Oracle® Banking Enterprise Default Management

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Contents

Preface	10
Audience	10
Documentation Accessibility	
Organization of the Guide	10
Related Documents	11
Conventions	11
1 About this Guide	13
2 Introduction	15
3 Configuration	17
3.1 Prerequisites for OIM Configuration	17
3.2 Create System User	17
3.3 OIM Configuration	18
3.3.1 Import Configuration	18
3.3.2 Manage Generic Technology Connector	21
3.3.3 Create and Activate Sandbox	26
3.3.3.1 Create Sandbox	27
3.3.3.2 Activate Sandbox	
3.3.3.3 Deactivate Sandbox	
3.3.3.4 Publish Sandbox	
3.3.4 Create Form Associated with Application Instance	31
3.3.5 Create Access Policy and Role	
3.3.5.1 Create Access Policy	
3.3.5.2 Creating Roles	
3.4 DB Based Configuration	

3.4.1 DB Based Policy Configuration	49
3.4.2 Role Based Local Menu Configuration	54
3.4.3 Database Identity Store Provider (Both Middleware and UI server)	55
4 User Fields and Constraints	71
4.1 User Fields Provisioned From OIM	71
5 Create, Modify, Delete Users using OIM	73
5.1 Create and Provision Users	73
5.2 Feature Configurations	76
5.3 Modify Users	77
5.4 Delete Users	81
6 Create, Modify, Delete Users using DB Based Configurations	83
6.1 Create and Provision Users	83
7 Verification	87
7.1 Verification of OIM Configuration	87
7.2 Verify Users in Native Collections Admin Application	88
7.3 Create Users in Collections Admin Application	90

List of Tables

Table 3–1 Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User Provisioning Artifacts	18
Table 3–2 Run Time Connector Parameters	.23
Table 3–3 Create Sandbox Parameters	28
Table 4–1 User Fields	71
Table 5–1 OID schema attributes	87

List of Figures

Figure 3–1 Oracle Identity System Administration - Import Configuration Screen	ı19
Figure 3–2 Browse the file to be imported	19
Figure 3–3 Import Options	20
Figure 3–4 Summary of the import	20
Figure 3–5 Successful Import Message	21
Figure 3–6 Generic Connector	21
Figure 3–7 Search Connectors	22
Figure 3–8 Edit Connector Parameters	22
Figure 3–9 Specify parameter values	23
Figure 3–10 Modify Connector Configuration (Mapping Information)	24
Figure 3–11 Edit Mapping Information	24
Figure 3–12 Provide Mapping Information	25
Figure 3–13 Verify Connector Information	25
Figure 3–14 Successful Configuration Message	26
Figure 3–15 Oracle Identity System Administration - Sandbox tab	27
Figure 3–16 Create Sandbox Dialog Box and Parameters	27
Figure 3–17 Sandbox Creation Confirmation	28
Figure 3–18 Available Sandbox	29
Figure 3–19 Activated Sandbox	29
Figure 3–20 Deactivate Sandbox	
Figure 3–21 Publish Sandbox	30
Figure 3–22 Published Sandbox	30
Figure 3–23 Create Form - Form Designer	31
Figure 3–24 Create Form - Resource Type	31

Figure 3–25 Create Form - Resource Type (COLL_CONNECTOR_GTC)	. 32
Figure 3–26 Create Form Resource Type - Available Form Fields	.32
Figure 3–27 Search Form	.33
Figure 3–28 Manage Collections User Form	.33
Figure 3–29 Manage Form	. 34
Figure 3–30 Manage Child Objects form fields	.34
Figure 3–31 Set default values for field- userGroup	35
Figure 3–32 Set default value for field- expirationDate	35
Figure 3–33 Search Application Instances and select COLL_CONNECTOR_GTC	.36
Figure 3–34 Application Instance Attributes	.37
Figure 3–35 Associate Form with Application instance	37
Figure 3–36 Success message	.38
Figure 3–37 Identity Self Service – Manage tab	39
Figure 3–38 Access Policies	39
Figure 3–39 Create Access Policy	40
Figure 3–40 Access Policy details	.40
Figure 3–41 Add application instance associated with access policy	.41
Figure 3–42 Search Access Policy	.41
Figure 3–43 Provisioned applications for the policy	. 42
Figure 3–44 Application Attributes	.43
Figure 3–45 Oracle Identity Self Service- Roles Tab	.44
Figure 3–46 Create Role	.45
Figure 3–47 Create Role	.46
Figure 3–48 Add Access Policy to the role	46
Figure 3–49 Add Access Policy to the role	.47
Figure 3–50 Create Membership Rule	47

Figure 3–51 Build Membership Rule Expression	48
Figure 3–52 Build Membership Rule Expression	49
Figure 3–53 FLX_SM_LOCAL_USERS	50
Figure 3–54 FLX_SM_LOCAL_ENT_ROLE	50
Figure 3–55 FLX_SM_LOCAL_APP_ROLES	51
Figure 3–56 FLX_SM_LOCAL_ENT_APP_LNK	51
Figure 3–57 FLX_SM_LOCAL_USR_ENT_ROLES	52
Figure 3–58 FLX_SM_LOCAL_RESOURCES	52
Figure 3–59 FLX_SM_LOCAL_POLICY_ENTRY	53
Figure 3–60 FLX_SM_LOCAL_RES_POENT_LNK	
Figure 3–61 Configuration for DB Menu	54
Figure 3–62 Configuration for Role Based Menu	55
Figure 3–63 Create Authentication Provider	56
Figure 3–64 Provider Specific Settings	
Figure 3–65 Common Settings	58
Figure 3–66 Service Provider Configuration	61
Figure 3–67 Identifying Store Provider for Configuration	62
Figure 3–68 Adding Custom Property Virtualize with value True	62
Figure 3–69 Users and Groups	67
Figure 3–70 Selecting from Users	68
Figure 3–71 Selecting from Roles	68
Figure 3–72 Selecting from Groupmembers	69
Figure 4–1 Create User - Mandatory and Optional Attributes	72
Figure 4–2 Create User in Oracle Identity Self Service	73
Figure 4–3 Input User Attributes	74
Figure 4–4 Search and select the added User	75

Figure 4–5 Applications provisioned to User	76
Figure 4–6 Feature Configuration	77
Figure 4–7 Searching User	77
Figure 4–8 Detailed Information about the User	78
Figure 4–9 Modify User Confirmation	79
Figure 4–10 Viewing Modified and Provisioned User Details	79
Figure 4–11 Modify Detail Information	80
Figure 4–12 Edit Detail Information	80
Figure 4–13 Viewing Changes	81
Figure 4–14 Searching Users To Delete	82
Figure 4–15 View User Details	82
Figure 4–16 Define Application Role (Fast Path: SM002)	83
Figure 4–17 Define Enterprise Role (Fast Path: SM003)	84
Figure 4–18 Manage User Creation (Fast Path: SM004)	84
Figure 4–19 Policy Management (Fast Path: SM502)	85
Figure 5–1 Viewing IT Resource Details and Parameters	87
Figure 5–2 Login screen	88
Figure 5–3 User Screen - User Navigation	88
Figure 5–4 User Screen - Main Tab	
Figure 5–5 Searching Particular User	
Figure 5–6 Search Result in User screen	90
Figure 5–7 Login screen	90
Figure 5–8 User Navigation	91
Figure 5–9 User Screen - Main Tab	91
Figure 5–10 User Screen	

Preface

This document covers the functional flow and detailed configuration required for provisioning users in Collections using OIM or DB based configuration. OIM Reconciliation and Schedule jobs are not in scope.

This preface contains the following topics:

- Audience
- Documentation Accessibility
- Organization of the Guide
- Related Documents
- Conventions

Audience

This document is intended for the following:

- IT Deployment Team
- Consulting Staff
- Administrators

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Organization of the Guide

This document contains:

Chapter 1 About this Guide

This chapter provides details about the applicability of this guide.

Chapter 2 Introduction

This chapter presents an overview of user provisioning.

Chapter 3 Configuration

This chapter provides information on configuring OIM and DB for user provisioning.

Chapter 4 User Fields and Constraints

This chapter provides information on the user provisioning fields and related constraints.

Chapter 5 Create, Modify, Delete Users using OIM

This chapter provides information on user provisioning activities using OIM.

Chapter 6 Create, Modify, Delete Users using DB Based Configurations

This chapter provides information on user provisioning activities using DB based configurations.

Chapter 7 Verification

This chapter provides information on verification of OIM configuration performed.

Related Documents

For more information, see the following documentation:

• For information on the configuration that should be performed on day zero, see the Oracle Banking Enterprise Default Management Day Zero Setup Guide.

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.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

12 | Oracle Banking Enterprise Default Management User Provisioning Guide

1 About this Guide

This guide is applicable for the following products:

- Oracle Banking Platform (Oracle Banking Collections and Oracle Banking Recovery)
- Oracle Banking Enterprise Default Management (Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery)

References to Oracle Banking Platform or OBP in this guide apply to all the above mentioned products.

14 | Oracle Banking Enterprise Default Management User Provisioning Guide

2 Introduction

In Oracle Banking Platform (OBP), users are maintained in a centralized repository, either in Oracle Internet Directory (OID) or in DB based repository. This repository is used for authentication and authorization purpose.

Oracle Banking Enterprise Collections module has its own authentication and authorization process. Users configured in the OBP require access to some of the services of Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery. To access those services, user must be present in the Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery database. Hence, the user provisioned in OBP is required to be provisioned in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery module as soon as it is created in OBP. A typical Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery request flow from online OBP user is authenticated and authorized by the OBP framework and is forwarded to the Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery uses the user detail to create context to fetch underline service to serve the request.

Users are provisioned in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery when they are created in OBP.

16 | Oracle Banking Enterprise Default Management User Provisioning Guide

3 Configuration

This chapter details the configuration required for Oracle Identity Manager (OIM) and DB.

3.1 Prerequisites for OIM Configuration

Following is the list of prerequisites for configuring OIM:

- 1. You must install the following software:
 - Weblogic Server 12.2.1.4.0
 - SOA Suite 12.2.1.4.0
 - IAM Suite 12.2.1.4
 - RCU 12.2.1.4
- 2. You must have administrative access to the following:
 - Oracle Identity System Administration http://<Host>:<Port>/sysadmin/
 - Oracle Identity Self Service http://<Host>:<Port>/identity/
 - Oracle Directory Services Manager (ODSM). For more information, see Chapter 7.1 Verification of OIM Configuration.
- 3. URL of OID to which OIM is synchronized is known. Also, must have administrative access to ODSM to connect OID.
- 4. Check following artifacts are available as part of Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery release bundle:
 - collections_oim_export.xml

3.2 Create System User

The following configuration is to create Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery System User for OIM. System User is required to authenticate OIM Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery user provisioning request at OBP server.

Note

It is assumed OBP default User and Role (Application Role Enterprise Role) configuration is already seeded in OID.

- 1. Create user with User ID **OIMOBPCOLL** using ODSM. Provide necessary User attributes.
- 2. Assign enterprise Role Administrators to User.
- Create same user in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery using native Collections Admin Application UI. Assign CLNHOSTUSER Group to User, to provide minimum access of native admin screen. For more information, see Section 7.3 Create Users in Collections Admin Application

3.3 OIM Configuration

This section provides information on OIM Configuration.

3.3.1 Import Configuration

Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery connector configuration for User Provisioning must be imported. Below is the list of artifacts developed for Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User Provisioning.

 Table 3–1 Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User Provisioning

 Artifacts

Artifact	Artifact Type	Description
COLL_CONNECTTOR_GTC	IT Resource Definition	It stores definition of connection parameters to connect Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery system.
Xellerate Users	Organization	
adpCOLL_CONNECTOR_GTC_ AUTOC	Event Handler	
adpCOLL_CONNECTOR_GTC	Event Handler	
UD_ORMBCONN	Form	
UD_ORMUSERG	Form	
COLL_CONNECTOR	Generic Connector	

Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery configuration can be imported in OIM by using Oracle Identity System Administration.

- 1. Log in to Oracle Identity System Administration.
- 2. In the left pane, under System Management, click Import.

- Identify System Administration		1	C	1111			
ORACLE. Identity System Administration	I	Accessibility	Sandboxes	Help S	ign Out x	celsysadm	
Policies Approval Policies	Application Instances × COLL_CONNECTOR_GTC × A Import ×						
Provisioning Configuration Reconciliation	Import Configuration						
Form Designer T Resource C Resource Application Instances Resource Consector Resource Consector	Click on browse button to select xml file and press next. File To be Imported Browse Click on browse button to select xml file and press next. Cancel Next > Cancel Next >						
▲ System Entities User Ogen Galaton Galaton							
A System Configuration Configuration Palicy Set Service Capabilities Configuration Co	8						
Image: Scheduler ▲ Notification							
Upgrade Upgrade User Form Upgrade Role Form Supgrade Role Form Supgrade Role Form Upgrade Application Instances							
Copyright © 2001, 2017, Oracle and/or its affiliates. All rights reserv	ed					About	

Figure 3–1 Oracle Identity System Administration - Import Configuration Screen

3. Click **Browse** to import the configuration xml file and click **Next**.

Figure 3–2 Browse the file to be imported

Import Co	onfiguration						
Click on browse buttor	n to select yml file and press peyt	< Back	Search	Import Options	Summary	Cancel	Next >
cher on promoc partor	reo select ann me ana press nexa						
File To be Imported	C:\fakepath\COLLCONNECTOR.xml	Browse					

Figure 3–3 Import Options

Manage Connector A system Entities User User User Organization Ø Role Catalog Catalog	>		
✓ System Entities to User Sorganization Sole Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog	>		
Select a value for Import ontions and click pext			
> system comparation B Home Organization Policy User References Keep Original ▼ Self Service Capabilities Role References Keep Original ▼ B Lokupis If Object Exists Override ▼ B Role Categories If Object Exists Override ▼ S Scheduler If Object Exists Override ▼ A Notification If Object Exists If Object Exists Import If Object Exists If Object Exists Import Import Import If Upgrade Import Import If Upgrade User Form Import Import If Upgrade Organization Form Import Import If Upgrade Organization Form Import Import If Upgrade Organization Form Import Import If Upgrade Application Instances Import Import Import Import Import Import If Upgrade Organization Form Import Import Import Import Import Import Import Import Import Import Import Import Imp			

4. Click Next.

Figure 3–4 Summary of the import

65	App	loation Instances x				
oval Policies						
sioning Configuration noliation Designer issource iris Connector		# File Preview File Name : COLLCONNECTOR.xml Description : Exported By : XELSYSADM Export Date : Two Cxt 31 2017 1119:12 GMT+0530 (ind Export Nether Namion : 11132.0	a Standard Time)			
ation Instances		Liport deliny version 11112300				
e Connector		✓ Selected Entities				
Entities		Entity Name		Type		
ation				T. Baraurra Dafialtion		
		Colliconnectorgate				
		xelerate Users		Organization		
Configuration		adpCOLL_CONNECTOR_GTC_AUTOC		Event Handler		
rganization Policy		adpCOLL_CONNECTOR_GTC		Event Handler		
voe Capacities		UD_ORMBCONN		Form		
tegories		UD_ORMUSERG		Form		
er -		COLL_CONNECTOR		Generic Connector		
on		com.thortech.xl.dataobj.tcUD_ORMUSERG		Data Object Definition	1	
ation Properties		com.thortech.xl.dataobj.tcUD_ORMBCONN		Data Object Definition	1	
		ApplicationInstance40		Entity Publication		
e User Form		Page 1 of 1 (1-10 of 10 items) K < 1				
e Role Form		⊿ Import Options				
le Organization Form						
e Application Instances		Name			Value	
5		User References	Keep Original			
		Role References	Keep Original			
		If Object Exists	Override			

- 5. Click Import.
- 6. On successful import of data, File has been imported successfully message will be displayed.

ORACLE Identity System Administration	Accessibility Sandboxes Help Sign Out	xelsysadm
Manage Connector	de Import ×	
✓ System Entities み User & Organization	File has been imported successfully.	×
🔯 Role	Import Configuration	
System Configuration Tolicy Streme Organization Policy Streme Organization Policy Configuration Strenduler Configuration Properties Configuration Properties Configuration Properties Configuration C	Search Import Summary Options Click on browse button to select xml file and press next. File To be Imported Browse	
Upgrade Upgrade User Form Upgrade User Form Upgrade Role Form Upgrade Role Form Upgrade Application Instances Workflows Approval		
Copyright © 2001, 2017, Oracle and/or its affiliates. All rights reserved		About

Figure 3–5 Successful Import Message

3.3.2 Manage Generic Technology Connector

Following Run-Time Parameters need to be set.

