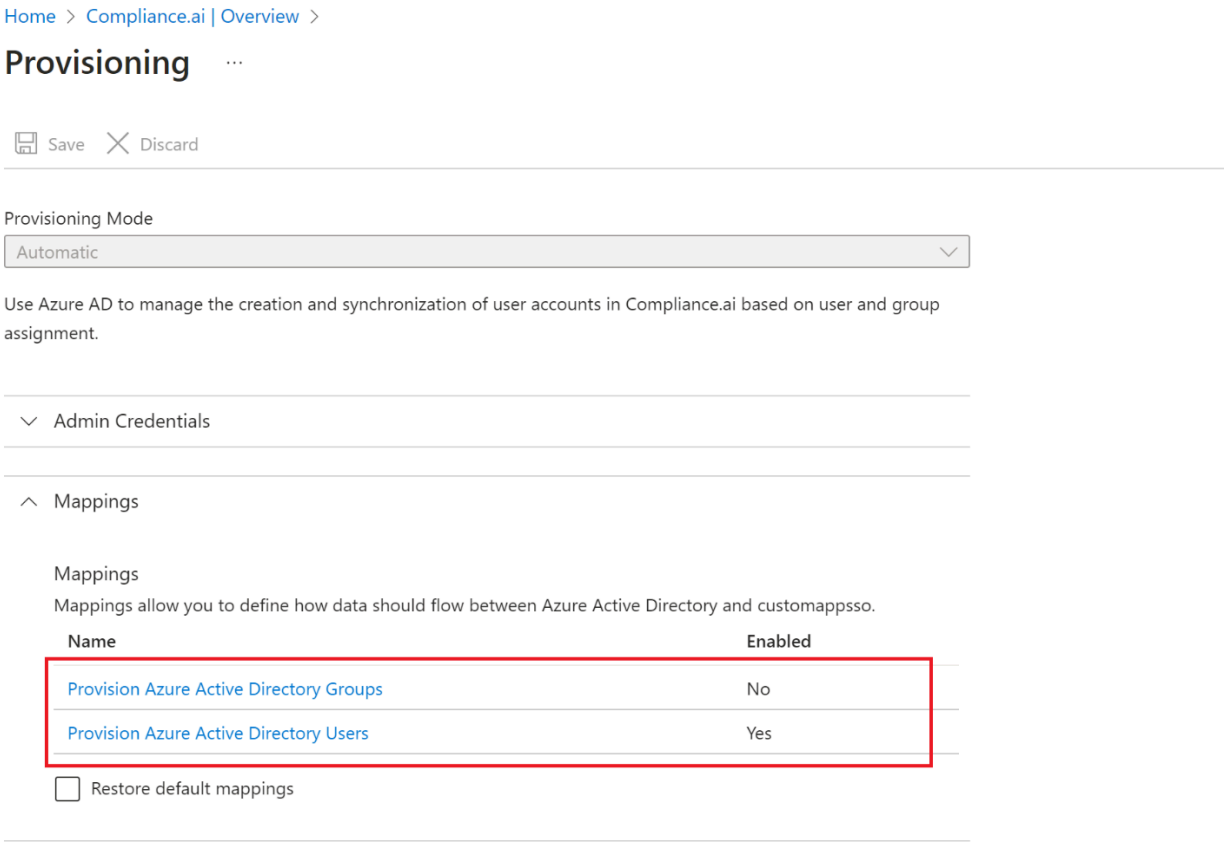


4. Select "Automatic" for Provisioning Mode.
5. Add the exact URL "https://api.compliance.ai/scim/" in the Tenant URL field.
6. **IMPORTANT**: Apply the hotfix provided by Microsoft at this point. Please refer to the following link for detailed instructions: Microsoft Hotfix
7. Paste your Access Token for the Secret Token (obtained from the previous step).
8. Test the connection to ensure it returns a successful result.



Configure Mapping

1. We support the mapping of Users, but Group Mapping is currently unavailable.
2. Start by adding one active user under "Users" to disable Group Mapping.
3. Once the user is added, disable Group Mapping by clicking on "Provision Azure Active Directory Groups."
4. Enable the Provisioning Status to finalize the configuration.



