

Oracle® Banking Microservices Architecture

Oracle Banking Cloud Services SCIM Setup



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Contents

1 User Replication from OCI IAM to SMS Module

Index

Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Acronyms and Abbreviations](#)

Purpose

The purpose of this guide is to explain how to set up OCI IAM to OBCS connectivity for user provisioning using OBCS SCIM APIs.

Audience

This guide is intended for users utilizing Oracle Banking Cloud Services who are responsible for managing the services or wish to develop Oracle Banking Cloud Services.

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Acronyms and Abbreviations

Table Acronyms and Abbreviations

Abbreviation	Description
IAM	Identity and Access Management
OBCS	Oracle Banking Cloud Services
OCI	Oracle Cloud Infrastructure
SCIM	System for Cross-domain Identity Management
SMS	Security Management System

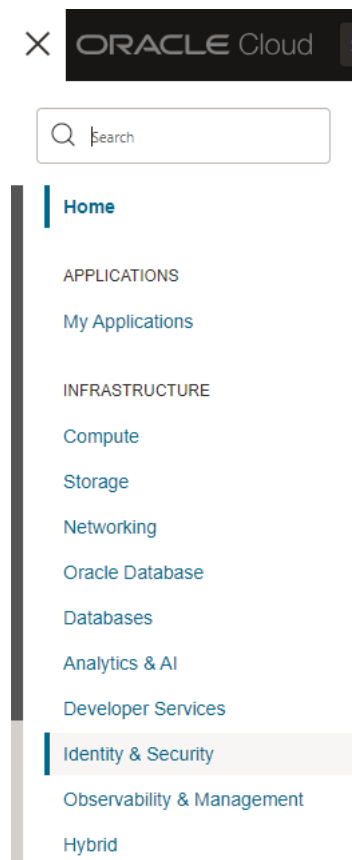
1

User Replication from OCI IAM to SMS Module

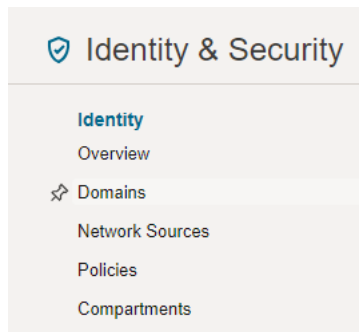
This topic provides the instruction to setup OCI IAM to OBCS connectivity for user provisioning using OBCS SCIM APIs.

1. Log in to your **OCI IAM** tenancy, and select **Identity and Security** from the **Home** menu.

Figure 1-1 Identity and Security

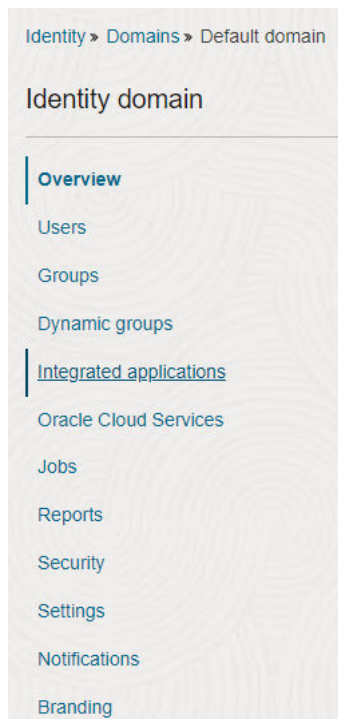


2. From **Identity and Security**, click **Domains**.

Figure 1-2 Domains

3. Click on your Domain name.

The screen below is an illustration using the name **Default Domain** as an example..

Figure 1-3 Default Domain

4. To add an application, click on **Add Application**, then select **Application Catalog**, and click on **Launch app catalog**.

Figure 1-4 Add Application

Add application [Help](#)

☒ Application Catalog

☐ SAML Application

☐ Mobile Application

☐ Confidential Application

☐ Enterprise Application

 Add an application from the Application Catalog.

Choose from a collection of partially configured application templates for popular Software as a Service (SaaS) applications, such as Amazon Web Services and Google Suite. Using the templates, you can define the application, configure SSO, and configure provisioning.

Launch app catalog [Cancel](#)

5. In the **Application Catalog** screen, search the application named **GenericScim – Bearer Token** using the search box.

The **GenericScim – Bearer Token** is displayed in the **Application Catalog** screen.

Figure 1-5 Application Catalog

Identity > Domains > Default domain > Integrated applications > Application Catalog

Application Catalog

All applications

GenericScim - Bearer Token

Type: Provisioning

Displaying 1 of 1 Apps.