1. In the left pane, click **Generic Connector**. Following window appears.

4 Policine	*			
Approval Policies		Snarify Darameter Values - Groote Chrome		
A Provisioning Configuration @, Procoutism Fram Desprer @ Greek Convector @ Greek Convector @ Anapoe Convector @ Manapoe Convector & System Entities @ User @ Operation @ Operation % Price		Wordy relameter Values: Codegie Uniter Control Control		
Colorg System Configuration Software Completione Party Software Comparison Software Software Configuration Properties Software Configuration Properties Software	В			
Upgrade Upgrade User Form Upgrade Role Form Upgrade Role Form Upgrade Organization Form Tell Upgrade Acclusion Instances	Ţ			

Figure 3–6 Generic Connector

2. Click Search Connectors and click COLL_CONNECTOR.

Figure 3–7 Search Connectors

Specify Parameter Values	- Google Chrome		* 100 Tel	
(i) Not secure 10.180	.26.128:14600/xIWebAj	pp/ManageConnector.do)	Q
Manage Connectors Enter connector search criteria Connector Name Transport Provider (Provisionir Format Provider (Provisionirg) Transport Provider (Reconcilial	()	v v		
Format Provider (Reconciliation Search Connectors Crea	n) Clear	•		
Results 1-5 of 5	Fi	irst Previous Next Last		
Connector Name	Transport Provider (Provisioning)	Format Provider (Provisioning)	Transport Provider (Reconciliation)	Format Provider (Reconciliation)
COLLCONNECTOR	Web Services	SPML	(Incentional Internet)	(Reconcination)
ORMBCONNECTOR	Web Services	SPML		
PRIYANKACONNECTOR	Web Services	SPML		
COLLECTIONCONNECTOR	Web Services	SPML		
COLL_CONNECTOR	Web Services	SPML		
First Previous Next Last				
javascript:getEntityDetails('Ma	anageConnector.d			

3. Click Edit Parameters.

Figure 3–8 Edit Connector Parameters

🕒 Specify Parameter Values - G	oogle Chrome	
③ Not secure 10.180.26	5.128:14600/xIWebApp/ManageConnector.do	Q
Connector Details This is detailed information about t	the connector.	
Connector Name	COLL_CONNECTOR	
Transport Provider (Provisioning)	Web Services	
Format Provider (Provisioning)	SPML	
Transport Provider (Reconciliation))	
Format Provider (Reconciliation)		
Edit Parameters Exit		
Back To Search Results		

4. Specify parameter values as shown below:

Parameter Name	Parameter Value	Description		
Web Services				
Web Service URL	http:// <host>:<port>/com.ofss.fc.channel.branch/spml2</port></host>	This is the URL for the Web service receptor.		
SPML				
Target ID	OUAF	ID of the target system for provisioning operations.		
User Name (authentication)	SYSUSER	User name required for authentication by the Web service.		
User Password (authentication)	sysuser00	Password required for authentication by the target Web service.		

Table 3–2 Run Time Connector Parameters

Figure 3–9 Specify parameter values



5. Click **Continue**. Modify Connector configuration screen appears.



Figure 3–10 Modify Connector Configuration (Mapping Information)

6. Click the Edit icon for User field name in the provisioning staging column.

Figure 3–11 Edit Mapping Information

Ceneric Technology Connector - Google Chrome		
O Not secure 10.180.26.128:14600/xIWebApp/gc/ConnectorImagePopUpTiles.jsp#		Q
Step 3: Modify Connector Configura Modify Generic Technology C	onnector - Google Chrome Close	
① Not secure 10.180.26.	128:14600/xlWebApp/ModifyConnect Q ging	
Modify Generic Technology Con	artor a const	
Step 1: Provide Field Inform * Indicates Required Field	ation	
Dataset Provisioning 5	taging junt	
Field Name user Field Name user	ing Without Transformation T	
Matching Only Not Applicable Case-Insensitive Not Applicable		
Exit Continue >>		
-		
Husersgerroutern		
Password Job Code	expirationDate	
Office Name		
Role Summary Ris		
Has High Hisk Ho. Entitlement Summ		
End Date		
Middle Name		
Password Cannot Deprovisioning D.		
Start Date		
Provisioning Date		
Password Expire Password Must Ch		
Display Name		

7. Click **Continue** to provide mapping information for the User field name. Select the **Literal** radio button and keep the input blank.

Generic Technology Connector - Google Chrome	_ 0 %
Not secure 10.180.26.128:14600/xIWebApp/gc/ConnectorImagePopUpTiles.jsp#	Q
Step 3: Modify Connector Configura	
Not secure 10.180.261.28.14600/dWebApp/ModifyConnect. Minimum Provide Repring Information Test Normal Provide Repring Information Test Normal Provide Reprint Provide Reprind Provide Reprint Provide Reprint Provide Reprint Provide Reprint	

Figure 3–12 Provide Mapping Information

8. Click **Continue** and then **Close**. Following window appears where Connector Information can be verified.

Figure 3–13 Verify Connector Information

Not secure 10.180.26.128:14600/xIWebAp	1234	tor.do		
Step 5: Verify Connector Information				
rovide Basic Information Name Transport Provider	Provisioning	COLL_CONNECTOR Web Services	View	
Web Service URL Target ID User Name (authentication) User Name (authentication) Web Service SOAP Action Web Service SOAP Action Western Authentication Ordentials Name Custom Element to Store Jassword SPML Web Service Target Namesage SPML Web Service Operation Name SPML Web Service Operation Name	se? space nt f or RPC) e refix hip Information	http://10.180.26.230:8001/com.ofss.fc.channel.branch OUAF SYSUSER Yes http://xmlns.oracle.com/OIM/provisioning DOCLMENT sOAPElement http://xmlns.oracle.com/OIM/provisioning	Chanos (spm12	
Connector Configuration		, <u>,,,,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Change	

9. Click Save.

Following message window appears on successful configuration of run time parameters.

Figure 3–14 Successful Configuration Message



3.3.3 Create and Activate Sandbox

Following is the configuration to create, activate, deactivate, and publish sandbox.

1. Click Sandboxes.

Manage Sandboxes page is displayed.

- 🖬 N	Manage San	dboxes ×										ĺ
Policies												
Ava Ava	ilable Sand	boxes Published S	Sandboxes									
ation	Sandboxe To custom	allow you to isolate ze create and/or act	and experiment with custo ivate a sandbox. After cust	mizations without a omizations are con	affecting other users environ mplete you can publish the sa	ments. ndbox to make the customizat	ions available to other users					
signer Vie	w * [Create Sandbox	💥 Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	🕸 Publish Sandbox	Export Sandbox	📥 Import San	dbox 🎍	Bulk Publish	🔐 Detach
rce	Sandb	x	Description							Active	Last Modified	Last Modified
Connector	data to disp	av.									UII	ву
on Instances												
Connector												
Intition												
liuues												
tion												
tion												
tion												
fion												
Configuration												
Configuration												
Configuration Example of Capabilities												
Configuration												
Ion Configuration garaction Policy toc Cipabilities reportes												
ton Configuration gancation Policy on Capabilities agarties a												
configuration gardention Policy gardention Polic												
tion Configuration generation Policy toce Capabilities aportes or an ation Properties												
ton Configuration generation Policy ec Capabilities regardes re an inton Properties												
ton Configuration genication Policy tee Capabilities regarises r an an ano Properties												
tion Configuration generation Policy toc Capabilities sportes r an aton Properties												
ton Configuration generation Policy toce Capabilities rgories r r an User Form												
ton Configuration gantzation Policy on Capabilities agarties « an ation Proporties User Form Role Form												
ton Configuration genication Policy tee Capabilities re an an antion Properties User Form Rela Form Rela Form Organization Form												

Figure 3–15 Oracle Identity System Administration - Sandbox tab

3.3.3.1 Create Sandbox

To create a Sandbox, perform the following steps:

1. Click Create Sandbox.

Create Sandbox dialog box is displayed.



ORACLE ^{- Identity} System Administration						,	Accessibility Sandbo	xes Help S	ign Out xelsysadm
A Policies	🕞 Mar	nage Sandboxes ×							
Approval Policies									
A Provisioning Configuration	Availa	ble Sandboxes Published	Sandboxes						
S Reconciliation	I S	andboxes allow you to isolate o customize create and/or act	and experiment with custor tivate a sandbox. After custo	nizations without a mizations are com	ffecting other users envi plete you can publish the	onments. a sandbox to make the customiza	tions available to other	users.	
Form Designer	View	▼ Create Sandbox	💥 Delete Sandbox	🝓 Refresh	Activate Sandbo	x	😭 Publish Sandl	ox 🕆 Exp	ort Sandbox 🏼 👌
🚳 IT Resource		Sandbox	Description				Active	Last Modifie	d Last Modified
Generic Connector		test	test					Nov 6, 2018	mdsinternal
E Application Instances					_			1107 0, 2010	masmanar
Manage Connector			Create Sandbox		×				
▲ System Entities			* Sandbox Name	CollectionTest					
🔁 User			Sandbox Description	CollectionTest					
S Organization	•								
🖏 Role									
Catalog			Activate Sandbox	×					
A System Configuration				Save and Clos	e Cancel				
A Home Organization Policy									
Self Service Capabilities									
🍓 Lookups									
Role Categories									
Ko Scheduler									
A Notification									
Seconfiguration Properties									
d Import									

2. Specify the following values:

Table 3–3 Create Sandbox Parameters

Sandbox Fields	Values
Sandbox Name	CollectionsDev
Sandbox Description	Collections Development
Activate Sandbox	Check check box

3. Click Save and Close.

The Confirmation dialog box appears.

Figure	3_17	Sandbox	Creation	Confirmation
rigure	3-11	Sallubux	Creation	Commation

ORACLE: Identity System Administration										Access	ibility Sar	dboxes Help Sign	Out xelsysadm
A Policies	B Ma	anage Sand	boxes ×										
Approval Policies													
Provisioning Configuration	Availa	able Sandb	oxes Published S	andboxes									
& Reconciliation	0	Sandboxes To customiz	allow you to isolate e create and/or acti	and experiment with cust vate a sandbox. After cust	omizations without tomizations are con	affecting other users enviro nplete you can publish the s	iments. andbox to make the customiza	tions available to other users					
Form Designer	View	. 🖓	Create Sandbox	X Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	Publish Sandbox	Export Sandbox	👌 Import S	andbox	👌 Bulk Publish	Detach
💮 IT Resource		Sandbox	(Description							Active	Last Modified	Last Modified
P Generic Connector		ColDay		CollDay								Nov 12, 2019	misistemal
Application Instances		CONDEV		COIDOV								1407 13, 2010	Indamienta
Manage Connector													
✓ System Entities													
da User													
Crganization													
🖏 Role				Crea	ate Sandbox			×					
Catalog				0	Confirmation								
A System Configuration	8				Sandbox CollDev	was created using label C	eation_IdM_CollDev_04:20:1	3.					
A Home Organization Policy							OK	7					
Self Service Capabilities													
n Lookups													
Cit Role Categories													
10 Scheduler													
A Notification													
🖉 Configuration Properties													
👌 Import													
🖹 Export													
✓ Upgrade													
Dpgrade User Form													
🐯 Upgrade Role Form													
Lupgrade Organization Form													
🔁 Upgrade Application Instances 🗸													
Copyright © 2001, 2017, Oracle and/or its affiliates. All rights reserved	1												About

4. CollectionsDev sandbox is created and it is activated.

Note

After you activate the sandbox, any changes to metadata objects are stored in the sandbox only. There can be only one active sandbox at a time. The information about the active sandbox is stored in the session. Therefore, a sandbox must be activated to continue with customization after every login to Oracle Identity Manager.

Figure 3–18 Available Sandbox

ACLE Identity System Administration								Acces	ssibility Sandboxe	s (CollDev)	Help Sign	Out xelsysad
olicies	🐻 Mar	age Sandboxes ×										
pproval Policies												
visioning Configuration	Availal	ble Sandboxes Published S	andboxes									
conciliation	0 S	andboxes allow you to isolate o customize create and/or acti	and experiment with custo vate a sandbox. After cust	mizations without a omizations are con	affecting other users environme nplete you can publish the sand	nts. box to make the customizat	ions available to other users.					
1 Designer	View	Create Sandbox	💥 Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	Publish Sandbox	Export Sandbox	Import Sandbox	👌 Bulk	Publish	🔐 Det
lesource		Sandbox	Description						Ac	tive L	ast Modified	Last Modif
eric Connector	•	CollDev	CollDev							• N		mdsinternal
ation Instances												
ige Connector												
m Entities												
tation												
og .												
stem Configuration	ł											

3.3.3.2 Activate Sandbox

To activate a Sandbox, perform the following steps:

1. Select CollectionsDev sandbox and then click Activate Sandbox to activate sandbox.

Figure 3–19 Activated Sandbox

ORACLE: Identity System Administration								A	ccessibility	Sandboxes (Col	Dev) Help	Sign Out	xelsysadm
Policies Approval Policies Provisioning Configuration Reconclusion	Availa	ble Sandboxes × ble Sandboxes Published S andboxes allow you to isolate to customize create and/or acti	andboxes and experiment with custo vate a sandbox. After custo	mizations without	affecting other users environn splete you can publish the sar	nents. ndbox to make the customiza	tions available to other users						
Form Designer	View	Create Sandbox	X Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	Publish Sandbox	Export Sandbox	👲 Import	Sandbox 👌	Bulk Publish		Detach
@ IT Resource		Sandbox	Description							Active	Last Modi On	fied Last By	Modified
P Generic Connector	Þ	CollDev	CollDev							•	Nov 13, 20	IS mdsl	internal
Page Application Instances													
a Manage Connector													
✓ System Entities													
da User													
🚠 Organization													
🖏 Role													
Catalog													

2. Sandbox is active now. It will be highlighted with green dot.

3.3.3.3 Deactivate Sandbox

To deactivate a Sandbox, perform the following steps:

- 1. Select **CollectionsDev** sandbox.
- 2. Click **Deactivate Sandbox** to deactivate sandbox. Sandbox is deactivated now.

Figure 3–20 Deactivate Sandbox

DRACLE [®] Identity System Administration									Access	ibility Sar	ndboxes Hel	p Sign O	ut xelsysadm
Policies	🐻 Mar	nage Sandboxes ×											
Approval Policies													
Provisioning Configuration	Availa	ble Sandboxes Published S andboxes allow you to isolate	Sandboxes and experiment with custo	mizations without	affecting other users environ	ments.	Fana available in eilear venne						
Form Designer	View	Create Sandbox	Xale a sandbox. Aller cush	Refresh	Activate Sandbox	Deactivate Sandbox	Publish Sandbox	n Export Sandbox	🛓 Import S	andbox	👌 Bulk Publi	sh	Detach
T Resource		Sandbox	Description							Active	e Last M	odified	Last Modified
Generic Connector	•	CollDev	CollDev								Nov 13	2018	mdsinternal
Application Instances													
Manage Connector													
System Entities													
User													
Crganization													
88 Prile													

3.3.3.4 Publish Sandbox

To publish a Sandbox, perform the following steps:

1. Select **CollectionsDev** sandbox and then click **Publish Sandbox** to publish sandbox.

Figure 3–21 Publish Sandbox

DRACLE Identity System Administration									Access	ibility Sandbo	xxes Help Sign	Out xelsysadm
Policies Approval Policies Approval Policies Provisioning Configuration Reconciliation	Availa	ble Sandboxes X ble Sandboxes Published S andboxes allow you to isolate o customize create and/or act	Sandboxes and experiment with custo ivate a sandbox. After custo	imizations without a omizations are con	iffecting other users environ plete you can publish the sa	nents. ndbox to make the customizat	tions available to other users					
🔳 Form Designer	View	Create Sandbox	X Delete Sandbox	🔮 Refresh	Activate Sandbox	② Deactivate Sandbox	Publish Sandbox	Export Sandbox	Import 9	Sandbox 👲	Bulk Publish	🛒 Detach
IT Resource		Sandbox	Description							Active	Last Modified On	Last Modified By
P Generic Connector	•	CollDev	CollDev								Nov 13, 2018	mdsInternal
E Application Instances												
Manage Connector												
▲ System Entities												
da User												
a Organization												
🖏 Role												
Catalog												

2. Sandbox is published now. It will be removed from sandbox list. Once Sandbox is published, all changes will be visible to all the users.

Figure 3–22 Published Sandbox

ORACLE Identity System Administration									Access	ibility Sa	ndboxes Help Sign	Out xelsysadm
A Policies	🖟 Ma	anage Sandboxes ×										li i
Approval Policies Provisioning Configuration Reconciliation	Availa	able Sandboxes Published S Sandboxes allow you to isolate To customize create and/or act	andboxes and experiment with custo vate a sandbox. After custo	mizations without a omizations are com	flecting other users environ plete you can publish the sa	ments. Indbox to make the customizat	ions available to other users.					
Form Designer	View	v v Create Sandbox	X Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	Publish Sandbox	1 Export Sandbox	🛓 Import S	andbox	🎍 Bulk Publish	Detach
@ IT Resource		Sandbox	Description							Activ	e Last Modified	Last Modified By
Generic Connector	•	CollDev	CollDev								Nov 13, 2018	mdsinternal
Replication Instances												
Manage Connector												
▲ System Entities												
👌 User												
& Organization												
🖏 Role												
Catalog												
	d											

3.3.4 Create Form Associated with Application Instance

To create forms associated with the resource objects, and subsequently with the application instances, follow the below steps:

- 1. Log in to Oracle Identity System Administration.
- Create and activate a sandbox. For detailed instructions on creating and activating a sandbox, see Chapter 1.3.3 Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery Sandbox.
- 3. In the left pane, under Configuration, click Form Designer. The Form Designer page is displayed.