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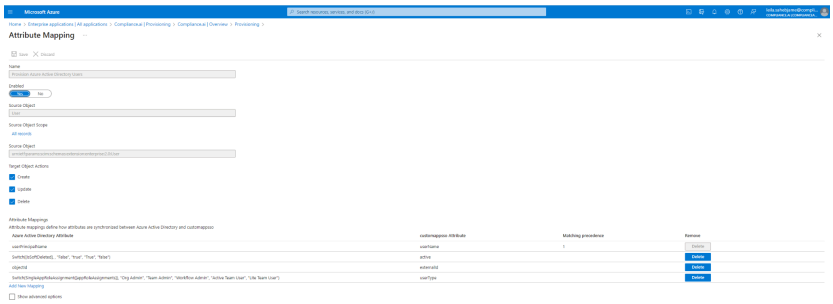
Attribute Mapping

To map Azure user attributes to Compliance.ai attributes:

1. Click on "Provision Azure Active Directory Users."
2. Set the attribute mappings according to the table below.
3. Compliance.ai supports the following user attribute mappings: Users (Create).
4. Click on "Add New Mapping."
5. Add the mappings one by one as described in the table below.
6. Click "Ok" and then "Save" to save the mappings.

Please ensure that the attribute mappings are accurately set to ensure seamless integration between Azure AD and Compliance.ai.

Attribute mappings define how attributes are synchronized between Azure Active Directory and customappsso	
Azure Active Directory Attribute	customappsso Attribute
userPrincipalName	userName
Switch([IsSoftDeleted], , "False", "true", "True", "false")	active
objectId	externalId
Switch(SingleAppRoleAssignment([appRoleAssignments]), "Lite Team User", "Admin", "Org Admin","Team Admin", "Active Team User" ,"Lite Team User", "Lite Team User") **Note:** Lite Team User is the default role when no role is assigned "Admin", "Org Admin" - Admin role in Azure is mapped to Org Admin "Team Admin", "Active Team User" - Team Admin role in Azure is mapped to Active Team User “Lite Team User", "Lite Team User" - Lite Team User role in Azure is mapped to Lite Team User	userType



Supported Roles

Currently, we support the following roles:

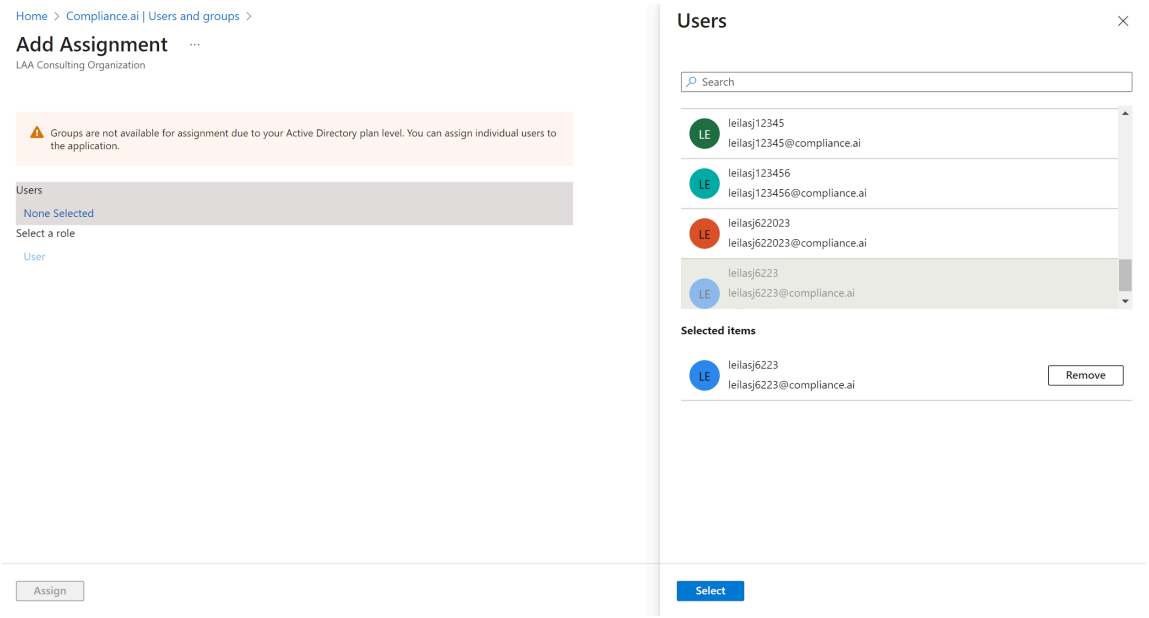
1. "Org Admin"
2. "Team Admin"
3. "Workflow Admin"
4. "Active Team User"
5. "Lite Team User"