All applications

- Analytics
- Benefits
- CRM
- Collaboration
- Consumer
- Content Management
- E-Commerce
- ERP
- Finance and Accounting

6. In the **Add GenericScim - Bearer Token** screen, enter the **Name** and **Description** in the appropriate fields in the **Add Application Details** section, and then click **Next** to proceed.

Figure 1-6 Add Application Details

Add GenericScim - Bearer Token

1 Add application details

2 Configure provisioning

Name

GenericScim - Bearer Token

Description *Optional*

GenericScim - Bearer Token

Application Icon 



Display settings

☐ User can request access
Select if you want to allow users to request access to the application from the Catalog.

Authentication and authorization

Define a more detailed authentication and authorization configuration.

☐ Enforce grants as authorization
Select if you want to allow access to this app only if the user has been granted this app.

 [Show advanced options](#)

Next

Cancel

7. In the **Configure Provisioning** section of the **Add GenericScim - Bearer Token** screen, toggle on **Enable Provisioning** and then click **Finish**.

Figure 1-7 Enable Provisioning

Add GenericScim - Bearer Token

1 Add application details

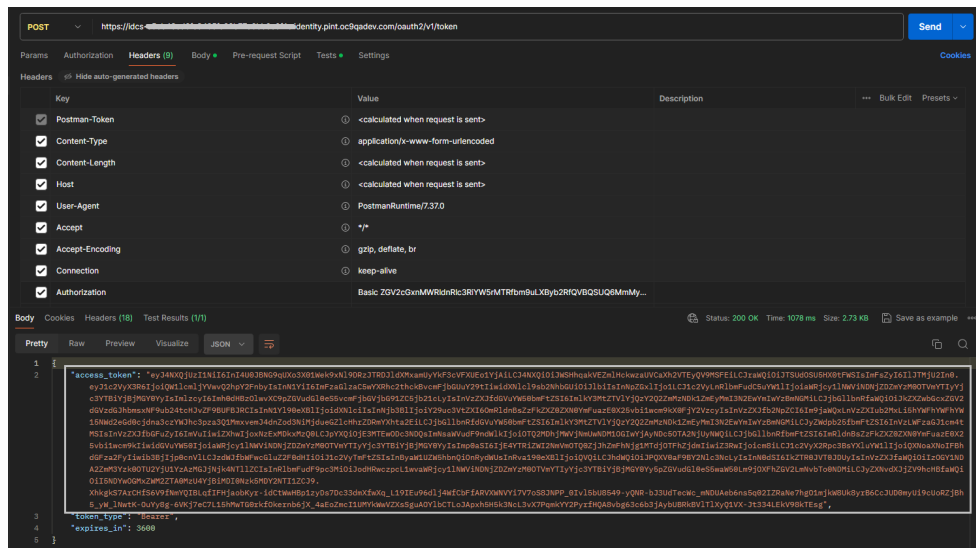
2 **Configure provisioning**

Enable provisioning ☐

[Previous](#) **Finish** [Cancel](#)

8. To generate the access token, follow the steps outlined in the *Getting Started with Oracle Banking Cloud Services* guide for invoking Service APIs. Once generated, capture the access token.

Figure 1-8 Token Generation



9. Enter the access token you have captured in the **Access Token** field, and provide the other details as indicated in the below screen. The Base URI should begin with either `/prod`, `/non-prod`, `/pre-prod`, and so on, depending on the environment you have selected for replication.

Note:

Click on **Test Connectivity** to see a message that reads **Connection successful** displayed on the top right of your screen.