Figure 3–23 Create Form - Form Designer

ORACLE. Identity System Administration			Accessibility S	Sandboxes	Help	Sign Out	xelsysadr	n
Policies	Form Designer ×							
Approval Policies	Search Forms							
Provisioning Configuration	✓ Search				Saved S	Search In	nplicit Sear	rch ▼
Form Designer	Resource Type	۹.						
Ø IT Resource					Sea	arch Re	set Sa	ve
Connector	Search Results							
Application Instances	Actions 👻 View 👻 🔶 Create 🖉 Op	en					Detac	sh
🕅 Manage Connector	Row Form Name		Туре		Res	source Typ	pe	
✓ System Entities	No data to display.							
🗞 User								
🗟 Organization								
🚳 Role								
Catalan .								

- 4. Click Create on the toolbar. The Create Form page is displayed.
- 5. In the **Resource Type** field, verify the name of the resource object with which the form is associated is displayed. To change the resource object name, click the Search icon next to the **Resource Type** field, and search and select a name from the **Search and Select: Resource Type** dialog box.

Figure 3–24 Create Form - Resource Type

ORACLE Identity System Administ	ration			Accessibility	Sandboxes (CollectionTest)	Help	Sign Out	xelsysadm
A Policies	Form Designer × 🕮 Create Form ×							
Approval Policies	New form for							💠 Create
Provisioning Configuration Reconciliation Transmission T	Resource Type * Form Name Available form fields	٩						
✓ System Entities	Mon - C2 Datash							
a User	view w 👘 Detach							
a Organization	# Display Name	Name	Description					Bulk Update
🚳 Role	No data to display.							
📖 Catalog								
System Configuration								
😹 Home Organization Policy								
Self Service Capabilities								
🍓 Lookups								
Role Categories								
C Scheduler								
A Notification								
Configuration Properties								
📥 Import								
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6. Select **Resource Type** as **COLL_CONNECTOR_GTC** and provide a name for the form (for example, SampleForm).

ORACLE [®] Identity System Administration		Accessibility Sandboxes (CollDev) Help Sign Out xelsysadm
Policies Approval Policies Approval Policies Provisioning Configuration Reconclustion Reconclustion Frequents Frequents Application Instances	Manage Southores × Form Delageer × Create Form × New form for Resource Type Form Name Search and Select: Resource Type x	Create
A Manage Connector System Entities User Connector Conn	Available form fields 4 Search Agvanced View v Detach Name # Display Name Name No data to display. Name	Buik Update
A System Conjunction A torse	COLL_CONNECTOR_GTC COLLCONNECTOR_GTC COLLCONN_CONNECTOR_GTC COLLCONN_CONNECTOR_GTC Calledon User Calledon User Calledon User ODServer ODServer ODServer ODServer ODServer ODServer	
Compared Properties Figure 1 Upgrade Upgrade User Form Upgrade Orgenization Form		,

Figure 3–25 Create Form - Resource Type (COLL_CONNECTOR_GTC)

7. Available Form Fields will be displayed in the below section of the page.

Figure 3–26 Create Form Resource Type - Available Form Fields

ORACLE Identity System Administration					Accessibility Sandboxes (Test1) Help Sign Out	xelsysadm
Policies Approval Policies Provisioning Configuration Reconciliation	N F	Manage Sandboxes × F lew form for COLL Resource Type COLL_CO	CONNECTOR_GTC			Create
Form Designer Form Designer Generic Connector Application Instances Gumage Connector	A	Form Name SampleFor Form Type Parent I Parent I Vailable form field	m Form + Child Tables (Master/Detail) Form (Master)			
System Entities	-	view v Detach				
a User		# Display Name	Name	Description		Bulk Update
🔯 Role		1 containerID	UD_ORMBCONN_CONTAINERID	containerID		
Catalog		2 objectclass	UD_ORMBCONN_OBJECTCLASS	objectclass		
▲ System Configuration	1	3 ID	UD_ORMBCONN_ID	ID		0
A Home Organization Policy		4 IT Resource2	UD_ORMBCONN_IT_RES	IT Resource2		
Self Service Capabilities Colups Colups Colocategories						

8. Click Create.

A message is displayed stating that the form is created.

- 9. Refresh the **Search Results** in **Form Designer** page for resource type : COLL_CONNECTOR_GTC.
- 10. Select the **SampleForm** from the results.

Figure 3–27 Search Form

ORACLE [®] Identity System Administration		Accessibility Sandboxes (Test1) Help Sign Out xelsysadm
Policies Approval Policies Provisioning Configuration Reconciliation From Designer Transpore Concentry Connector	Manage Sandoures × Form Designer × Search Forms A Search Resource Type COLL_CONNECTOR_GT Q Search Results	Saved Search Implicit Search * Search Reset Save
Application instances	Actions v Vew v Create / Open Rov Form Name	Type Resource Type Resource COLL_CONNECTOR_GTC

11. Manage SampleForm page is displayed.

Figure 3–28 Manage Collections User Form

ORACLE. Identity System Administra	ation								Accessibility Sandboxes (Test1) Help	Sign Out 🛛 🛪	relsysadm
▲ Policies	🔒 🐻 м	anage S	Sandboxes × For	m Designer × 🖉	Manage SampleForm ×						
Approval Policies	San	npleF	Form						🖉 Regenerate View	w 🟦 Im	nport/Export
A Provisioning Configuration											
8 Reconciliation	Fiel	ds C	hild Objects								
Form Designer			1 -								
@ IT Resource	A	ction v	View v 🖳	10(1:	Search Display Label V		٩	w Show			
P Generic Connector			Display A V Label	Name	Туре	Custom	Group	Description			Actions
Application Instances			containerID	UD_ORMBCON	Text	~					ø
Anage Connector	110		ID	UD_ORMBCON	Text	~					¢
✓ System Entities			IT Resource2	UD_ORMBCON	Number	~					÷
💩 User			objectclass	UD_ORMBCON	Text	~					ŵ
👗 Organization			Service Account	serviceaccount	Checkbox	1					8
🖏 Role	1.1	_									~
Catalog											

- 12. In the Fields tab click the **objectClass**. Edit Text Field page appears.
- 13. Enter Default Value as **User**. Click **Save** and **Close**.
- 14. In the Child Objects tab, click **ORMUSERG** (child form). expirationDate and userGroup fields are displayed.

Figure 3–29 Manage Form

ORACLE [®] Identity System Administration			Accessibility Sandboxes (Test1) Help Sign Out xelsysadm
Policies Approval Policies	Manage Sandboxes × Form Design	er x 🖉 Manage SampleForm X	
Provisioning Configuration Reconciliation Form Designer	Fields Child Objects		
🕲 IT Resource	View 🔻 🛉 Add 📓 Detach		
P Generic Connector Application Instances	Name 1 ORMUSERG	Description Child Form of COLL_CONNECTOR representing child-dataset : userGroupUser	

Figure 3–30 Manage Child Objects form fields

ORACLE: Identity System Administration												Accessibility	Sandboxes (fest1) Help	Sign Out	xelsysadm
Policies Approval Policies Provisioning Configuration	Mana ORMU	ige San JSEF	dboxes ×	Form	n Designer 🗙 🤞	9 Manag	ge SampleFormUD_OF	RMUS ×							Back To P	arent Object
8 Reconciliation	Fields															
E Form Designer	Action	n = \	/iew =		1 10 ()	Search	Display Label Y			Q	- Show					
W IT Resource		D	isnlav 🔺			-	Display Cabor									
Ceneric Connector		ŭ	abel		Name	Тур	e	Custom	Group		Description					Actions
Application Instances		e	xpirationDate		UD_ORMUSER.	Date	3	~								ø
Manage Connector		u	serGroup		UD_ORMUSER.	Text		~								¢
✓ System Entities																
de User																
😹 Organization																
🖏 Role																
Catalog																
✓ System Configuration	•															

15. Click the userGroup and give default value as ALL_SERVICES.

Figure 3–31 Set default values for field- userGroup

A Policies	A Manage Sandboxes X Form Designer X & Manage SampleFormUD_ORMUS X	
Approval Policies	Edit Text Field : userGroup	Save and Close Cancel
Provisioning Configuration		
So Reconciliation	4 Appendix no	
Form Designer	composition of the second	
B IT Resource		
P Generic Connector	* Display Label userGroup	
Application Instances	Display Wildt 40 Characters	
Manage Connector		
✓ System Entities	A Name	
🔓 User	Each field requires a unique name. Name and description are for internal use only, and are never displayed to your users.	
a Organization	Name UD_ORMUSERG_USERGROUP Description	
🚳 Role	ARI Name ID ORMISERG DISERGROUP C	
Catalog		
System Configuration	d Constraints	
A Home Organization Policy	2 Saudable	
Self Service Capabilities		
Lookups	Maximum Lengin 20 Characters	
Role Categories		
C Scheduler	Default Value Ender the units would be afford the fail when an obtain is sensing. Ender the units would be afford downwindly.	
A Notification	Ште зне чаке уки мал ка зелил не еко ител за којеко за сезако, чеко съркезки и уки талк ко зелие извал куналкску.	
Configuration Properties	ALL_SERVICES	
🖕 Import	4 ^{mj}	
1 Export		
▲ Upgrade	Advanced	
Upgrade User Form		
🔯 Upgrade Role Form		
a Upgrade Organization Form	Use in Bulk	
Upgrade Application Instances	•	
0.180.26.128:14600/svsadmin/faces/home?tf=manag	vace candhoxes#	About

16. Click **expirationDate** and give default value as 2100-01-01.

Figure 3–32 Set default value for field- expirationDate

ORACLE. Identity System Administration		Accessibility	Sandboxes (Test1) Help Sign Out	xelsysadm
A Policies	Manage Sandooxes × Form Designer × Sandooxee SampleFormUD_ORMUS ×			
Approval Policies	Edit Date Field : expirationDate		Save and Close	se <u>C</u> ancel
Provisioning Configuration	·			
S Reconciliation	4 4000373000			
Form Designer	Configure how this field will appear when displayed to your users			
@ IT Resource				
P Generic Connector	* Display Label expirationDate			
E Application Instances				
Ranage Connector	⊿ Name			
System Entities	Each field requires a unique name. Name and description are for internal use only, and are never displayed to your users.			
👌 User	Name UD_ORMUSERG_EXPIRATIONDATE Description			
A Organization	API Name UD ORMUSERG EXPIRATIONDATE c			
🖏 Role				
Catalog	🚽 Constraints			
✓ System Configuration	Searchable			
A Home Organization Policy				
Self Service Capabilities	Default Value			
n Lookups	Enter the value you want to set for the field when an object is created. Select Expression if you want to set the default dynamically.			
Role Categories	2023-11-29			
R Scheduler				
A Notification				
& Configuration Properties				
🖄 Import	Advanced			
1 Export	Use in Bulk			
⊿ Upgrade				
Upgrade User Form				
🖏 Upgrade Role Form				
🚠 Upgrade Organization Form				
🔁 Upgrade Application Instances 👻				
10.180.26.128:14600/sysadmin/faces/home?tf=manage_sandbox	es#			About

- 17. Click Save and Close.
- 18. Click the **Back to Parent Object** Link.

19. Close Manage SampleForm tab.

Steps to associate the form with the application instance:

1. Click the **Application Instances** Menu. Click **Search** and select COLL_CONNECTOR_GTC.

Figure 3–33 Search Application Instances and select COLL_CONNECTOR_GTC

Policies	Application In	nstances ×			0					
Approval Policies	Search Application Instance	29								
Provisioning Configuration	Note: Application Instance manageme	nt for Template based Application sh	ould be done via Application On-be	parding wizard available on Self-Service UI.						
Reconciliation	✓ Search			-	Saved Search Search Application Instances					
Ecom Designer	Match All Any									
	Resource Object Starts with	•								
Generic Connector										
	Display Name Starts with	•								
man Approximation Instances	IT Resource Instance Starts with	*								
Manage Connector					Search Reset Save Add Fields w Reorder					
System Entities										
😓 User	Search Results									
& Organization	Actions v View v 4 Create	🖉 Open 💥 Delete 👪 Refresh	E Detach							
🖏 Role										
Catalog	2		Q		d,					
Contract Configuration	Row# Display Name	Description	Resource Object	IT Resource Instance						
System Configuration	1 PRIYANKACONNECTOR_GTC	PRIYANKACONNECTOR_GTC	PRIYANKACONNECTOR_GTC	PRIYANKACONNECTOR_GTC						
Rome Organization Policy	2 OIDServer	OID Server	OIDServer	OIDServer						
Self Service Capabilities	4 COLLECTION CONNECTOR G	COLLECTION CONNECTOR GTC	COLLECTION CONNECTOR GTC	COLLECTION CONNECTOR GTC						
Lookups	5 COLLCONNECTOR_GTC	COLLCONNECTOR_GTC	COLLCONNECTOR_GTC	COLLCONNECTOR_GTC						
Role Categories	6 COLLAPP	COLLAPP	Collection User New	Collection Arguments						
Scheduler										
A Notification										
	Rows Selected 1 Columns Hidd	en 4								
P Configuration Properties										
Denfiguration Properties										
が Configuration Properties 動 Import 全 Export										
Configuration Properties Import Export Upgrade Uvorade User Form										
Configuration Properties Minport Configuration Properties Depart Upgrade Duer Form Upgrade Role Form Logades Role Form										
2. Click the **Attributes** tab.

Figure 3–34 Application Instance Attributes

ORACLE Identity System Administ	istration	Accessibility Sandboxes (Test1) Help Sign Out xelsysadm
✓ Policies	Anage Sandboxes × Application Instances × COLL_CONNECTOR_GTC ×	(iii)
Approval Policies	Application Instance: COLL_CONNECTOR_GTC	
Provisioning Configuration		
Reconciliation	Attributes Organizations Entillements	
Form Designer		"Required Field Apply Revert
@ IT Resource		
P Generic Connector		
Application Instances	Name COLL_CONNECTOR_GTC	
a Manage Connector		
System Entities	* Display Name COLL_CONNECTOR_GTC	
da User		
& Organization	Description COLL_CONNECTOR_GTC	
26 Role	h	
Catalog		
	Resource Object COLL CONNECTOR GTC Q	
System Contiguration		
Salf Service Carabilities	IT Resource Instance COLL_CONNECTOR_GTC	
Ra Dala Catagoria	Form 🔻 🥒 Edit 🝓 Refresh	
Sakadular		
Bo scheduler	Parent Appinstance Q	
Coniguration Properties		
A finand		
I Export		
✓ Upgrade		
Dpgrade User Form		
🚳 Upgrade Role Form		
a Upgrade Organization Form		
Upgrade Application Instances	*	
0.180.26.128-14600/curradmin/facer/home2tf=manac	nana sandhovarž	1 miles

3. In Form list, select above created form and click **Apply**.

Figure 3–35 Associate Form with Application instance

ORACLE Identity System Administration		Accessibility	Sandboxes (Test1) Help	Sign Out	xelsysadm
Policies Application Instances	× COLL_CONNECTOR_GTC ×				
Approval Policies Application Instance: COLL_CC	NNECTOR_GTC				
Provisioning Configuration					
Seconciliation Attributes Organizations Entitlements					
Form Designer			"Required Fig	d Apply	Rever
@ IT Resource					
Generic Connector					
COLL	CONNECTOR_GTC				
Anage Connector					
* Display Name COLL	CONNECTOR_GTC				
a User					
COLL	CONNECTOR_GTC				
28 Role	h				
Catalog					
Resource Object COLL	CONNECTOR_GTC Q				
System Conguration					
Self Service Capabilities IT Resource Instance COLL	CONNECTOR_GTC Q				
an Service Capabilities					
Form Form	🔻 🥒 Edit 🍓 Refresh				
	ols Form				
Parent Appinstance	Council Council				
for the transformer and th	Samplerorm				
P Computation Properties					
Export					
Upgrade					
Upgrade User Form					
Upgrade Role Form					
Lupgrade Organization Form					
Dpgrade Application Instances +					

4. Message 'Application instance modified successfully' is displayed.

RACLE Identity System Administration			_		Accessibility	Accessibility Sandboxes (Test1) Help	Accessibility Sandboxes (Test1) Help Sign Out
	 Application Instan 	ince COLL_CONNECTOR_GTC modified success	sfully				
Policies Annoval Policies	Manage Sandboxes × Application Inst	stances × COLL_CONNECTOR_GTC ×					
	Application Instance: COLL	_CONNECTOR_GTC					
Provisioning Configuration	Attributes Organizations Entitlement	ts.					
Entropy Contraction							
T Resource						"Required	"Required Field App
Generic Connector							
Application Instances	Name	COLL CONNECTOR GTC					
Manage Connector							
4 System Entities	* Display Name	COLL_CONNECTOR_GTC					
a User							
S Organization	Description	COLL_CONNECTOR_GTC					
🚯 Role		li.					
Catalog							
A System Configuration	Resource Object	COLL_CONNECTOR_GTC					
Home Organization Policy							
Self Service Capabilities	IT Resource Instance	COLL_CONNECTOR_GTC					
💏 Lookups							
Role Categories	Form	SampleForm 🔻 🥖 Edit 🝓 Refresh					
E Scheduler							
A Notification	Parent AppInstance		4				
& Configuration Properties							
🖄 Import							
1 Export							
⊿ Upgrade							
Upgrade User Form							
🚯 Upgrade Role Form							
a Upgrade Organization Form							
The Upgrade Application Instances							

Figure 3–36 Success message

- 5. If required, you can export the sandbox to store all the changes made in your sandbox.
- 6. Publish the sandbox.