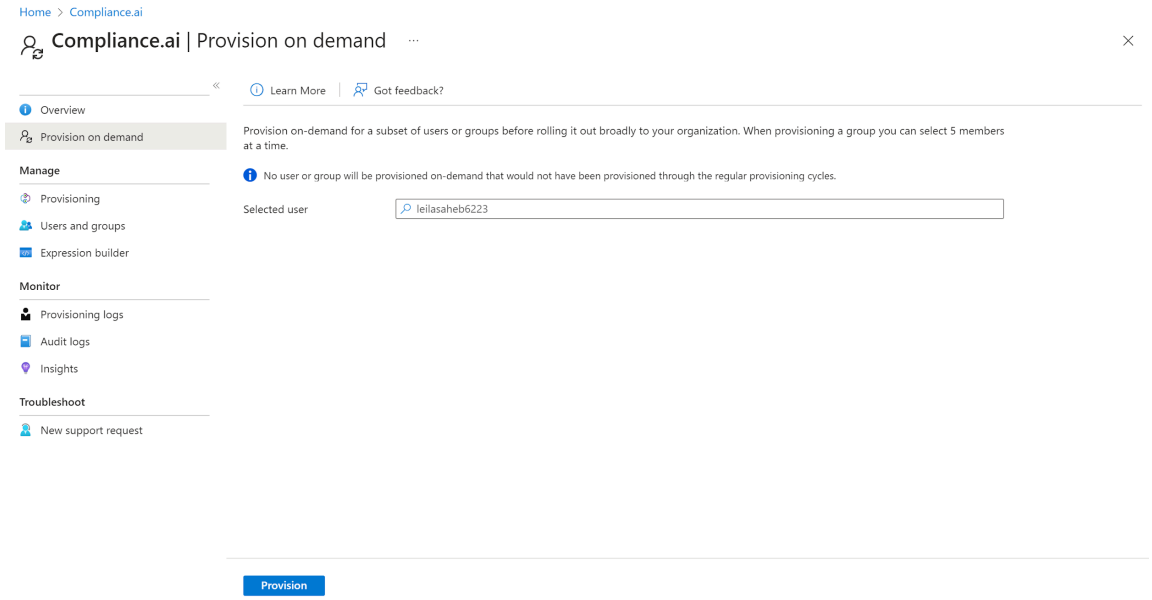
Adding Users

To add users from your Active Directory to the Compliance.ai Application, follow these steps:

1. Find the application previously created for Compliance.ai.
2. Go to "Users and groups."
3. Click on "+Add users/groups."
4. Select the Users/Groups you wish to add.
5. Choose the role for the desired user/group.
6. Click "Assign."

Note: Exercise caution to avoid provisioning the same account as a user when adding users.





Provision on demand

If the users you previously added are not syncing as part of provisioning, you can try to provision them on demand. Here's how:

1. Go to the Compliance.ai application in your Azure portal.
2. Navigate to "Provisioning."
3. Select the “Provision on demand” to provision users on demand.
4. Select the user who has not been provisioned through the regular provisioning cycles

This action should trigger the provisioning process for the users you've added, ensuring they sync correctly with the Compliance.ai application.

FAQ

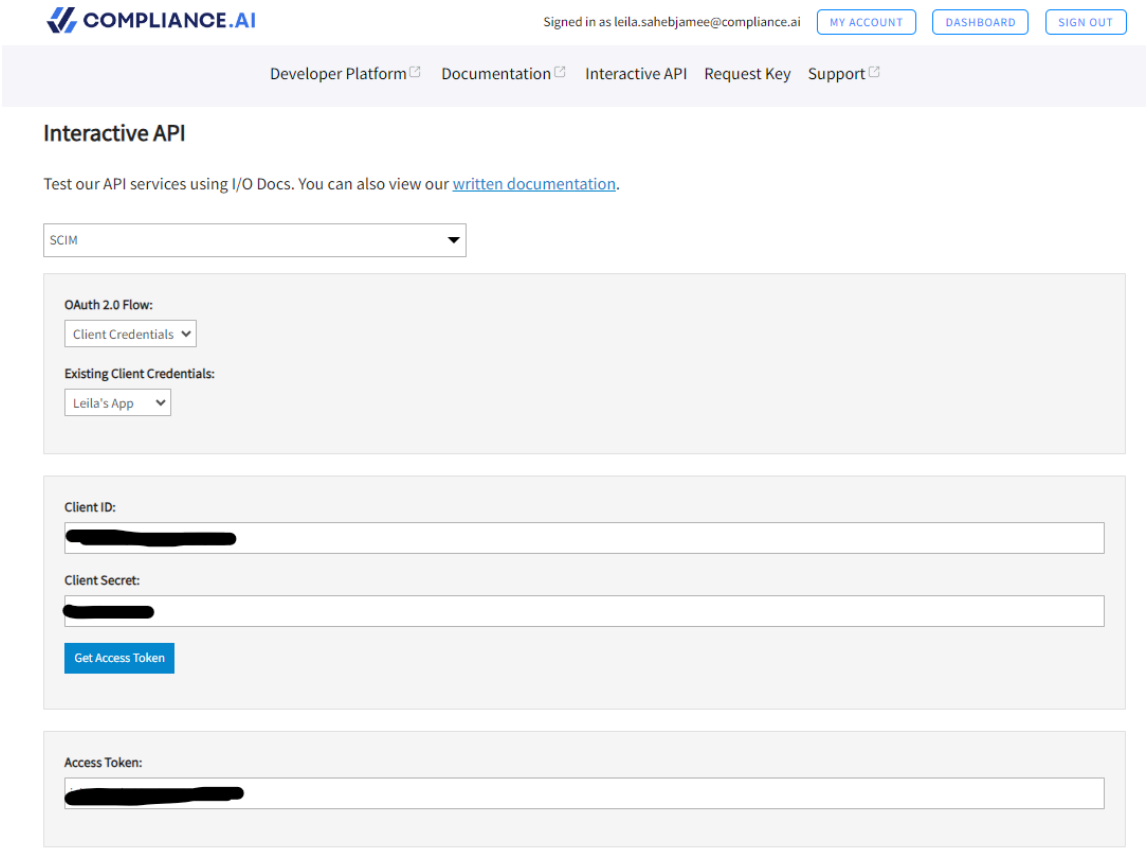
1. To confirm if a user is created on the Compliance.ai application, follow these steps:

