Connector Credential Store Guide Oracle Banking APIs Patchset Release 21.1.3.0.0

Part No. F40802-01

November 2021

# ORACLE

Connector Credential Store Guide November 2021

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2006, 2021, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

# **Table of Contents**

1.	Pref	face	1–1
1.	.1	Intended Audience	1–1
1.	.2	Documentation Accessibility	1–1
1.	.3	Access to Oracle Support	1–1
1.	.4	Structure	1–1
1.	.5	Related Information Sources	1–1
2.	Ste	ps to Create Credential Mapping	2–1

# 1. Preface

## 1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

## 1.2 **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc</a>.

## 1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs\_if you are hearing impaired.

### 1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters describes following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

### 1.5 Related Information Sources

For more information on Oracle Banking APIs Patchset Release 21.1.3.0.0, refer to the following documents:

Oracle Banking APIs Installation Manuals



# 2. Steps to Create Credential Mapping

In WebLogic, go to Deployments, and click on com.ofss.digx.connector

Home Log Out Preferences 🔐 Record Help Connected to: obdx_dor														
Immary of Deployments														
onfiguration Control Monitoring														
This page displays the list of Java EE applications and standalone application modules installed to this domain. You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page. To install a new application or module for deployment to targets in this domain, click <b>Install</b> . <b>Customize this table</b>														
Deployments Install Update Delete Showing 1 to 76 of 76 Previous   Next Name State Health Type Targets Deployment Order														
	Name 🐟	Dele	te					2	State	Health	Туре	Sł Targets	howing 1 to	76 of 76 Previous   N
									<b>State</b> Active	Health	Type Resource Adapter		howing 1 to	
	Name 🚕	s.digx.con						A				Targets	howing 1 to 3	Deployment Order
	Name 🚕 <mark>@</mark> com.ofs	s.digx.con -access						A	Active	🖋 ок	Resource Adapter	Targets obdx_cluster	howing 1 to 1	Deployment Order
	Name ☆ <mark>@ com.ofs</mark>	-access -account	nector					A A A	Active Active	<ul><li>✓ ок</li><li>✓ ок</li></ul>	Resource Adapter Web Application	Targets obdx_cluster obdx_cluster	howing 1 to	Deployment Order
	Name 🊕 orginal com.ofs E 👩 digx- E 🗿 digx-	s.digx.con -access -account -accounta	nector					A A A A	Active Active Active	<ul> <li>✓ ок</li> <li>✓ ок</li> <li>✓ ок</li> </ul>	Resource Adapter Web Application Web Application	Targets       obdx_cluster       obdx_cluster       obdx_cluster	howing 1 to	<b>Deployment Order</b> 0 100 100
	Name com.ofs 1 a digx- 1 a digx- 1 a digx-	s.digx.con -access -account -accounta -accounta	nector					A A A A A	Active Active Active Active	<ul> <li>✓ ок</li> <li>✓ ок</li> <li>✓ ок</li> <li>✓ ок</li> </ul>	Resource Adapter Web Application Web Application Web Application	Targets       obdx_cluster       obdx_cluster       obdx_cluster       obdx_cluster	howing 1 to	Deployment Order 0 100 100
	Name & Com.ofs D a digx- D a digx- D a digx- D a digx-	s.digx.con -access -account -accountre -accountre -alerts	nector					A A A A A A	Active Active Active Active Active	<ul> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> </ul>	Resource Adapter Web Application Web Application Web Application	Targets       obdx_cluster       obdx_cluster       obdx_cluster       obdx_cluster       obdx_cluster	howing 1 to 1	Deployment Order 0 100 100 100 100

### Fig.1 Deployed rar com.ofss.digx.app.connector,

Click Security->Outbound Credential Mapping. This will display Outbound Credential Mappings table.

Overview Configuration Security	Control Testing Monitoring	
Roles Policies Outbound Crede	ntial Mappings Inbound Principal Happi	ings Principals
default outbound credential imagings contains the table of outbound creden Customize this table Contestion (Credential Contestion)		entes in the Enterprise Information System (ESS) to which you want to connect using a resource adapter. You can us source adapter, or specify particular extbound credential mappings for individual connection pools. This page
New Delete		Showing 0 to 0 of 0 Previous   Ner
the second second	EIS User	
WLS User 24	ET2 ONE	Outbound Connection Pool
WLS User Ps	ELS OW	OutBound Connection Pool There are no items to display

### Fig.2 Shows setting for com.ofss.digx.connector.rar

 Click on New to add new credentials. This will display screen to create new security credential map entry. Also it shows Outbound Connection pool table. This table has Outbound Connection pool entry for each connection instance in weblogic-ra.xml in Resource Adapter along with default connection pool.