Figure 1-9 Configure Connectivity

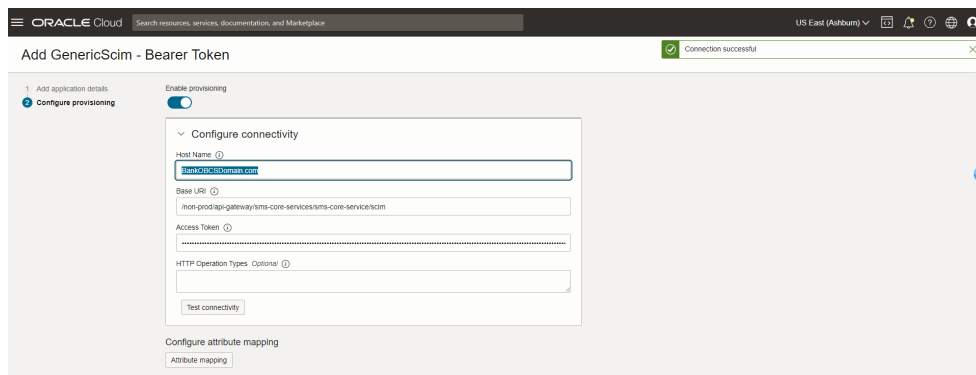


Figure 1-10 Test Connectivity**Add GenericScim - Bearer Token**

1 Add application details
2 **Configure provisioning**

Enable provisioning ☒

▼ Configure connectivity

Host Name ⓘ
BankOBCSDomain.com

Base URI ⓘ
/non-prod/api-gateway/sms-core-services/sms-core-service/scim

Access Token ⓘ
.....

HTTP Operation Types *Optional* ⓘ
.....

Test connectivity

Configure attribute mapping
Attribute mapping

▼ Select provisioning operations

☐ Authoritative sync
Enable authoritative sync to automatically create and manage users based on the data from the authoritative application. When this option is enabled, user accounts in GenericScim - Bearer Token can't be managed from an identity domain.

☒ Create an account
Create an account in GenericScim - Bearer Token when the app is granted to the user in this identity domain, either directly or via a group membership.

Previous Finish Cancel

10. Click on **Attribute Mapping** to ensure that the mapping matches the one shown in the below screen. Make any necessary changes to the mapping if needed and then click **Save Changes** to proceed.

Figure 1-11 Attribute Mapping

Attribute mapping [Help](#)

You can map identity domain attributes to attributes in your application account. In most cases the default mapping is fine as is and should not be changed.

☒ Identity domain to application ☐ Application to identity domain

User	Maps to	SMS-SCIM account
\$user.phoneNumbers[type='mobile'].value	→	mobilePhoneNumber
\$user.preferredLanguage	→	preferredLanguage
\$user.phoneNumbers[type='home'].value	→	homePhoneNumber
\$user.displayName	→	displayName
\$user.phoneNumbers[type='work'].value	→	workPhoneNumber
\$user.userName	→	name
\$user.id	→	externalid
\$user.active	→	active
\$user.locale	→	locale
\$user.um.ietf.params.scim:schemas:extension:enterprise	→	department
\$user.emails[primary=true].value	→	primaryEmail

[+ Add](#)

[Save changes](#) [Cancel](#)

11. In the **Select Provisioning Operations** screen, set the provisioning operations as shown in the below screen.

Figure 1-12 Select Provisioning Operations

▼ **Select provisioning operations**

☐ **Authoritative sync**
Enable authoritative sync to automatically create and manage users based on the data from the authoritative application. When this option is enabled, user accounts in GenericScim - Bearer Token can't be managed from an identity domain.

☒ **Create an account**
Create an account in GenericScim - Bearer Token when the app is granted to the user in this identity domain, either directly or via a group membership.

☒ **Update the account**
Update the account in GenericScim - Bearer Token when the account is updated in this identity domain.

☒ **Deactivate the account**
Deactivate the account in GenericScim - Bearer Token when the account is deactivated in this identity domain.

☒ **Delete the account**
Delete account in GenericScim - Bearer Token when the account is deleted in this identity domain.

Push the identity domain user lifecycle events to GenericScim - Bearer Token

☒ **Push user updates**
Update the GenericScim - Bearer Token account when the user in this identity domain is updated.

☒ **Push user activation/deactivation status**
Deactivate or activate the account in the GenericScim - Bearer Token when the user in this identity domain is deactivated or activated.

12. Switch to toggle on the **Enable Synchronization** option.

Figure 1-13 Enable Synchronization

Enable synchronization

☒

Application refresh

Refresh reference application data, including entitlements and permissions. This refresh doesn't initiate a sync of application users.

Refresh application data

Configure synchronization

User identifier

External ID

Application identifier

externalid

When exact match is found

Link and confirm

Maximum number of creates *Optional*

Enter a number greater than or equal to 10 to limit the number of accounts that can be created.

Maximum number of deletes *Optional*

Enter a number greater than or equal to 10 to limit the number of accounts that can be deleted.

Synchronization schedule

Every hour

13. Click on **Finish**.

The application is created.

14. Click on **Activate** in the **GenericScim - Bearer Token** screen.

The application is activated.