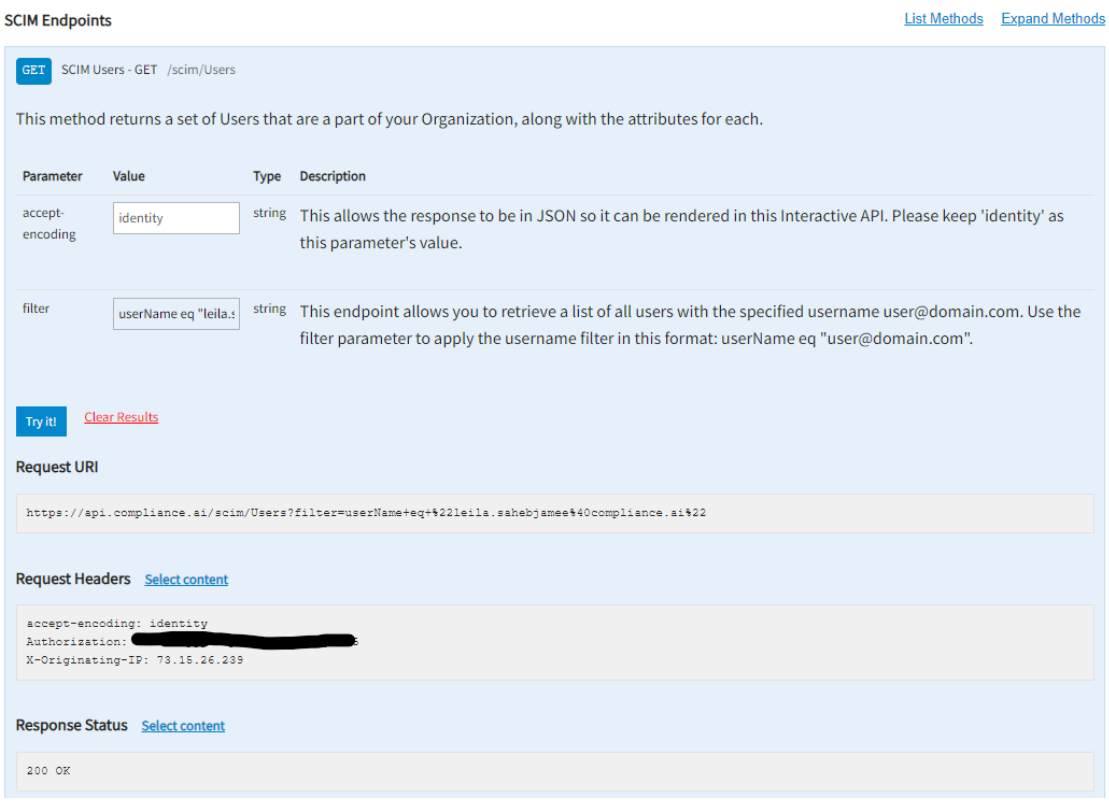
a. Login to https://developer.compliance.ai/io-docs.
b. Navigate to "Interactive API."
c. Select "SCIM API" from the dropdown menu.
d. Under "Existing Client Credentials," select your application.
e. Your Key and Client Secret should automatically be presented.
f. Click on "Get Access Token."
g. In the "GET SCIM Users - GET /scim/Users" section:
    i. Set "Accept-Encoding" to "identity."

ii. In the "filter" field, provide the value in the format: userName eq "user@domain.com", replacing "user@domain.com" with the username of the user you provisioned.

h. Click "Try It."