3.3.5 Create Access Policy and Role

3.3.5.1 Create Access Policy

Policy based provisioning is being used, that is, whenever policy is applied, the user is directly provisioned to resource.

This policy is applied whenever a user is made part of specified role For example: Collection_Users. Also, Collection_Users is applied to user through membership rule. Thus, policy will be applied to user and the user would be provisioned to resource Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User.

Note

Here, we have used Collection_Users Role, but it can be changed as required. See Section 3.3.5.2 Creating Roles for Role Creation.

- 1. Log in to the Identity Self Service.
- 2. Click Manage and then click Roles and Access Policies.

3. Select the Access Policies. The Search Access Policies page is displayed.

Figure 3–37 Identity Self Service – Manage tab

	If Service		Self Service Manage	
Hore				
Users Manage users	Roles Policies Access Policies CCESS	Organizations Manage organizations	Administration Roles Manage admin roles	
Policies Manage policies	Applications Add and modify connected applications for user account access			

Figure 3–38 Access Policies

			Sandboxes Customize xelsysadm w
0		Self Service	Self Service 🛃 Manage
Hon	ne Access Policies ×		
Sea	Access Policies	٩	
А	ctions • View • + Create	🖌 Open 💥 Delete 👈 Refresh 📴 📓 Detach	
4	<u>r</u>		
	Name	Description	
	Collection User - Access Poli	cy Collection User - Access Policy	
	TestPolicy	TestPolicy	
Copyr	ight © 2001, 2017, Oracle and/or its affi	ates. All rights reserved	

4. Click Create. Create Access Policy Page is displayed.

Figure 3–39 Create Access Policy

	Sandboxes Customize xelsysadm v ····
ORACLE [®] Identity Self Service	Self Service Manage
Home Access Policies × Create Access Policy ×	
Create Access Policy	
General Attributes * Name	
* Description	
* Priority Level 3 Copyright 6 2001, 2017. Orace and/or to affilians. All rights reserved	

- 5. Enter following details (for example) and click Next.
 - Name: Coll_AccessPolicy
 - Description: Coll_AccessPolicy

Figure 3–40 Access Policy details

ome Access Poli	cies × Create Access Policy ×		
reate Acces	ss Policy		
	Back	Cancel Next	
	Attributes Applications		
General Attribu	tes		
* Name	Coll_AccessPolicy		
	Coll_AccessPolicy		
[^] Description	4		
* Owner	User 🔻 System Administrator		
Retrofit	2		
* Priority Level	3		

6. To specify the application instances provisioned by this access policy, click **Add** and select **COLL_ CONNECTOR_GTC** Application Instance. Click **Select**.

		Sandboxes Customize xe	isysadm 🔻 🚥
ORA	CLE' Identity Self Service	Self Service	📩 Manage
Home Act	cess Policies × Create Access Policy ×		
Create	Access Policy		
	Back	Cancel Finish	
	Attribut	es Applications	
	Add Application Instance	:	×
Provisio	Search Display Name V	Search for Application Instances and add them to the Selected Items table below.	
Specify the	Results		
View *	View *		
Disp	Name Display Name	Description	
No data to	PRIYANKACONNECTOR PRIYANKACONNEC	PRIYANKACONNECTOR_GTC	
4	OIDServer OIDServer	OID Server	•
	COLL_CONNECTOR_GTC COLL_CONNECTOR	COLL_CONNECTOR_GTC	
Desired	COLLECTION_CONNEC COLLECTION_CON	COLLECTION_CONNECTOR_GTC +	
Specify the	Page 1 of 2 (1-4 of 6 items) R C 1 2 2	А	
	Add Selected	¥ Add All	
View *	Selected Application Instances		
Disp	View w		
No data to	Display Name Name		
	COLL_CONNE COLL_CONNECTOR_GTC		
Copyright © 20		Select Cancel	

Figure 3–41 Add application instance associated with access policy

- 7. Click Finish.
- 8. In the Search Access Policies Page, select the above created policy and click the **Applications** tab.

Figure 3–42 Search Access Policy

Home Access Policies ×	
Access Policies	
Search Name V	٩
Actions v View v + Create	🖌 Open 💥 Delete 🕤 Refresh 🔄 🔚 Detach
1	
Name	Description
Collection User - Access Policy	Collection User - Access Policy
TestPolicy	TestPolicy
Coll AccessPolicy	Coll_AccessPolicy
Coll AccessPolicy	TestPolicy Coll_AccessPolicy

9. COLL_CONNECTOR_GTC application would be listed in the Provisioned Applications list.

Figure 3–43 Provisioned appli	ications for the	policy
-------------------------------	------------------	--------

Create Access Policy Back Attributes Applications Provisioned Applications Specify the application instances provisioned by this access policy View + Add Remove Description Constraints OLL_CONNECTOR_GTC COUL_CONNECTOR_GTC Revoke Descled Applications Specify the application instances denied by this access policy View + Add Remove Description Constraints Despied Applications Specify the application instances denied by this access policy View + Add Remove Description	Home Access Policies × Create Acce	ss Policy ×		
Back Applications	Create Access Policy			
Provisioned by this access policy Provisioned by this access policy View v 4 Add X Remove Colspan="2">Constraints Display Name Constraints Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Constraints Specify the application instances denied by this access policy View v 4 Add X Remove E Description View v 4 Add X Remove Escription Display Name Description		Back Attributes Applications	Cancel Finish	
View * + Add X Remove Description Constraints Display Name Description Constraints COLL_CONNECTOR_GTC COLL_CONNECTOR_GTC Revoke *	Provisioned Applications Specify the application instances provisione	d by this access policy		
Display Name Description Constraints COLL_CONNECTOR_GTC COLL_CONNECTOR_GTC Revoke				
COLL_CONNECTOR_GTC COLL_CONNECTOR_GTC Denied Applications Specify the application instances denied by this access policy View * + Add % Remove Display Name Description	View 🔻 🕂 Add 🛛 💥 Remove	Detach		
Denied Applications Specify the application instances denied by this access policy View * + Add X Remove Image: Detach Display Name Description	View View Add Remove	Detach	Constraints	
View Y Add Kemove Hill Detach	View + Add Remove Display Name COLL_CONNECTOR_GTC	Detach Description Coll_CONNECTOR_GTC	Constraints Revoke	T
Display Name Description	View Add Remove Display Name COLL_CONNECTOR_GTC Denied Applications Specify the application instances denied by	Description COLL_CONNECTOR_GTC	Constraints Revoke	T
	View + Add Remove Display Name COLL_CONNECTOR_GTC Denied Applications Specify the application instances denied by View + Add Remove	Image: Detacle Description COLL_CONNECTOR_GTC	Constraints Revoke	v

- 10. Click the COLL_CONNECTOR_GTC application. Provide default values for the General Attributes and Child Form fields.
 - objectClass: User
 - userGroup: ALL_SERVICES
 - expirationDate: 2100-01-01

Figure 3–44 Application Attributes

Home Access P	olicies × Access Policy - Co	II_Acce ×		
Access Pol	cy - Coll_AccessPol	licy		
Attributes Apr	lications Roles			
				Save Cancel
General A	tributes			
container	0	ID		
objectclas	8 User	IT Resource2	122	
▲ Child F	orm of COLL_CONNECTO	OR representing child-dataset	: userGroupUser	
Select	• Search			
View 💌	+ Add X Delete X	expirationDate ~ ~	Pending Action A	
1	LL_SERVICES	11/30/2021	Add	
4				

11. Click **Save** and **Apply**.

3.3.5.2 Creating Roles

This role is used to define access policy. Minimum access should be provided as it would be applied to every user eligible for Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User provisioning.

- 1. Log in to Identity Self Service.
- 2. Click Manage and then, click Roles and Access Policies .

3. Select **Roles**. The Search Roles page is displayed.

D R	ACLE	Identity	Self Service				Self Servi	ce 💑 M
Home	Roles ×							
📫 R	oles							
Search	Name	•		Q Advanced				
Action	is view view	+ Create	🖉 Open 🛛 🗙 I	elete 🕥 Refresh	Ę	Detach		
N	lame	Crea	te new Role Descript	ion				
4	ALL USERS		Default role for	all users				
4	Administrators		Administrators	ole for SOA				
4	BIReportAdminis	trator	Administrators	ole for BI Publisher Rep	ports			
4	COLL_USER		COLL_USER					
4	CollUser		Coll User					
4	OPERATORS		Operator role					
4	SELF OPERATO	RS	Operator role for	r self registration				
4	SYSTEM ADMIN	ISTRATORS	System Admini	strator role for OIM				
4	TestFullAccess		TestFullAccess					
4	TestUsers		TestUsers					

- 4. Click Create on the toolbar. The Create Role page is displayed.
- 5. Specify the following values and then click **Next**.
 - Name: Collection_Users
 - Display Name: Collection_Users
 - Role Description: Default Role for all Oracle Banking Enterprise Collections and Oracle Banking Enterprise RecoveryUser.
 - Role Category: Default

Create Role						
This wizard walks you through the st	teps to create a Role.					
Back Official	Histority An	-O	Mambars	Organizations	Summary	Cancel Nex
	inclusiony inclusion				connery	
General Role Informatio	n					
* Name	Collection_Users					
* Display Name	Collection_Users					
Role E-mail						
Role Description	Collection_Users					
		11				
* Owned By	System Administrator	୍				
Catalog Attributes						
* Category	Role					
Audit Objective						
Risk Level	•					
User Defined Tags						
Approver User		Q				
Approver Role		Q				
Certifier User		Q				
Certifler Role		Q				
Fulfillment User		Q				
Fulfiliment Role		Q				
Certifiable						
Auditable	×					

Figure 3–46 Create Role

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6. Click Next to go to the Access Policy step.



e							
ks you through the st	teps to create a Role.						
Attributes	Hierarchy	Access Policy	Members	Organizations	Summary	Cancel	Next
cess Policy olicies to define acce	ess rights of this role.						
	_						
	Do γοι	i want to add a	ccess polici	es to this role?			
		This is a	an optional step.				
	e ks you through the s Attributes	le ks you through the steps to create a Role. Attributes Hierarchy cess Policy olicies to define access rights of this role. Do you	le ks you through the steps to create a Role. Attributes Hierarchy Access Policy alicies to define access rights of this role. Do you want to add a This is a	ie ks you through the steps to create a Role. Attributes Hierarchy Access Policy Members cess Policy alicies to define access rights of this role. Do you want to add access polici This is an optional step.	ie ks you through the steps to create a Role. Attributes Hierarchy Access Policy Members Organizations cess Policy alicies to define access rights of this role. Do you want to add access policies to this role? This is an optional step.	ie ks you through the steps to create a Role. Attributes Hierarchy Access Policy Members Organizations Summary cess Policy alicies to define access rights of this role. Do you want to add access policies to this role? This is an optional step.	ie ks you through the steps to create a Role. Attributes Hierarchy Access Policy Members Organizations Summary Cancel cess Policy alicies to define access rights of this role. Do you want to add access policies to this role? This is an optional step.

7. Click Add Access Policies. List of access policies is displayed on clicking the search icon.

Figure 3–48 Add Access Policy to the role

me Roles × Create R	ole ×						
reate Role	h the steps to create a	Role.					
Back O Attributes	Hierarchy	Access Policy	Members	Organizations	Summary	Cancel N	ext
[Add Access Polic	cies				×	
Select Access Pol Add access policies to def	Search Policy Nan	ne 🔻	Q Search for Po	licies and Add them to the Se	lected Items table belo	w	
	Results					- 88	
	Policy Name	Policy Description					
	Coll_AccessPolicy	Coll_AccessPolicy				_	
	Collection User	Collection User - Access Policy				- 10	
	TestPolicy	V Add Selected	S Add All V Remove	Selected 🔗 Remove All		- 11	
	Selected Policies						
ight @ 2001, 2017, Oracle a	View *						
	Policy Name	Policy Description					
	Coll_AccessPolicy	Coll_AccessPolicy					
					Select C	ancel	

8. Select above created access policy (eg: Coll_AccessPolicy) and click Next.

Figure 3–49 Add Access Policy to the role

me R	oles × Create Role >	<					
Create	Role	steps to create a Role					
Back	Attributes	Hierarchy	Access Policy	Members	Organizations	Summary	Cancel Finish
Role I	Definition Summa	I ry so far, and click Finish to	create the role.				Þ
⊿ At	tributes						
	Nan	ne Collection_Users					
	Display Nan	ne Collection_Users					
	Role E-ma	ail					
	Role Description	on Collection_Users					
			11				
	Owned E	By System Administrato	r				
▶ Ca	atalog Attribute	s					
▶ Hi	erarchy						
► Ac	ccess Policy						
► M	embers						
▶ Oi	rganizations						

9. In the Members Step, click Create Memebrship Rule.

Figure 3–50 Create Membership Rule

ne Role	es × Create Role >	ĸ					
reate F	Role walks you through the	steps to create a Role.					
Back	Attributes	O Hierarchy	O Access Policy	Members	Organizations	Summary	Cancel Next
Add Ro	le Membership mbers to this role man	nually or via a membershi	ip rule.				
Add Ro Define me	Ie Membership mbers to this role man	nually or via a membershi You c	prule. currently do no	t have any re	ole Members.		
Add Ro Define me	Ile Membership mbers to this role man	nually or via a membershi You c	prule. currently do no This is	t have any ro	ole Members.		
Add Ro Define me	I e Membership mbers to this role man	nually or via a membershi You c	p rule. currently do no This is	t have any ro	ole Members.		
Add Ro	i e Membership mbers to this role man	sually or via a membershi You c	p rule. Currently do no This is	t have any ro an optional step.	ole Members.		

10. Create rule such that Collection_Users role is assigned to a User that needs to be provisioned to Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery. Here we have defined Rule Based on Organization.

Build the rule expression as follows:

Select **Organization** attribute, operand: '=' and RHS operand value='Xellerate Users' (literal)

Figure 3–51 Build Membership Rule Expression

Display Name	Data Type
- Manager Display Name	String 1
Manager First Name	String
Manager Last Name	String (
Middle Name	String
Mobile	String (1
NsuniqueID	String (
Office Name	String (
OrclGuid	String (
Organization	String (1
Pager	String (
Password Expired	String (
PO Box	String (
Postal Address	String (1
Postal Code	String (
Preferred Language	String (i
Provisioned Date	Date 🧃
Provisioning Date	Date 🧃
Start Date	Date 🧃
State	String (1
Street	String (1
Telephone Number	String (
Timezone	String (
Title	String (
User Login	String (

Figure 3–52 Build Membership Rule Expression

Home Roles × Create	e Role ×						
Create Role This wizard walks you thro	rugh the steps to create a Role.						
Back O Attributes	Hierarchy	Access Policy	Members	Organizations	Summary	Cancel Next	
er membership rules for	role ffffff						×
Build Expression Preview	Results						
IF Organization = "	• 'Xellerate Users' 💌		Attributes Literals	Value			- 1
			Value Xellerate Us	String ers			- 1
			Add				- 1
						Save	Cancel

11. Click Save.

3.4 DB Based Configuration

This section provides the details required for provisioning users through DB based configurations.

3.4.1 DB Based Policy Configuration

Policy configuration is performed by linking Users to Roles and then linking Roles to Service Policies with either grant or deny access.

Following are the tables related to Menu configuration:

 FLX_SM_LOCAL_USERS (Related view FLX_SM_LOCAL_USERS_V): This table defines the users in OBP for whom access policies are to be configured. All user IDs need to be in lowercase.

Figure 3–53 FLX_SM_LOCAL_USERS



FLX_SM_LOCAL_ENT_ROLE (Related view FLX_SM_LOCAL_ENT_ROLE_V): This table defines the enterprise roles.

Figure 3–54 FLX_SM_LOCAL_ENT_ROLE



 FLX_SM_LOCAL_APP_ROLES (Related view FLX_SM_LOCAL_APP_ROLES_V): This table defines the application roles, that is at OBP level.