Figure 1-14 Inactive Application

Identity > Domains > Default domain > Integrated applications > GenericScim - Bearer Token

GenericScim - Bearer Token

[Activate](#) [Edit application](#) [Add tags](#) [Delete](#)

Application information **Tags**

Application ID: ...ef1031 [Show](#) [Copy](#)

Description: GenericScim - Bearer Token

User can request access: No

Enforce grants as authorization: Disabled

Resources

- Provisioning**
- [Import](#)
- [Users](#)
- [Groups](#)

Provisioning

[Edit provisioning](#) [Test connectivity](#) [Refresh application data](#)

Provisioning: Enabled

Synchronization: Enabled

Connectivity details

Host Name: BankOBCSDomain.com

Base URI: /non-prod/api-gateway/sms-core-services/sms-core-service/scim

Access Token: *****

HTTP Operation Types:

Figure 1-15 Activated Application

Identity » Domains » Default domain » Integrated applications » GenericScim - Bearer Token

GenericScim - Bearer Token

Deactivate Edit application Add tags Delete ⓘ

Application information Tags

Application ID: ...ef1031 [Show](#) [Copy](#)

Description: GenericScim - Bearer Token

User can request access: No

Enforce grants as authorization: Disabled

Resources

Provisioning

Import

Users

Groups

Provisioning

Edit provisioning Test connectivity Refresh application data

Provisioning: Enabled

Synchronization: Enabled

Connectivity details

Host Name: BankOBSCDomain.com

Base URI: /non-prod/api-gateway/sms-core-services/sms-core-service/scim

Access Token: *****

HTTP Operation Types:

15. Click on **Groups** under **Resources** section in the **GenericScim - Bearer Token** screen.

Figure 1-16 Assign Groups

Identity » Domains » Default domain » Integrated applications » GenericScim - Bearer Token » Groups

GenericScim - Bearer Token

Deactivate Edit application Add tags Delete ⓘ

Application information Tags

Application ID: ...ef1031 [Show](#) [Copy](#)

Description: GenericScim - Bearer Token

User can request access: No

Enforce grants as authorization: Disabled

Resources

Provisioning

Import

Users

Groups

Assign groups Revoke access

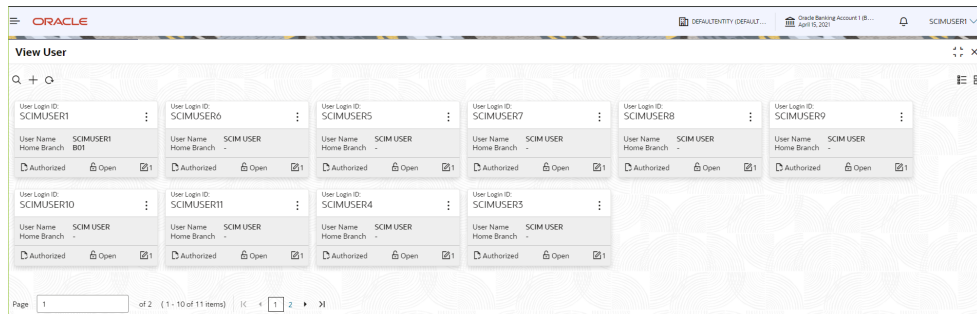
☐ Name Description

No items found.

0 selected No group to display < Page 1 >

16. Once you assign the User Groups that have been created, the users in those groups will get pushed to the OBCS SMS module.
17. User Creation on the OBCS end can be verified from the **View User** screen.

Figure 1-17 View User



18. Edit or Unlock the users that have been pushed from IAM, and specify the data into the highlighted fields.

Figure 1-18 Users Maintenance

The screenshot shows the 'Users Maintenance' interface. It displays the details for a user with Login ID 'SCIMUSER8'. The 'User Details' section includes fields for Name, Home Branch (highlighted with an orange box), Status, Start Date, End Date, and Manager ID. The 'Other Details' section includes fields for Access to PII, Staff Customer Restriction Required, Customer ID, Email ID, Telephone Number, Home Phone Number, Mobile Number, Fax, and Language Code (highlighted with an orange box). The 'Home Branch' and 'Language Code' fields are marked as 'Required'.

19. Add User Role Branches and User Applications.

Figure 1-19 User Role Branches and Applications

The screenshot shows the 'User Role Branches' and 'User Applications' sections. The 'User Role Branches' section has a table with columns for Branch Code, Role Code, and Role Description. The 'User Applications' section has a table with columns for Application Name and Application Description. Both sections include a 'No data to display' message and a pagination control showing 'Page 1 of 0 of 0 items'.

Index

U

User Replication from OCI IAM to SMS Module,
[1-1](#)