Create a New Security Credential Mapping						
Back Next Finish Cancel						
Outbound Connection Pool						
Which Outbound Connection Pool would you like the credential map to be associated with? Selecting Resource Adapter Default will configure the credential mapping for all Outbound Connection Pools in this resource adapter. Each Outbound Connection Pool can then configure themselves to override these credentials.						
© Customize this table						
Create a New Security Credential Hap Entry for:						
Showing 11 to 17 of 17 Previous   Next						
Outbound Connection Pool A						
a/DGKConnector/ESCHAIT						
a/DIG/Connector08CFPM						
R/DGXCometar08LM						
a (DIG/Cometor085CF						
a (DIGXConnectorOBTFPM						
a,DIGXConnector08/AM						
Resource Adapter Default						
Showing 11 to 17 of 17 Previous   Next						
Back Next Finish Cancel						

Fig.3 Shows Outbound Connection pool table. Fig 3.1 shows corresponding weblogic-ra.xml file

• Select Outbound connection pool to associate the credential map. And click Next. This will show screen to select weblogic server user.

ninistration Console 12c		ç			
🔒 Home Log Out Preferences 🔤 Record Help	Q Welcome, weblogic C	Connected to: obdx_xa			
Home >Summary of Deployments >com.ofss.digx.connector.rar >Roles					
Create a New Security Credential Mapping					
Back Next Finish Cancel					
WebLogic Server User					
Select the WebLogic Server User that you would like to map an EIS user to. Selecting 'User for creating initial connections' will configure the user that will be used for creating the initial connections' when the resource adapter is first started. Selecting 'Default User' will configure the user that will be used as the default for any authenticated WebLogic Server user that does not have a credent mapping specifically for them. Selecting 'User for unauthenticated user' will configure the user that will be used for an unauthenticated WebLogic Server user. If you select 'Configured User' you must type in the WebLogic Server user that you are configuring. This user must be a configured WebLogic Server user.					
User for creating initial connections					
🖲 Default User					
O Unauthenticated WLS User					
Configured User Name					
WebLogic Server User Name:					
Back Next Finish Cancel					

#### Fig 4.Weblogic server user screen

- Select Default User. Selecting 'Default User' as WebLogic Server user will configure the user that will be used as the default for any authenticated WebLogic Server user that does not have a credential mapping specifically for them.
- And click Next. Screen to configure username and password will appear. Enter username and password.



ministration Console 12c		Q	
🙆 Home Log Out Preferences 🖂 Record Help	Q	Welcome, weblogic Connected to: obdx_xacm	
Home >Summary of Deployments >com.ofss.digx.connector.rar >Role	5		
Create a New Security Credential Mapping			
Back Next Finish Cancel			
EIS User Name and Password			
Configure the EIS User Name and Password that you would like	to map the WebLogic Server User to:		
* Indicates required fields			
Enter the EIS User Name:			
* EIS User Name::	MERCHANT		
Enter the EIS Password:			
* EIS Password::	•••••		
* Confirm Password::			
Back Next Finish Cancel			

### Fig 5.User name and password configuration

• Click Finish. The new security credential map entry will be created.

histration Console 12c								
🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: obdx_xacr						
Home >Summary of Deployments >com.ofss.digx.connector.	rar >Roles							
Messages								
The new security credntial map entry for this resource	rce adapter was successfully created.							
Settings for com.ofss.digx.connector.rar								
Overview Configuration Security Control T	esting Monitoring							
Roles Policies Outbound Credential Mapping	s Inbound Principal Mappings Princ	ipals						
Outbound credential mappings let you map WebLogic Server usernames to usernames in the Enterprise Information System (EIS) to which you want to connect using a resource adapter. You can use default outbound credential mappings for all outbound connection pools in the resource adapter, or specify particular outbound credential mappings for individual connection pools. This page contains the table of outbound credential mappings for this resource adapter.  Customize this table Outbound Credential Mappings								
New Delete	New Delete Showing I to 1 of 1 Previous   Next							
🔲 WLS User 🗇	EIS User	Outbound Connection Pool						
Default	MERCHANT	ra/DIGXConnectorMERCHANT						
New Delete		Showing 1 to 1 of 1 Previous   Next						

**Fig 6. Credential map entry** with username as MERCHANT associated with ra/DIGXConnectorMERCHANT connection pool.

Below credential entries must be configured in connector. Managed server restart is required after this configuration

- DIGXConnectorAES is mandatory entry, The password value for this must be a 16 digit AES key that must be set
- Remaining entries are optional and depend on the module used.

Out	Outbound Credential Mappings							
Ne	New Delete Showing 1 to 12 of 12 Previous   Next							
	WL5 User 🐟	EIS User	Outbound Connection Pool					
	Default	MERCHANT	ra/DIGXConnector/MERCHANT					
	Default	AES_KEY	ra/DIGXConnectorAES					
	Default	1°' ++c0jvadn3' * "	ra/DIGXConnectorLIVEEXP					
	Default	1J0d-d886-41 *** ' 58-669 Jule6 J	ra/DIGXConnectorNETVERIFY					
	Default	OBDX01	ra/DIGXConnectorOBVAM					
	Default	OBDX	ra/DIGXConnectorOBSCF					
	Default	OBDX02	ra/DIGXConnectorOBLM					
	Default	SADHASIVAM1	ra/DIGXConnectorOBCFPM					
	Default	OBDX	ra/DIGXConnectorOBCM					
	Default	OBDX	ra/DIGXConnectorASP					
	Default	OBDX	ra/DIGXConnectorINV					
	Default	SADHASIVAM1	ra/DIGXConnectorMO_IPM					
Ne	New         Delete         Showing 1 to 12 of 12         Previous         Next							

Home