Figure 3–55 FLX_SM_LOCAL_APP_ROLES

a 🗂 - 🚊 - 🔲 🖶 - I 🚇 - I 🕤 - 🔊 - N 👘 - M N 👫 = BROK262@10.180.2432:1521/PBROP - PL/SOL Developer - select * from FLX. SM LOCAL 🗊	- 8	×
	0	A 📖
File Project East Session Tools Configure View Help Plug-Ins		U LQ
🛃 LocalSecurityQueries_BROP.sql 👌 select * from FLX_SM_LOCAL 🗙		~
SQL Output Statistics		
select * from FLX_SM_LOCAL_APP_ROLES;		0
⊕ - 1 □ □ √ ▼ Ξ < 4 0 B - △ 4 B 2 F - 1 - 2 F - 0 C 1 0 - 2 F - 2		
APP_RLJDROLE_NAMEROLE_CATEGORYDESCRIPTIONROLE_TYPEID_APPCREATED_BYLAST_UPDATED_BYLAST_UPDATED_DATECREATION_DATEOBJECT_VERSION_NUMBER	OBJECT	STATUS
1 Customer - Customer - Customer - Customer - Customer - Customer - SYSTELLER - SYSTELLER - 7/27/2020 12:46:15 PM - 7/27/2020 12:46:15 PM - 1	Α	
2 Administrators ··· Administrat	A	
<		>
[] [] [] 8 1:38 ▼ BROK262@10.180.24.32:1521/PBROP →1 2 rows selected in 0.874 seconds		
	-	Concession in which the local division in which the local division is not the local division of the local division is not the local division of the local

FLX_SM_LOCAL_ENT_APP_LNK (Related view FLX_SM_LOCAL_ENT_APP_LNK_V): This table defines the mapping between Enterprise Roles and Application Roles.

Figure 3–56 FLX_SM_LOCAL_ENT_APP_LNK



FLX_SM_LOCAL_USR_ENT_ROLES (Related view FLX_SM_LOCAL_USR_ENT_ROLES_V): This table defines the user id to Application role mapping. All user IDs need to be in lowercase.





 FLX_SM_LOCAL_RESOURCES (Related view FLX_SM_LOCAL_RESOURCES_V): This table defines the services (fully qualified method name) for which role based access is to be configured.

Figure 3–58 FLX_SM_LOCAL_RESOURCES



FLX_SM_LOCAL_POLICY_ENTRY (Related view FLX_SM_LOCAL_POLICY_ENTRY_V): This table defines the access policy based on application role and if access type is grant or deny.

Figure 3–59 FLX_SM_LOCAL_POLICY_ENTRY



FLX_SM_LOCAL_RES_POENT_LNK (Related view FLX_SM_LOCAL_RES_POENT_LNK_V): This table maps the service with the access policy, that is, ACCESSIBLE_RES_ID from FLX_SM_ LOCAL_RESOURCES to POLICY_ENTRY_ID from FLX_SM_LOCAL_POLICY_ENTRY.

Figure 3–60 FLX_SM_LOCAL_RES_POENT_LNK

👼 🛅 + 🚘 + 🚼 🚔 + 🌖 🛷 / 👂 / 👂 / 👂 🛞 🖄 🐘 🔡 👘 🔨 🔢 BROK262@10.180.2432:1521/PBROP - PL/SQL Developer - select * from FLX_SM_LOCAL	۲	- 6	×
File Project Edit Session Tools Configure View Help Plug-Ins		6) 🛈 🖳
👵 LocalSecurityQueries_BROP.sql 👼 select * from FLX_SM_LOCAL 🗙			\sim
SQL Output Statistics			
select * from FLX_SM_LOCAL_RES_FOENT_LNK;			0
			U
⊕▼ ● □ ♀ √ ▼ 至 ♥ ♥ ■ ▼ ▲ ■ ₽ ₽ ₽ ■ ▼			
ACCESSIBLE, RES, JD POLICY_ENTRY_JD			
I com.dss.fc.app.fundmmmt.service.command.DDAFundsTransferComr in PL_ENTRY_com.dss.fc.app.sms.ervice.command.DDAFundsTra 2 com.dss.fc.app.sms.ervice.transactionBlackoutTransactionBlackoutDarg. In PL_ENTRY_com.dss.fc.app.sms.ervice.transactionBlackoutTransa			
0 8 1:42 0:01 ▼ BR0k262@10.180.24.32:1521/PBR0P +# 2 rows selected in 1.204 seconds		1 53 51 4	

To enable DB based menu, following changes need to be made in the configuration (flw_fw_config_all_b):

UPDATE FLX_FW_CONFIG_ALL_B

SET PROP_VALUE = 'SQL'

WHERE CATEGORY_ID = 'SecurityConstants'

AND PROP_ID = 'AuthorizationServiceProvider';

Figure 3–61 Configuration for DB Menu



The Managed Server needs to be restarted. On restart, access policies from database will come in force, instead of access policies from OPSS.

3.4.2 Role Based Local Menu Configuration

Menu folders and elements will be created by reading the taskflowDefn_element, menu_elements and menu_ folders csv file from **config** folder based on the application and locale.

To enable or disable a certain menu element for a particular role:

- From Policy Management (Fast Path: SM502) page, modify the access policy for the pageDef entry for the particular screen to Grant/Deny as required for the particular role.
- The above menu element will be shown/hidden in the menu for users of that role as per access policy defined.
- In case all menu elements in a particular menu folder are denied access, the folder itself will not be seen in menu.

To enable the DB based menu, following changes needed to be made in configuration (flw_fw_config_all_b):

- UPDATE flx_fw_config_all_b SET prop_value = 'FILE' WHERE prop_id = 'ui.menu.provider';
- UPDATE flx_fw_config_all_b SET prop_value = 'DB' WHERE prop_id = 'ui.menu.source'; Select * from flx_fw_config_all_b WHERE prop_id IN ('ui.menu.provider', 'ui.menu.source');





The UI Managed Server needs to be restarted. On login, the menu will be fetched using Menu files (from config) and policies as defined in database instead of OPSS.

3.4.3 Database Identity Store Provider (Both Middleware and UI server)

To create a new security provider in UI and Host WebLogic console:

- 1. Navigate to Security Realms > myrealm > Providers
- 2. Create a new provider of Type **SQLAuthenticator**

Figure 3–63 Create Authentication Provider

Create a New Authentication Provic X	+	- 8 ×
(←) → 健 û	🖸 🔏 10.180.26.213:7001/console/console.portal?_nfpb=true&_pageLabel=SecurityProvidersCreateAtn	☆ ॥\ ₪ ®* Ⅲ =
OBP R271 FMW Dev OBP R24 FMW	N Dev 🧧 OBP R271 FMW Testing 🧧 OBP R24 FMW Testing 🧧 Oracle Banking Platfor 💠 24FMW Jira Dashboard 💠 271FMW Jira Dashboard 🔀	OBP DevOps - Your O
	r Administration Console 12c	<u> </u>
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: ui_domain
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a Hew Authentication Provider	
Palazza Canfouration	Create a new Authentication Provider	
Kelease configuration	The following properties will be used to identify your new Authentication Provider.	
Domain Structure	* Indicates required fields	
ui_domain Obmain Partitions -Environment Devironment	The name of the authentication provider.	
reprovinents ■ Services	SQLAuthenticator	
Security Realms E-Interoperability	This is the type of authentication provider you wish to create.	
Diagnostics	Type: COLAuthonicator	
	OK Cancel	
How do I		
Manage security providers		
Configure authentication and identity assertion providers		
System Status		
Health of Running Servers as of 10:39 AM		
Failed (0)		~

3. In the **Provider Specific** settings, set the Data Source Name e.g. OBP_SYS_CONFIG and set the Password Algorithm to either SHA-512 or SHA-256. (SHA-256 & SHA-512 are supported, product default is SHA-512).

Figure 3–64 Provider Specific Settings

AuthenticatorBook - ui_domain - Vi × +				- 0	×
← → ♂ ☆ 0	10.180.26.213:7001/console/console.portal?_nfpb=true8	&_pageLabel=AuthenticatorConfigProvider	SpecificTabl 🗉 🚥 🔽 🏠	E 🔹 💷	Ξ
OBP R271 FMW Dev OBP R24 FMW De	ev 🦲 OBP R271 FMW Testing 🧧 OBP R24 FMW Testing 🧧 Oracle	Banking Platfor 💠 24FMW Jira Dashboard 🔹	🕈 271FMW Jira Dashboard 🗇 OBP DevOps - Your O		
	ministration Console 12c				<u> </u>
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q.	Welcome, weblogic	onnected to: ui_do	main
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >SQLAuthenticate	9°			
No pending changes exist. Click the Release	Settings for SQLAuthenticator				
domain.	Configuration Performance				
Lock & Edit	Common Provider Specific				
Release Configuration	Save				
Domain Structure					
ui_domain IB-Domain Partitions	Use this page to define the provider specific configuration of this SQL Aut	hentication provider.			
Environment Deployments Services	Identity Domain:		The name of the identity domain. More Info		
Security Realms	Plaintext Passwords Enabled		Specifies whether plaintext passwords are allowed to be used.	More Info	
Let - Diagnostics	Data Source Name:	OBP_SYS_CONFIG	The name of the JDBC data source used for database access.	More Info	
	Group Membership Searching:	unlimited <	Specifies whether recursive group membership searching is unlim values are unlimited andimited. More Info	ited or limited. Valid	
How do I	Max Group Membership Search Level:	0	This specifies how many levels of group membership can be sear is valid only if Group Membership Searching is set to limited. Valid positive integers. For example, 0 indicates only direct group men	ched. This setting values are 0 and nberships will be	
Configure authentication and identity acception providers			found, a positive number indicates the number of levels to go do	wn. More Info	
Manage security providers	Password Style Retained		Controls how a password is stored in the database when updatin user's password. More Info	ng an existing	
System Status	Password Algorithm:	SHA-1	The message digest algorithm used to hash passwords for storag	ge. The name is a	
Health of Running Servers as of 10:43 AM			Extension (JCE) provider that is available at runtime. The Java C Architecture (JCA) defines the standard algorithm specifications	ryptography More Info	
Failed (0)			Promocone goey ochnol one statioard algorithiit specificatoris.	10000 10000	

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← → C ▲ Not secure mum	00cmq.in.oracle.com:7001/console/console.portal?_nfp	b=true&_pageLabel=AuthenticatorCo	nfigProviderSpecificTabPage&handle=com.b 🕁 🥥 📙 🏚 🗐	A :
🔛 Apps 🔇 OBP DevOps - Your M	How to Get a Linke 🚦 Authorization Code 🎰 Indivi	dual PAYE - H 🛞 Multi-factor authen	Tutorials - HMRC D 554 The Social Security 554 Electronic Wage Re	*
	ninistration Console 12c			Q ^
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: ui	_domain
View changes and restarts	Home >SQLAuthenticator >Summary of Security Realms >myrealm >U	sers and Groups >ofssuser >Summary of Security R	alms >SQLAuthenticator >Users and Groups >ofssuser >SQLAuthenticator	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for SQLAuthenticator Configuration Performance			-11
Lock & Edit Release Configuration	Common Provider Specific			
Domain Structure	Jave			
ui_domain P-Domain Partitions	Use this page to define the provider specific configuration of this	s SQL Authentication provider.		
Environment Deployments Devices	Identity Domain:		The name of the identity domain. More Info	
Security Realms Interoperability	Plaintext Passwords Enabled		Specifies whether plaintext passwords are allowed to be used. More Info	
t±)-Diagnostics	Data Source Name:	OBP_SYS_CONFIG	The name of the JDBC data source used for database access. More Info	
	Group Membership Searching:	unlimited ¥	Specifies whether recursive group membership searching is unlimited or limite Valid values are unlimited andlimited. More Info	d.
How do I	Max Group Membership Search Level:	0	This specifies how many levels of group membership can be searched. This se valid only if Group Membership Searching is set to limited. Valid values are 0 a positive integers. For example, 0 indicates only direct group memberships will found, a positive number indicates the number of levels to go down. More In	ting is nd be fo
Compute authentication and identity assertion providers Manage security providers	Password Style Retained		Controls how a password is stored in the database when updating an existing password. More Info	user's
System Status Health of Running Servers as of 10:59 AM Equilad (0)	Password Algorithm:	SHA-512	The message digest algorithm used to hash passwords for storage. The name standard algorithm name and must be recognized by a Java Cryptography Ext (2CE) provider that is available at running. The Java Cryptography Architecture defines the standard algorithm specifications. More Info	is a ension ! (JCA)
r diicu (v)				· · · · · · · · · · · · · · · · · · ·

- 4. According to the Password Algorithm configured, update the **PASSWORD_HASH_ALGO** property value (Category SecurityConstants) in flx_fw_config_all_b table to the same value, that is SHA-512 or SHA-256 (SHA-256 & SHA-512 are supported, product default is SHA-512).
- 5. Property HashedPasswordGenerator in flx_fw_config_all_b table holds the fully qualified class name which will be used for generating hashed value of password. Product default class is com.ofss.fc.sms.local.service.password.SHASaltedHashedPasswordGenerator which supports hashed password generation using SHA-256 or SHA-512 algorithm. In case a different or custom algorithm is to be provided for hashing, respective class will have to be created for the same (which implements IUserHashedPasswordGenerator interface) and specified as value of HashedPasswordGenerator property.
- 6. In **Common** settings, set the Control Flag to **SUFFICIENT.**

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AuthenticatorBook - ui_domain - W × +				- o ×
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	Administration Console 12c			Õ
hange Center	Home Log Out Preferences	s 🔤 Record Help	Welcome,	weblogic Connected to: ui_domain
view changes and restarts	Home >Summary of Security Rea	Ims >myrealm >Providers >SQLAuthenticator		
to pending changes exist. Click the Release	Settings for SQLAuthenticate	or		
domain.	Configuration Performance			
Lock & Edit	Common Provider Specific			
Release Configuration	Save			
Domain Structure	This name displays basic inform	nation about this SOL Authentication provider. You can also use this page t	a set the 1885 Control Flag to control how this provider is used in the Jonin s	equence
Domain Partitions			-,,	
 Environment Deployments 	👸 Name:	SQLAuthenticator	The name of this SQL Authentication provider.	ore Info
Services Security Realms	👸 Description:	Provider that performs DBMS authentication	A short description of this SQL Authentication prov	ider. More Info
#=Interoperability ⊞=Diagnostics	🚱 Version:	1.0	The version number of this SQL Authentication pro	vider. More Info
	👸 Control Flag:	SUFFICIENT V	Specifies how this SQL Authentication provider fits Info	into the login sequence. More
	Save			
łow do I 🗉	i			
 Configure authentication and identity assertion providers 				
Set the JAAS control flag				
Configure the Password Validation provider				
Manage security providers				
System Status 🖂	Ì			

Figure 3–65 Common Settings

Following are the changes to be done in the config.xml:

- 1. Navigate to /scratch/app/product/fmw/user_projects/domains/ui_domain/config
- 2. Edit config.xml and add the below entries, which are marked in **bold**.

```
<sec:authentication-provider xsi:type="wls:sql-</pre>
authenticatorType">
<sec:name>SQLAuthenticator</sec:name>
<sec:control-flag>SUFFICIENT</sec:control-flag>
<wls:data-source-name>OBP SYS CONFIG</wls:data-source-name>
<wls:plaintext-passwords-enabled>false</wls:plaintext-
passwords-enabled>
<wls:sql-get-users-password>SELECT PASSWORD FROM USERS WHERE
LOWER(USER ID) = LOWER(?) AND IS ACTIVE = 'Y'</wls:sql-get-
users-password>
<wls:sql-user-exists>SELECT USER_ID FROM USERS WHERE LOWER
(USER ID) = LOWER(?) AND IS ACTIVE = 'Y'</wls:sql-user-exists>
<wls:sql-list-member-groups>SELECT G_NAME FROM GROUPMEMBERS
WHERE LOWER(G MEMBER) = LOWER(?) </wls:sql-list-member-groups>
<wls:sql-list-users>SELECT USER ID FROM USERS WHERE LOWER
(USER ID) LIKE LOWER(?) AND IS ACTIVE = 'Y'</wls:sql-list-
users>
<wls:sql-get-user-description>SELECT NAME FROM USERS WHERE
LOWER(USER_ID) = LOWER(?) AND IS_ACTIVE = 'Y'</wls:sql-get-
user-description>
<wls:sql-list-groups>SELECT ROLE NAME FROM ROLES WHERE ROLE
NAME LIKE ?</wls:sql-list-groups>
```

```
<wls:sql-group-exists>SELECT ROLE NAME FROM ROLES WHERE ROLE
NAME = ?</wls:sql-group-exists>
<wls:sql-is-member>SELECT G MEMBER FROM GROUPMEMBERS WHERE G
NAME = ? AND LOWER(G MEMBER) = LOWER(?)</wls:sql-is-member>
<wls:sql-get-group-description>SELECT ROLE DESCRIPTION FROM
ROLES WHERE ROLE NAME = ?</wls:sql-get-group-description>
<wls:password-style-retained>false</wls:password-style-
retained>
<wls:sql-create-user>INSERT INTO USERS VALUES (?, ?, ?, ?, ?,
?)</wls:sql-create-user>
<wls:sql-remove-user>DELETE FROM USERS WHERE LOWER(USER ID) =
LOWER(?)</wls:sql-remove-user>
<wls:sql-remove-group-memberships>DELETE FROM GROUPMEMBERS
WHERE LOWER(G MEMBER) = LOWER(?) OR G_NAME = ?</wls:sql-
remove-group-memberships>
<wls:sql-set-user-description>UPDATE USERS SET NAME = ? WHERE
LOWER(USER ID) = LOWER(?)</wls:sql-set-user-description>
<wls:sql-set-user-password>UPDATE USERS SET PASSWORD = ? WHERE
LOWER(USER ID) = LOWER(?)</wls:sql-set-user-password>
<wls:sql-create-group>INSERT INTO ROLES VALUES ( ? , ?
)</wls:sql-create-group>
<wls:sql-set-group-description>UPDATE ROLES SET ROLE
DESCRIPTION = ? WHERE ROLE NAME = ?</wls:sql-set-group-
description>
<wls:sql-remove-member-from-group>DELETE FROM GROUPMEMBERS
WHERE G NAME = ? AND LOWER (G MEMBER) = LOWER (?) </wls:sql-
remove-member-from-group>
<wls:sql-remove-group>DELETE FROM ROLES WHERE ROLE NAME =
?</wls:sql-remove-group>
<wls:sql-list-group-members>SELECT G MEMBER FROM GROUPMEMBERS
WHERE G NAME = ? AND LOWER (G MEMBER) LIKE LOWER (?) </ wls:sql-
list-group-members>
</sec:authentication-provider>
```

Note

The database configuration are as follows:

- The tables already created as part of DB based Policy configuration:
 - Users Table: FLX_SM_LOCAL_USERS
 - Groups Table: FLX_SM_LOCAL_APP_ROLES

- Members to Group mapping Table: FLX_SM_LOCAL_USR_ENT_ROLES
- To view Creation scripts:
 - 1. CREATE OR REPLACE VIEW USERS AS

SELECT NAME,

USER ID, FIRST_NAME,

LAST_NAME,

USER_DESCRIPTION,

PASSWORD,

MANAGER,

DEPARTMENT,

DATE_OF_BIRTH,

BUSINESS_EMAIL,

PREFFERED_LANGUAGE,

USER_HOME_BRANCH,

LAST_LOGIN_DATE,

TWOFA_NONACTIVE_BEGIN_DATE,

TWOFA_NONACTIVE_END_DATE,

TWOFA_STATUS,

BRAND,

IS_ENROLLED_FOR_TWOFA,

PARTY_ID,

CORPORATE_PARTY_ID,

FORUM_NICK_NAME,

ACCREDITATION,

TARGET_UNIT,

ACCESSIBLE_TARGET_UNIT,

IS_ACTIVE FROM FLX_SM_LOCAL_USERS;

2. CREATE OR REPLACE VIEW ROLES

(role_name, role_description)

AS

SELECT app_rl_ID, DESCRIPTION FROM FLX_SM_LOCAL_APP_ROLES;

3. CREATE OR REPLACE VIEW GROUPMEMBERS

(g_name, g_member)

AS

SELECT role_id, USER_ID FROM FLX_SM_LOCAL_USR_ENT_ROLES;

Note

The entries in SQLAuthenticator are as per these views.