This action will verify if the user has been successfully created and can be accessed through the Compliance.ai SCIM API.



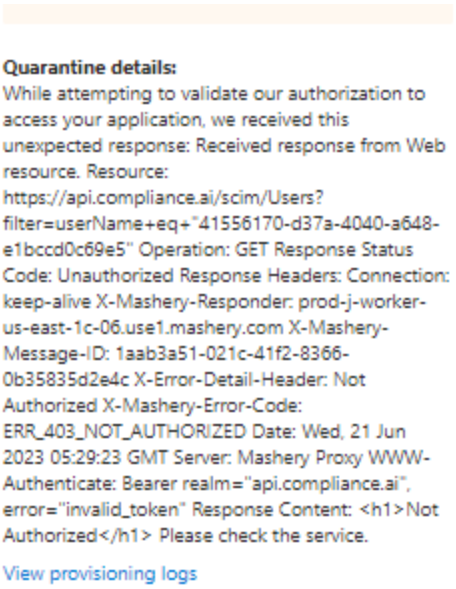


You should receive a response similar to the one below:

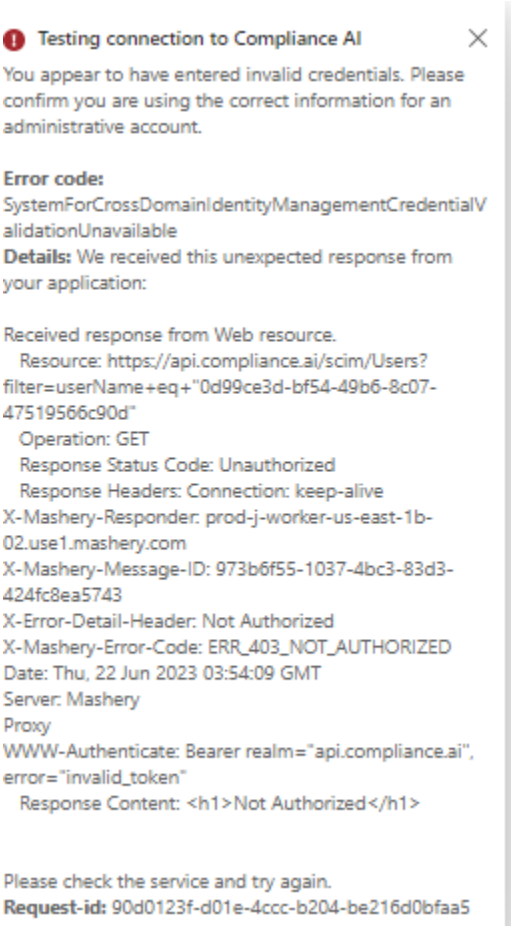

```
{
    "Resources": [{
        "active": true,
        "externalId": "",
        "id": "3749",
        "meta": {
            "created": "2023-02-27 21:45:07.157662",
            "lastModified": "2023-06-19 16:41:34.565795",
            "location": "https://api.compliance.ai/v1/Users/3749",
            "resourceType": "User"
        },
        "schemas": ["urn:ietf:params:scim:schemas:core:2.0:User"],
        "timezone": "America/Vancouver",
        "userName": "leila.sahebjamee@compliance.ai",
        "userType": "Org Admin"
    }],
    "itemsPerPage": 100,
    "schemas": ["urn:ietf:params:scim:api:messages:2.0:ListResponse"],
    "startIndex": 1,
    "totalResults": 1
}
```


2. Why does the Testing connection to Compliance.ai fail?

If you encounter the following error while provisioning a user in Azure AD, it indicates that your access token has expired. To resolve this issue, you need to generate a new access token, as explained in the Access Token section above.



If you encounter the following error while “Testing the Connection” in Azure AD, it indicates that your access token has expired. To resolve this issue, you need to generate a new access token, as explained in the Access Token section above.



3. Why is the user provisioning update not working?

This issue is a known issue within the Microsoft Azure solution. A resolution provided by Microsoft can be found in the link below:
https://learn.microsoft.com/en-us/azure/active-directory/app-provisioning/application-provisioning-config-problem-scim-compatibility#flags-to-alter-the-scim-behavior