- To configure the Virtualized Identity Store Provider:
 - 1. In Enterprise Manager, click on WebLogic Domain (under ui_domain), select Security > Security Provider Configuration to display the Security Provider Configuration page.

Figure 3–66 Service Provider Configuration

ui_domain (C	Dracle WebLogic Doma × +							-	ø ×
	C 🔐 🛛 🖉 mumi	00cpx.in.oracle.com:7001/em/faces/as-	weblogic-webl	ogicDomainHome nking Platfor ◊	?type=weblogic_domaii 24FMW Jira Dashboard 🔇	n⌖=%2FD •••	, BP DevOps - Your O	III\ 🗉 🛎	; ₩ Ξ
	ACLE [®] Enterprise Manager Fusi	ion Middleware Control 12c	_			6	WebLogic Domain	▼ weblogic	
	i_domain ()						∂ • ⊠ •	Auto Refresh	Off 🗸
Serve	Home	- 0					lut.	23, 2020 11:42:19	AM IST O
Clust	Monitoring Diagnostics Control Logs Environment	Name AdminServe Host mum00cpxi Listen Port 7001	r n.oracle.com						
	Deployments JDBC Data Sources	Security Administration Web Service Security	Ey						
	Messaging Cross Component Wiring	Application Policies Application Roles	ster	Machine	State	Health	Listen Port	CPU Usage (%)	Usag (ME
Depic	Web Services Other Services	System Policies Security Provider Configuration	ui_cluster1	ui_machine1	Running Running	ок	7001	0.00	536.2 1,194.9
	Administration Refresh WebLogic Domain	Audit Registration and Policy Credentials							
Doma	Security JNDI Browser	▶ Keystore Idden 34						Serve	rs 2 of 2

2. Expand Security Store Provider, then Identity Store Provider and click on Configure.



Figure 3–67 Identifying Store Provider for Configuration

3. Add a new Custom Property called virtualize with value true.

Figure 3–68 Adding Custom Property Virtualize with value True

Identity Store Configur	ration: ui_dor × +				
(←) → 健 @	(🛛 🔏 mum00cpx.in.oracle.com	7001/em/faces/as/security/idstoreConf?type=weblogic_domain⌖=%2FDomain_ui_do 🚥 叉	☆ Ⅲ\ 🗉 📽 Ⅲ	Ξ
OBP R271 FMW De	ev 🖸 OBP R24 FMW	Dev 🧿 OBP R271 FMW Testing 🧧	OBP R24 FMW Testing 🕒 Oracle Banking Platfor 💠 24FMW Jira Dashboard 💠 271FMW Jira Dashboard 🔀	OBP DevOps - Your O	
ORACL	Enterprise N	lanager Fusion Middleware Contro	l 12c	🖶 WebLogic Domain 🔻 🛛 weblogic 💌	
/Domain_ui_domai	a in 0 ogic Domain ▼ n/ui_domain > Securit	Y Provider Configuration > Identity Sto	re Configuration	Jul 23, 2020 11:47:13 AM IST 🖞	ย
 Information 					
Identity Store The identity store se properties here for t Use WebLogic Authentication Provider Configuration	e Configuratio	n configured to use the first Oracle We the store instance.	oLogic Server authenticator and does not require any special configuration. To fine-tune the behavior of all types of L	OK Canc DAP-based identity store providers configure	:el
	Property Name		Value		
Custom Properties	CONNECTION_P	DOL_CLASS	oracle.security.idm.providers.stdldap.JNDIPool		
	virtualize		true		

4. Click **OK** to save the changes.

- 5. Restart the Admin Server and Managed Server(s).
- To create adapters for using tables as Identity Store:
 - 1. Create a file named adapter_template_usergroup1.xml. This file is used to describe the mapping of the user table to a virtual LDAP store.

```
<?xml version = '1.0' encoding = 'UTF-8'?>
<adapters schvers="303" version="1"
xmlns="http://www.octetstring.com/schemas/Adapters"
xmlns:adapters="http://www.w3.org/2001/XMLSchema-
instance">
<dataBase id="directoryType" version="0">
<root>%ROOT%</root>
<active>true</active>
<serverType>directoryType</serverType>
<routing>
<critical>true</critical>
<priority>50</priority>
<inclusionFilter/>
<exclusionFilter/>
<plugin/>
<retrieve/>
<store/>
<visible>Yes</visible>
<levels>-1</levels>
<bind>true</bind>
<bind-adapters/>
<views/>
<dnpattern/>
</routing>
<pluginChains
xmlns="http://xmlns.oracle.com/iam/management/ovd/config
/plugins">
<plugins>
<plugin>
<name>DBGUID</name>
<class>oracle.ods.virtualization.engine.chain.plugins.db
guid.DBGuidPlugin
</class>
<initParams>
<param name="guidAttribute" value="orclguid"/>
</initParams>
</plugin>
</plugins>
<default>
<plugin name="DBGUID"/>
</default>
```

```
<add/>
<bind/>
<delete/>
<get/>
<modify/>
<rename/>
</pluginChains>
<driver>oracle.jdbc.driver.OracleDriver</driver>
<url>%URL%</url>
<user>%USER%</user>
<password>%PASSWORD%</password>
<ignoreObjectClassOnModify>false</ignoreObjectClassOnMod
ify>
<includeInheritedObjectClasses>true</includeInheritedObj</pre>
ectClasses>
<maxConnections>10</maxConnections>
<mapping>
<joins/>
<objectClass name="person" rdn="cn">
<attribute ldap="cn" table="USERS" field="NAME" type=""/>
<attribute ldap="uid" table="USERS" field="USER ID"
type=""/>
<attribute ldap="usernameattr" table="USERS" field="NAME"</pre>
type=""/>
<attribute ldap="loginid" table="USERS" field="USER ID"
type=""/>
<attribute ldap="description" table="USERS" field="NAME"</pre>
type=""/>
<attribute ldap="orclguid" table="USERS" field="USER ID"
type=""/>
</objectClass>
</mapping>
<useCaseInsensitiveSearch>true</useCaseInsensitiveSearch>
<connectionWaitTimeout>10</connectionWaitTimeout>
<oracleNetConnectTimeout>0</oracleNetConnectTimeout>
<validateConnection>false</validateConnection>
</dataBase>
</adapters>
```

2. Create a file named adapter_template_usergroup2.xml to describe the mapping of the group table to a virtual LDAP store.

```
<?xml version = '1.0' encoding = 'UTF-8'?>
<adapters schvers="303" version="1"
xmlns="http://www.octetstring.com/schemas/Adapters"
xmlns:adapters="http://www.w3.org/2001/XMLSchema-
instance">
```

```
<dataBase id="directoryType" version="0">
<root>%ROOT%</root>
<active>true</active>
<serverType>directoryType</serverType>
<routing>
<critical>true</critical>
<priority>50</priority>
<inclusionFilter/>
<exclusionFilter/>
<plugin/>
<retrieve/>
<store/>
<visible>Yes</visible>
<levels>-1</levels>
<bind>true</bind>
<bind-adapters/>
<views/>
<dnpattern/>
</routing>
<pluginChains
xmlns="http://xmlns.oracle.com/iam/management/ovd/config
/plugins">
<plugins>
<plugin>
<name>VirtualAttribute</name>
<class>oracle.ods.virtualization.engine.chain.plugins.vi
rtualattr.VirtualAttributePlugin
</class>
<initParams>
<param name="ReplaceAttribute"
value="uniquemember=
{cn=%uniquemember%, cn=users, dc=in, dc=oracle, dc=com}"/>
</initParams>
</plugin>
</plugins>
<default>
<plugin name="VirtualAttribute"/>
</default>
<add/>
<bind/>
<delete/>
<get/>
<modify/>
<rename/>
</pluginChains>
<driver>oracle.jdbc.driver.OracleDriver</driver>
```

```
<url>%URL%</url>
<user>%USER%</user>
<password>%PASSWORD%</password>
<ignoreObjectClassOnModify>false</ignoreObjectClassOnMod
ify>
<includeInheritedObjectClasses>true</includeInheritedObj</pre>
ectClasses>
<maxConnections>10</maxConnections>
<mapping>
<joins/>
<objectClass name="groupofuniguenames" rdn="cn">
<attribute ldap="cn" table="GROUPMEMBERS" field="G NAME"</pre>
type=""/>
<attribute ldap="description" table="GROUPMEMBERS"</pre>
field="G NAME" type=""/>
<attribute ldap="uniquemember" table="GROUPMEMBERS"
field="G MEMBER" type=""/>
</objectClass>
</mapping>
<useCaseInsensitiveSearch>true</useCaseInsensitiveSearch>
<connectionWaitTimeout>10</connectionWaitTimeout>
<oracleNetConnectTimeout>0</oracleNetConnectTimeout>
<validateConnection>false</validateConnection>
</dataBase>
</adapters>
```

- 3. Set below environment variables:
 - export MW_HOME=/scratch/app/product/fmw
 - export ORACLE_HOME=/scratch/app/product/fmw
 - export WL_HOME=/scratch/app/product/fmw/wlserver
 - export JAVA_HOME=/scratch/app/product/jdk1.8.0_231 (Modify as applicable)
- 4. Copy both the adapter files to <MW_HOME>/oracle_common/modules/oracle.ovd/templates
- 5. Open terminal window at <MW_HOME>/oracle_common/bin
- 6. Run the libovdadapterconfig script to create each of the two adapters from the template files above.

libovdadapterconfig -adapterName <name of adapter> -adapterTemplate <name (NOT including path) of template file which defines adapater> -host localhost -port <Admin Server port> -userName <user id of account which has administrative privileges in the domain> - domainPath <path to the BI domain> -dataStore DB -root <nominal specification of a pseudo-LDAP query to treat as the "root" of this adapter – must match that specified in template for adapter 2 above> -contextName default -dataSourceJNDIName <JNDI name for DataSource which points at the database being mapped>

For example:

./libovdadapterconfig.sh -adapterName userGroupAdapter1 -adapterTemplate adapter_ template_usergroup1.xml -host 10.180.26.213 -port 7001 -userName weblogic -domainPath /scratch/app/product/fmw/user_projects/domains/ui_domain/ -dataStore DB -root cn=users,dc=in,dc=oracle,dc=com -contextName default -dataSourceJNDIName jdbc/FCBDataSourceConfig

./libovdadapterconfig.sh -adapterName userGroupAdapter2 -adapterTemplate adapter_ template_usergroup2.xml -host 10.180.26.213 -port 7001 -userName weblogic -domainPath /scratch/app/product/fmw/user_projects/domains/ui_domain/ -dataStore DB -root cn=users,dc=in,dc=oracle,dc=com -contextName default -dataSourceJNDIName jdbc/FCBDataSourceConfig

The users created in database tables will be visible in WebLogic console under myrealm > Users and Groups.



Settings for myrealm - ui_domain - ×	ŀ		- 6
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	Administration Console 12c		
Change Center	Home Log Out Preference	is 🐼 Record Help	Welcome, weblogic Connected to: ui_dor
View changes and restarts	Home >Summary of Security Re	alms >myrealm >Users and Groups	
No pending changes exist. Click the Release	Settings for myrealm		
Configuration button to allow others to edit the domain.	Configuration Users and C	roups Roles and Policies Credential Mappings Providers Migration	
Lock & Edit	Users Groups		
Release Configuration			
Domain Etructure	This page displays informatio	n about each user that has been configured in this security realm.	
Domain Partitions	Customize this table		
thenvironment	Users (Filtered - More Co	lumns Exist)	
Services	New Delete		Shawing 1 to 9 of 9 Dravie up Novi
E-Interoperability			showing to coro ricindas files
Diagnostics	Name 🗠	Description	Provider
	LCMUser	This is the default service account for WebLogic Server Lifecycle Manager configuration updates.	DefaultAuthenticator
	obpsqluser	obpsqluser	SQLAuthenticator
	OFSSUser	OFSSUser	SQLAuthenticator
	_ OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
low do I	E T1010	T1010	SQLAuthenticator
Manage users and groups	T1020	T1020	SQLAuthenticator
Create users	T1030	T1030	SQLAuthenticator
Modify users	weblogic	This user is the default administrator.	DefaultAuthenticator
Delete users	New Delete		Showing 1 to 8 of 8 Previous Next
System Status	a		
lealth of Running Servers as of 12:05 PM			

Following are the data snapshot in the views created:

Select * from users;

Figure 3–70 Selecting from Users

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	veloper - select montusels,				- 0	
File Project Edit Session Tools Configure View Help Plug-Ins						1
🧔 select [∗] from users; X						\sim
SOL Output Statistics						
						1 -
Select * from users;						O
⊕▼ 🔒 🗁 💬 🖌 ▼ 至 🤉 # 🥒 🖀 ▽ ㅅ 📽 🔒 🔐 ▼ ■▼						
NAME USER_ID FIRST_NAME LAST_NAME DESCRIPTION PASSWORD	MANAGER DEPARTMENT	DATE_OF_BIRTH	EMAIL	PREFERRED_I	LANGUAGE	
▶ 1 T1020 - T1020 - T1020 - T1020 - T1020 - T1020 - SHA-1]9wHYvAkER4vxwglvIHYa6d04T5CtWLE=			T1020@oracle.com	en 👘		
2 T1030 ··· T1030 ··· T1030 ··· T1030 ··· T1030 ··· T1030 ··· (SHA-1)Z3zUKgmohLiT8KzK85Q8Nj15l9lkl0=			T1030@oracle.com	en 👘		
3 T1010 - T1010 T1010 T1010 T1010 SHA-1)pjvjBSK/Qx1LOkmnbkelEQFrQ6hVhq0=			T1010@oracle.com	en 👘		222
4 OFSSUser ··· OFSSUser ··· OFSSUser ··· OFSSUser ··· OFSSUser ··· SHA-1}1vmcfWnXcq/UupfBPjaosWkhfNmQG8g=			OFSSUser@oracle.com	en 🛛		
5 obpsqluser ··· obpsqluser ··· oBP ··· SQLUSER ··· obpsqluser ··· (SHA-1)oWle7nMkHnY5yMbT7f9gOysl48WqU2g=		8 8	obpsqluser@oracle.com	i en		-
<						>
Sunfmw_12214@10.180.24.33:1521/PDBRV ₩ 5 rows selected in 0.475 seconds						

Select * from roles;

Figure 3–71 Selecting from Roles



Select * from groupmembers;

Figure 3–72 Selecting from Groupmembers



The user is now created in the database and can log in.

70 | Oracle Banking Enterprise Default Management User Provisioning Guide

4 User Fields and Constraints

This chapter provides information on the user provisioning fields and related constraints.

4.1 User Fields Provisioned From OIM

You must follow the constraints (listed in the table below) to provision user to Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery irrespective of the constraints in OIM.

Irrespective of the field length allowed in OIM, you should restrict the field length to the specified values (in table below) for successful provisioning of user data. In case, if field length exceeds the specified limit, then data would be truncated and stored in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery.

The following table lists of user fields (provisioned from OIM) and its constraints.

Table	4–1	User	Fields

Field Name in OIM	Field Name in Collections Admin Application	Length	Mandatory (Y/N)	Modifiable (Y/N)	Comments
User Login	User Id	255	Y	N	You can modify this field name.
First Name	First Name	50	Y	Y	Users First Name
Last Name	Last Name	50	Y	Y	Users Last Name
Email	Email Address	70	Y	Y	Users Email address
Collections User	Heer Crown	20	Ν	v	This User Group represents User Group in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery.
Group	User Group	20	N	Ŷ	For every User, default User Group is populated in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery.
End Date	Date	N	Y	User's Log in expiry date.	

Note

User creation from Native Collections Admin Application is primarily discouraged. But in case of any failure in provisioning through OIM, you

can create or update the users through Native Collections Admin Application screen. Below are the constraints to be followed when user is to be created through Native Collections Admin Application:

- User login is not supported in lowercase. User login must be entered in uppercase only. (Same should be taken into account while creating user through OID or OIM.)
- Only system admin users will have access to create or modify users via Native Collections Admin screen.

Figure 4–1 Create User - Mandatory and Optional Attributes

Home Users × Create User	r ×				
Create User				Subm	it Save As 👻 Ca
Request Information					
Effective Date	Ċô				
Justification					
Basic Information			Manager		0
Middle Name		* Orga	nization		0
* Last Name		* u	ser Type	•	
E-mail		Displ	ay Name		
Account Settings					
User Login					
Password		0			
Confirm Password					
Account Effective Date	es				
	1 m				
Start Date	-				

Collections Mandatory Attributes:

- 1. First Name
- 2. Last Name
- 3. Email
- 4. User Login

Collections Optional Attribute:

1. End Date
5 Create, Modify, Delete Users using OIM

This chapter explains the process of creating and provisioning users using OIM.

5.1 Create and Provision Users

- 1. Log in OIM Identity Self Service.
- 2. Click **Users** and then click **Create**. The Create User tab opens.

|--|

			Sa	ndboxes Customize xelsysadm v		
c				Self Service Manage		
1	Home Users × Create User ×					
	Create User			Submit Save As v Cancel		
	A Request Information					
	Effective Date 11/13/2018					
	Test User					
	Justification					
			4			
	A Basic Information					
	First Name Bella	Manager		٩,		
	* Last Name	* User Type	Xellerate Users	Q,		
	E-mail	Display Name				
	Account Settings					
	User Login BellaSwan					
	Password ······	0				
	Account Effective Dates					
	Start Date					
	End Date					
	A Provisioning Dates					
	Provisioning Date					
export (1).xml					Show all	×

3. Provide the user details such as FirstName, LastName, UserLogin, Password, Organization='Xellerate Users', UserType and so on.

Figure 4–3 Input User Attributes

				Sandboxes Customize xelsysadm v	
ORAC	LE' Identity Self Service			Self Service Manage	
Home Users ×	Create User ×				
Create Use	r			Submit Save As v Cancel	
	Information				
Effective Dat	e 11/13/2018				
	Test User				
Justificatio	n				
			11		
✓ Basic Info	mation				
First Name	Bella	Manager		୍	
Middle Name		* Organization	Xellerate Users	Q,	
* Last Name	Swan	* User Type	Full-Time Employee V		
E-mail		Display Name			
Account S	ettings				
User L	ogin BellaSwan	0			
* Confirm Pass	word	0			
✓ Account E	ffective Dates				
Start Date	(in				
End Date	(in				
✓ Provisioni	ng Dates				
Provisioning	Date				

- 4. Click Submit.
- 5. In the Search Users page, click **Refresh**. The above created user is visible.

6. Click the above created user.

Figure	4_4	Search	and	select	the	added	User
i igui c		ocurcii	unu	301001	unc.	uuucu	0301

us Search	Diselau Narra			O Advanced						
Jedicii	Display Name	·		Auvanceu						
Actions	s ≖ View ≖	+ Create /	Edit Dir E	✓ Enable 🕒	Disable 💥 Del	ete 🔒 Lock Ac	count 🗗 Unlock	Account 🐑 Re	eset Password >>>	»
	User Login		Na N	Last Name	Organization	Number	E-mail	Identity Status	Account Status	
	12JUNE_PARTY		1	12June_Partyld	Xellerate Users			Active	Unlocked	*
	12JUNE_PARTY	ID_2		12June_Partyld_2	Xellerate Users			Active	Unlocked	-11
	1/JUL_1_TIMEZ	UNE		1/Jul_1_timezone	Xellerate Users			Active	Uniocked	
	10MAY_1		10	10May_1	Xellerate Users			Active	Uniocked	-1
	21MAT_1	MIT4		21May tapelunit	Vellerate Users			Active	Unlocked	-
	21MHT_INDETC			21mldy_idgeturini	Vellerate Lisers			Active	Unlocked	-11
	21 MAY CUSTO	101112		21 May Custom1	Vellerate Lizere			Active	Unlocked	-11
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	40CT2018_1			40d2018_1	Xellerate Users			Active	Unlocked	- 11
	40CT2018 2@C	RACLE.COM		40ct2018_2	Xellerate Users			Active	Unlocked	-11
	6 OCT 2018 16	BORACLE.COM		6 Oct 2018 1	Xellerate Users			Active	Unlocked	- 11
	8JAN@ORACLE	.COM		8jan	Xellerate Users			Active	Unlocked	- 11
	80CT_2018			8oct_2018	Xellerate Users			Active	Unlocked	1
	ACC_BU_TAR		A	Acc_Bu_TAR	Xellerate Users		Acc_Bu_TAR@	Active	Unlocked	- 11
	AMIT1.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	AMIT3.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	AMIT4.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	AMITS.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	AMIT6.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	AMIT7.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	AMITS.LNAME@	ORACLE.COM	A	Lname	Xellerate Users			Active	Unlocked	
	ANILK		ar	anik	Xellerate Users		anilk@oracle.com	Active	Unlocked	
	ANIL_NEW			anil_new	Xellerate Users			Active	Unlocked	
	BELLASWAN		B	Swan	Xellerate Users			Active	Unlocked	Ŧ
Page	1 (1-25 items) K < 1								
	4									F

7. Go to the Accounts tab.

Figure 4–5 Applications provisioned to User

Polla Swap						
	Enable 🙆 Disa	ble 🗶 Delete	A Lock Acco	unt - Uni ock Account	Reset Password	
<i>y</i> mouny			E COCK ACCO		O Reservassiona	
Attributes Roles En	titlements Accounts	Direct Reports Organ	nizations Admin R	oles		
Actions * View *	🕂 Request 🗙 F	Remove 🕥 Refresh	Ey 🔐 De	tach		
Application In	istance	Re Account Name	Provisioned On	Status	Account Type	Re ID Start Date
COLL_CONNE	CTOR_GTC	399	11/13/2018	Provisioned	Primary	11/13/2018 07:4
4						► F
pyright © 2001, 2017, Oracle	e and/or its affiliates. All righ	ts reserved				

8. Verify the COLL_CONNECTOR_GTC application is in **Provisioned** status.

5.2 Feature Configurations

Collections Admin Application provides feature configuration C1-USRPROV to specify default values of the following:

- Default User Group: Default Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User Group. It is used by system only. User should not add it manually. See the Day Zero Setup guide to get configured default user group.
- User Display Profile: Display profile value for Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User. Configure as per your environment.
 - User Expiry Date: Default value of User expiry date. If expiry date is not provided, this value is used. It should be in format YYYY-MM-dd.

Note

Feature Configuration can be updated using native Collections Admin Application screens.

Figure 4–6 Feature Configuration

*	Home 🗮 Menu 🧑	Admin <	History		(2) 1041
eatu	re Configuration			Bookmark Duplicate Delete Clear Save	Refresh
Main	Messages				
eature	Name C1-USRPROV	۹.			
ooture	Type User Provisionin	9			
escript	Userfh evisioning	custom propert			
ptions					
	Option Type	Sequence	Value	Detailed Description	
H 🕿	Default User Group +	1	CLAHOSTUSER	Default user group value. It is used by system only.	
H 🕿	User Display Profile +	1	NORTHAM	Display profile value for user.	
+ =	User Expiry Date •	-	2100-01-01	Default user expiry date value. It should be in format YYYY-MM-DD.	
	User Expry Date		Samoun	YYYY-MM-DD.	

5.3 Modify Users

Once user is added, it can be modified. Following are the modifiable fields:

- First Name
- Last Name
- Collections User Group
- Email
- End Date

You can search and modify the user. To search for user:

- 1. Log in to Oracle Identity Self Service.
- 2. In the Manage tab, you can search for the user from Users tab.
- 3. Click the searched user data to view its detail.

Figure 4–7 Searching User

Home Users ×						
USEIS						
Search Display Name 🔻	Q Advanced	1				
Actions v View v + Create	🖌 Edit 🖂 Enable 😋	Disable 🗶 Delete 🔒 Lo	k Account 📄 Unlock	Account 🐑 Re	set Password >> >>	
User Login	Dis F Na N Last Name	Organization Telephone Number	E-mail	Identity Status	Account Status	
12JUNE_PARTYID	1: 12June_Partyld	Xellerate Users		Active	Unlocked	
12JUNE_PARTYID_2	12June_Partyld_2	2 Xellerate Users		Active	Unlocked	
17JUL_1_TIMEZONE	17Jul_1_timezone	Xellerate Users		Active	Unlocked	
18MAY_1	18 18May_1	Xellerate Users		Active	Unlocked	
21MAY_1	21May_1	Xellerate Users		Active	Unlocked	
21MAY_TAGETUNIT1	21May_tagetunit1	Xellerate Users		Active	Unlocked	
21STMAY_TARGETUNIT2	21stMay_target	Xellerate Users		Active	Unlocked	
21_MAY_CUSTOM1	21_May_Custom1	Xellerate Users		Active	Unlocked	
22NDMAY_ACCESSIBLEBU	22ndMay_Acces.	. Xellerate Users		Active	Unlocked	
40CT2018_1	40ct2018_1	Xellerate Users		Active	Unlocked	
40CT2018_2@ORACLE.COM	40ct2018_2	Xellerate Users		Active	Unlocked	
6_OCT_2018_1@ORACLE.COM	1 6_Oct_2018_1	Xellerate Users		Active	Unlocked	
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AMITTERAMEGORACLE.COM	Ai Lname	Xellerate Users		Active	Unlocked	
AMITA LINAMEROPACI E COM	Ai Lname	Yellerate Users		Active	Unlocked	
AMITS I NAME@ORACLE.COM	Ai Lname	Xellerate Users		Active	Unlocked	
AMIT6 LNAME@ORACLE.COM	Ai Lname	Xellerate Users		Active	Unlocked	
AMIT7.LNAME@ORACLE.COM	Ai Lname	Xellerate Users		Active	Unlocked	
AMITS LNAME@ORACLE.COM	Ai Lname	Xellerate Users		Active	Unlocked	
ANILK	ar anilk	Xellerate Users	anilk@oracle.com	Active	Unlocked	
ANIL_NEW	anil_new	Xellerate Users		Active	Unlocked	
BELLASWAN	Bi Swan	Xellerate Users		Active	Unlocked -	
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Home Users × User Details : E	Bella Swan ×				
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/ Modify 🗸 Enable	Disable × D	elete 🔒 Lock Account 📑	UnLock Account	Reset Passwo	rd
Attributes Roles Entitlements	s Accounts Direct Reports	Organizations Admin Roles			
					💙 Refresh
Basic Information					
First Name	Bella	Organization	Xellerate Users		
Middle Name		User Type	Full-Time Employee		
Last Name	Swan	Account Status	Unlocked		
Xellerate Type	false	User Login	BELLASWAN		
E-mail		Identity Status	Active		
Manager		Display Name	Bella Swan		
Account Effective Dates	5				
Start Da	ate				
End Da	ate				
Provisioning Dates					
Provisioning Da	ate				
Deprovisioning De	ate				
Contact Information					
Telephone Number		Postal Address			
Home Phone		PO Box			

Figure 4–8 Detailed Information about the User

To modify a user:

- 1. Click **Modify** to open Modify User page.
- 2. Modify the user details as per the requirement.
- 3. Click **Submit**. If the user details are valid (that is, if it does not violate any validation) then user details are modified. A message appears on successful completion of the modify operation. This does not guarantee successful modification of the user in Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery.

Operation completed successfully	A		Self Se	rvice 💑 Manage
e Users × User Details : Bella Swa	n x			
Bella Swan Modify ✓ Enable ©	Disable X Delete 🔒 Lock Account 📄	UnLock Account	Reset Password	
ributes Roles Entitlements Accord	Direct Reports Organizations Admin Roles			t) Refresh
Basic Information				
First Name Bella	Organization	Xellerate Users		
Middle Name	User Type	Full-Time Employee		
Last Name Swan	Account Status	Unlocked		
Xellerate Type false	User Login	BELLASWAN		
E-mail	Identity Status	Active		
Manager	Display Name	Bella Swan		
Account Effective Dates				
Start Date				
End Date				
Provisioning Dates				
Provisioning Date				
Deprovisioning Date				

Figure 4–9 Modify User Confirmation

- 4. In User Details page, open the Accounts tab. If Resource Name is COLL_CONNECTOR_GTC Collection User and Status is Provisioned, then user details are successfully modified and provisioned to Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery.
- 5. If the data does not appear when the user is added, click **Refresh**.

Figure 4–10 Viewing Modified and Provisioned User Details

ORACLE [®] Identity Self Service			S S	elf Serv	ice 🔥 Manage
Home Users × User Details : Bella Swan ×					
Bella Swan Modify Enable Disable Delete Attributes Roles Entitlements Accounts Direct Reports Organ	Lock Accou	nt 🖬 UnLock Account	₽) Reset Password		
Actions 🔻 View 👻 🕂 Request 💥 Remove 🕥 Refresh	Det	ach			
Application Instance Resource	Ac Provisioned Na On	Status	Account Type	Re ID	Start Date
COLL_CONNECTOR_GTC COLL_CONNECTOR_GTC	11/13/2018	Provisioned	Primary		11/13/2018 07:4 ►

6. Select the account to view the modified values in **Detail Information** section.

- 7. To modify the Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery User Group, follow the below steps:
 - a. In the **Accounts** tab, select the account that you want to modify.
 - b. From the Actions menu, select Modify.

Figure 4–11 Modify Detail Information

	r Details : Bella Sv	van ×				œ
a Bella Swan						
/ Modify	Enable	Disable X Delete	🔒 Lock Accor	Int En UnLock /	Account 🐑 Reset Passwo	rd
ributes Roles E	ntitlements Acco	ounts Direct Reports Or	ganizations Admin R	bles		
Actions 🔻 View 💌	+ Request	💥 Remove 🕤 Refre	sh 🖙 🗟 Det	ach		
+ Request	F	Resource	Ac Provisioned	Status	Account Type	Re Start Date
🗙 Remove	rc d	COLL_CONNECTOR_GTC	11/13/2018	Provisioned	Primary	11/13/2018 07:4
Modify						
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Make Finally Resource History Reset Password Service Account SampleFormUD_O	RMUSERG	•				
Resource Histor Reset Password Service Account SampleFormUD_0 + × userGroup	RMUSERG	5 1				
Resource History Reset Password ervice Account	y					

Figure 4–12 Edit Detail Information

		Self Service Manag
me Users × User Details : Bella Swan × Modify A	Account ×	
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Target Users	Request Information	
ame ella Swan	Effective Date	
	Justification	
		1
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c. Click Update and then Submit.

d. To view the changes, go to the **Accounts** tab in **User Details** page and click **Refresh**. Select the account again to view the modified group in **Detail Information** section.

e Users × User Details : Bella S	Swan ×				
Bella Swan					
🕈 Modify 🛛 🗸 Enable	Disable X Delete	Lock Account	UnLock Account	Reset Password	
outes Roles Entitlements Acc	counts Direct Reports Organi	zations Admin Roles			
tions v View v + Request	🗙 Remove 🕥 Refresh	Detach			
Application Instance	Resource	Ac Na Provisioned On	Status	Account Type	Re ID Start Date
COLL_CONNECTOR_GTC	COLL_CONNECTOR_GTC	11/13/2018	Provisioned	Primary	11/13/2018
Details	formation				
DLL_CONNECTOR_GTC Detail In	formation				
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A Details containerID objectclass User ID ervice Account	iformation				

Figure 4–13 Viewing Changes

5.4 Delete Users

Once user is successfully provisioned, it can be deleted. Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery supports soft delete, that is, it only expires User. User deletion request for Oracle Banking Enterprise Collections and Oracle Banking Enterprise Recovery will only trigger when **Create User provisioning** task is complete for that particular request, that is, it doesn't appear in open task list.

- If User provisioning request has failed then rectify the problem and complete Create User provisioning request, if required.
- If User is already provisioned then, mark Create User provisioning task as manually complete.

You can search and delete user. You can search for the user from **Search** panel and then click the searched user data to view its detail.



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AMIT3_LNAME@ORACLE.COM Al Lname Xelerate Users Active Unlocked AMIT4_LNAME@ORACLE.COM Al Lname Xelerate Users Active Unlocked AMIT5_LNAME@ORACLE.COM Al Lname Xelerate Users anik@oracle.com Allocked		AMIT1.LNAME@ORACLE.COM	A	u Lname	Xellerate Users			Active	Unlocked	
AMITA LNAME@ORACLE COM A L name Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM A L name Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM A L name Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM A L name Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM AL Lname Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM AL Lname Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM AL Lname Xelerate Users Active Unlocked AMITS LNAME@ORACLE COM AL Lname Xelerate Users Active Unlocked		AMIT3.LNAME@ORACLE.COM	A	u Lname	Xellerate Users			Active	Unlocked	
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AMIT5_LNAME@ORACLE_COM AL Iname Xelerate Users Active Unlocked AMIT6_LNAME@ORACLE_COM AL Iname Xelerate Users Active Unlocked AMIT6_LNAME@ORACLE_COM ar anilk Xelerate Users anile@oracle.com Active Unlocked		AMITE LNAME ORACLE.COM	A	u Lname	Xellerate Users			Active	Unlocked	
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		ANILK		r anilk	Xellerate Users		anilk@oracle.com	Active	Unlocked	
ANIL_NEW anil_new Xelierate Users Active Unlocked		ANIL_NEW		anil_new	Xellerate Users			Active	Unlocked	
BELLASWAN B: Swan Xellerate Users Active Unlocked		BELLASWAN	E	k Swan	Xellerate Users			Active	Unlocked	-
	Page	1 (1-25 items) K < 1] →							

Figure 4–15 View User Details

			Sandboxes Customize	xelsysadm 🔻
ORACLE [®] Identity Self Service			Self Serv	vice 🍰 Manage
Home Users × User Details : Bella Swan ×				
🔒 Bella Swan				
✓ Modify ✓ Enable	Delete 🔒 Lock Account	UnLock Account	Reset Password	
Attributes Roles Entitlements Accounts Direct Report	rts Organizations Admin Roles			
				Refresh
Basic Information				
First Name Bella	Organization	Xellerate Users		
Middle Name	User Type	Full-Time Employee		
Last Name Swan	Account Status	Unlocked		
Xellerate Type false	User Login	BELLASWAN		
E-mail	Identity Status	Active		
Manager	Display Name	Bella Swan		
Start Date				
End Date				
Provisioning Dates				
Provisioning Date				
Deprovisioning Date				
Telephone Number	Postal Address			
Home Phone	PO Box			

1. Click Delete Icon to delete user.

User authentication happens on data stored in OID. If user details are not available in OID then the user will no more be an authenticated user.

6 Create, Modify, Delete Users using DB Based Configurations

This chapter explains the process of creating and provisioning users using DB based configurations.

6.1 Create and Provision Users

To create users:

1. Create the application role from the Define Application Role (Fast Path: SM002) page.

Figure 4–16 Define Application Role (Fast Path: SM002)

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		Fast Path/Screen Name 🔍 🗮 🦷	Posting Date autouser - COM
SM <u>0</u> 02 ×			
Define Application Role		E Read Dydate	🖻 Print 🗸 OK 🧷 Clear 🗙 Exit
Application Role Details			
* Role ID	* Role Name	* Description	* Type Acti
CollBKSpecialist	BK Specialist	BK Specialist	Internal
OfflineRole	OfflineRole	OfflineRole	Internal
CinManagerCin	CInManagerCIn	ClnManagerCln	Internal
Administrators	Administrators	Administrators	Internal
CInCollectorErPmtMd	CInCollectorErPmtMd	CInCollectorErPmtMd	Internal
•			•
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			11/19/2020 *

Entries move in the FLX_SM_LOCAL_APP_ROLES table.

2. Create the enterprise role and link application role to it from the Define Enterprise Role (Fast Path: SM003) page.

Figure 4–17 Define Enterprise Role (Fast Path: SM003)

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		Fast Path/Screen Name 🔍 📃 ★	Nov 01, 2007
☆ SM <u>0</u> 02 × SM003 ×			
Define Enterprise Role		<u>III R</u> ead ② <u>U</u> pdate	🖶 Print 🗸 OK 🖉 Clear 🗙 Exit
Enterprise Role Details			
* Role ID	* Role Name	* Application Role	Action
CollBKSpecialist	CollBKSpecialist	$Offline Role \ - \ Offline Role; \ Cln Collector ErLst Md \ - \ Cln Collector ErLst M$	A
OfflineRole	OfflineRole	OfflineRole - OfflineRole	
CInCollectorErLstMd	CInCollectorErLstMd	CInCollectorErLstMd - CInCollectorErLstMd	
ClnCollectorDialer	CInCollectorDialer	ClnCollectorDialer - ClnCollectorDialer	
ClnSupervisorCln	ClnSupervisorCln	ClnSupervisorCln - ClnSupervisorCln	-
https://10.40.64.101:8002/com.ofss.fc.ui.view.obec/#			
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Entries moves in the FLX_SM_LOCAL_ENT_ROLE and FLX_SM_LOCAL_ENT_APP_LNK tables.

3. Create user and link enterprise role to user from the Manage User Creation (Fast Path: SM004) page.

Figure 4–18 Manage User Creation (Fast Path: SM004)

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	Fast Path/Screen Name Q 🗄 ★ 🗙 Posting Date Nov 01, 2007 autouser - 📼
☆ SM002 × SM003 × SM004 ×	
Define Manage User Creation	💷 Read 🕂 Create 🐵 Update 🖶 Print 🗸 OK 🗷 Clear 🗙 Exit
User Details	Î
* User ID stalinmi	
Personal	
* Name Mike1 Stalin1	Middle Name
* Email Id manojkumar.mantri1@oracle.com	Phone Number 4403409997
* Preferred Language English	Administrator Description
Profile	
* User ID stalinmi	Is Active v Nov 01, 2007
🖬 🔎 🛱 🤮 🔳 💁 🧕 🦉 🖬 🏀 🐘 🔮 🗉	1232 PM 11/19/2020

Entries move in the FLX_SM_LOCAL_USERS and FLX_SM_LOCAL_USR_ENT_ROLES tables.

4. Policy for the services with respect to each role can be applied using the Policy Management (Fast Path: SM502) page. This helps in deriving which activities can be performed by which role. User can add or delete the role and grant access for the service.

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Polic	y Management				🗸 O <u>K</u> 🖉 C <u>l</u> ear	r 🗙 E <u>x</u> it
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($\label{eq:construction} ClnCollector ErLstMd-com.ofss.fc.appx.collection.service.search.AccountCentricAdvanceSearchApplicationServic$	GRANT	PERFORM	CInCollectorErLstM	CInCollectorE	
(ClnSupervisorCln-com.ofss.fc.appx.collection.service.search.AccountCentricAdvanceSearchApplicationServiceS	GRANT	PERFORM	ClnSupervisorCln-c	CInSuperviso	•
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Figure 4–19 Policy Management (Fast Path: SM502)

Note that seed will be applied of policy entries for product shipped roles.

Tables include FLX_SM_LOCAL_RESOURCES, FLX_SM_LOCAL_POLICY_ENTRY and FLX_SM_ LOCAL_RES_POENT_LNK.

User Provisioning

User provisioning is achieved in two ways:

- User Creation: While administrator creates a user ID from Manage User Creation (Fast Path: SM004) page, system verifies the role linked to user created and compares in table flx_fw_config_all_b where prop_id='collection.roles'.
 - If role present in the table, an entry is created in Collections Admin (SC_USER and its respective tables) with pre-configured values as per feature configuration C1-USRPROV.
 - If role of new user created not present in flx_fw_config_all_b table, then no entry created for Oracle Banking Enterprise Collections as part of user provisioning.
- User Access to Collections Service or Page:
 - If Oracle Banking Enterprise Collections UI or service is called by user, that user is provisioned in Oracle Banking Enterprise Collections.
 - An entry is created in Collections Admin (SC_USER and its respective tables) with preconfigured values as per feature configuration C1-USRPROV.

Note

- The entry in FLX_FW_CONFIG_ALL_B with prop_ id=collection.roles is also used for showing the Collector Dashboard (Fast Path: COLL100) as the home page.
- If factory_shipped_flag is Y, then the dashboard of users linked to roles in prop_value will have COLL100 as default home page.
- But for user provisioning the factory_shipped_flag = Y or N check is not done, system picks the role mentioned in prop_ value by default.

7 Verification

This chapter details the verification of the configurations performed for OIM.

7.1 Verification of OIM Configuration

To verify OIM configuration, follow the steps:

1. Ensure that OID details are populated properly as per the environment used (under IT Resource details for Directory Server). Verify whether the server URL is in the following format:

Idap ://< OID IP> :< OID PORT>.

If **Connection pooling supported** flag is true, then update the parameter value to false. Current implementation is tested with Connection pooling supported flag to be false.

Figure 5–1 Viewing IT Resource Details and Parameters

View IT Resource Details and Parameters	
You can view additional information about this IT resource : Details and	Parameters 💌
IT Resource Name	Directory Server
IT Resource Type	Directory Server
Parameter	Value
Abandoned connection timeout	600
Admin Login	cn=orcladmin
Admin Password	******
Changelog Container	cn=changelog
Connection pooling supported	faise
Connection wait timeout	120
Date Format	yyyy/MiddHimmss
Inactive connection timeout	600
Initial pool size	5
Max pool size	10
Min pool size	5
Pool preference	Default
ResourceConnection class definition	oracle.iam.ldapsync.impl.repository.LDAPConnection
Search Base	dc=i-flex,dc=com
Server SSL URL	
Server URL	ldap://10.180.25.56:3060
Target supports only one connection	false
Timeout check interval	60
Use SSL	false
User Reservation Container	cn=Users,dc=i-flex,dc=com
Validate connection on borrow	true

 While creating User from OIM, an exception Unable to find attributes in OID schema may occur for following attributes. If such issue is faced, ensure the following attributes are present in OID Schema and are added to object class orclIDXPerson as optional attributes. (Required for OIM functioning).

Table 5–1 OID schema attributes				
Attribute Name	Syntax			
Orclpwdexpirationdate	Generalized Time			
Orclpwdchangerequired	Boolean			
Orclaccountenabled	Boolean			
Orclaccountlocked	Integer			

Note

The above mentioned attributes are added only for OIM functioning.

7.2 Verify Users in Native Collections Admin Application

Following steps are required to verify users in native Collections Admin Application after provisioning:

1. Log in to native Collections Admin Application UI using administrative credentials.

http://<Host>:<Port>/CollectionAdmin/cis.jsp

Figure 5–2 Login screen

	ORACLE
	User ID
Pi	Password
	Login
	Language English

2. Navigate to User screen from **Menu > Admin > U > User**.

Figure 5–3 User Screen - User Navigation

ORACLE' Oracle Banking Enterprise Default Management Admin	About	ManojM US 🔻
☆ Home		🕜 Help
Concele Banking Enterprise Default Management Admin Admin Hostory User Admin Hostory User Admin Hostory Admin H	About (Bookmark, Citer, Sev Owner Outlon User Type Portias Profile User ID Q Favorites Profile User ID Q	ManojM US Help Refresh ref Modfication

Figure 5–4 User Screen - Main Tab

3. Click **Search** icon. User Search dialog window is displayed. To search for a user, enter **User ID** and click **Search**.

Figure 5–5 Searching Particular User

🖞 User Search	- Google Chr	ome	-	-	A Distance limit		🗴 🕒 Summary of Servers - host_dom: 🗙 🕒 OBP DevOps - Your OBP Landing 🗙 🕂
A Not secu	re https: /	/10.180.26.232	:8002/Collectio	nAdmin/uiPage/	/atUserSearchPage?language=ENG		★ ○ 智
User ID	BSWAN					Search .	🖥 Evironment Details 🔰 ipa 🦱 afstable I Space Searci 📑 eib 📑 weblooic 👻 JIRA 🚍 java docs
Login ID						Search	About 0 ManoiM
Last Name						Search	
First Name							
User ID I	Login ID	Last Name	First Name	User Type			Bookmark Clear Save Refresh
							Owner
							User Enable
							User Type
							Portais Profile User ID
							Favorites Profile User ID
							J



ORACLE' Oracle Banking Enterprise D	efault Management Admin	About 🚯 ManojM US 🔻
i Home 🗮 Menu 🕜 Admin 🔇 History		😮 Help
User Main To Do Roles Access Security Portal Preferences 1	Bookmarks Favorite Links Favorite Scripts Characteristics Miscellaneous	Bookmark Duplicate Delete Clear Save Refresh
User ID BSWAN Q		Owner Customer Modification
Lan Name Swan First Name Bela Language English • Opties D NORTHAM Q, North America Time Zone Q, Email Addess Anabheard Wom 200		User Enable Enable User Type Pontals Profile User ID Favorites Profile User ID
Home Page 52 To Do Summary Age Bar To Do Entries Less Than 100 Days Old Should Be Gre To Do Entries More Than 300 Days Old Should Be Rec	Q en	
User Group	Expiration Date Owner	
🕈 👔 ALL_SERVICES	(1-38-2021 🖬 Customer Modification	

7.3 Create Users in Collections Admin Application

Follow below steps to create user in Collections Admin Application.

1. Log in to native Collections Admin Application UI using administrative credentials.

http://<Host>:<Port>/CollectionAdmin/cis.jsp

Figure	5–7	Login	screen
--------	-----	-------	--------

C	DRACLE [®]
User ID	
Password	
	Login
14	anguage English

2. Navigate to User screen from **Menu > Admin > U > User**.

Figure 5–8 User Navigation

ORACLE [®] Oracle Banking Enterprise Default Management Admin About					
r∰ Home ≡ Menu 🙆 Admin History	Help				
Key Clear Case banking Endprise Datauit Management Admin Key Clear Case banking Endprise Datauit Management Admin Key Clear Case banking Endprise Key Clear Case band Case banking Endprise Key Clear Case banking Endprise K	Help				
User Group User Group Customer Modification + * * * * * * * * *	•				

Figure 5–9 User Screen - Main Tab

ORACLE Oracle Banking Enterprise Default Management Admin	About 🜖 🛛 ManojM US 🔻
rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr	😢 Неір
User Main To Do Roles Access Security Portal Preferences Boolmarks Favorite Links Favorite Scripts Characteristics Miscellaneous User ID	Bookmatk Clear Save Refinsh Owner
Lagn D Lise First Name Lise Language October Display Profile Q Display Profile Q Email Address Deschoold Vide Language October Display Profile Q Email Address Deschoold Vide Losshoold Vide Poil Do Sexmany Ark Bar Cotober	vr Enable vr Tipes vr Enable vr Tipes vr Enable vr Tipes vr Tipes vr Enable
To Do Entries Less Than 0 Days Old Should Be Green To Do Entries More Than 0 Days Old Should Be Red User Group Expration Date Owner ↑ ① ⊕ ○ Q Entries Less Than 0 Days Old Should Be Red	

- 3. In the User page, enter the following details in the respective fields:
 - User Id: OIMOBPCO
 - Login Id: OIMOBPCOLL
 - First Name: OIMOBPCOLL
 - Last Name: OIMOBPCOLL
 - Language: English

- Display Profile ID Tender Source: NORTHAM
- Email Address: OIMOBPCOLL@oracle.com (This is a sample email address. Provide valid administrator email address)
- Dashboard Width: 200
- Home Page: c1_ormbhTabMenu
- To Do Entries <: 50
- To Do Entries >: 100
- User Group: CLNHOSTUSER with Expiration Date: 01-01-2100 (add expiration date as per requirement)
- User Enable: Select Enable
- 4. Click Save.

Figure 5–10 User Screen

ORACLE' Oracle Banking Enterprise Default Man	nagement Admin	About	🚺 ManojM US 🔻
i Home 🗮 Menu 🥖 Admin 🔾 History			🕜 Help
User Main To Do Roles Access Security Portal Preferences Bookmarks	Favorite Links Favorite Scripts Characteristics	Bookmark Duplicate Delete Clear San	re Refresh
User ID OFSSUSER Q		Owner Custo	omer Modification
Login ID OFSSUSER			
Last Name Ofssuser		User Enable Enable •	
First Name Ofssuser		User Type 🔻	
Language English v		Portals Profile User ID	
Display Profile ID NORTHAM Q North America		Favorites Profile User ID	
Time Zone			
Email Address			
Dashboard Width 200			
Home Page 💽			
To Do Summary Age Bar			
To Do Entries Less Than 50 Days Old Should Be Green			
To Do Entries More Than 100 Days Old Should Be Red			
User Group	Expiration Date Owner		•
+ 💼 🎫 ALL_SERVICES 🔍 System User Group	01-01-2100 🛗 Customer Modification		
+ 📋 😳 C1_CLSERVICES 🔍 🔍 All Services(C1- Collection Admir	n) 01-01-2100 🎬 Customer Modification		

5. OIMOBPCOLL User is successfully created.