

Oracle Banking Digital Experience

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Connector Credential Store Guide

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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 <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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.

Introduction provides brief information on the overall functionality covered in the User Manual.

The subsequent chapters provide information on transactions covered in the User Manual.

Each transaction is explained in the following manner:

- Introduction to the transaction
- Screenshots of the transaction
- The images of screens used in this user manual are for illustrative purpose only, to provide improved understanding of the functionality; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.
- Procedure containing steps to complete the transaction- The mandatory and conditional fields of the transaction are explained in the procedure.
- If a transaction contains multiple procedures, each procedure is explained. If some functionality is present in many transactions, this functionality is explained separately.

1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 18.3.0.0.0, refer to the following documents:

- Oracle Banking Digital Experience Licensing Guide
- Oracle Banking Digital Experience Installation Manuals

2. Steps to Create Credential Mapping

- In WebLogic, go to Deployments, expand the deployed connector ear and click on Resource Adapter module.

Customize this table

Deployments

Install Update Delete Start Stop Showing 1 to 64 of 64 Previous Next

Name	State	Health	Type	Targets	Deployment Order
adf.oracle.businesseditor(1.0,12.1.3.0.0)	Active		Library	AdminServer, clip	100
adf.oracle.domain(1.0,12.1.3.0.0)	Active		Library	AdminServer, clip	100
adf.oracle.domain.webapp(1.0,12.1.3.0.0)	Active		Library	AdminServer, clip	100
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, clip	100
com.ofss.digx.app.connector	Active	OK	Enterprise Application	clip	0
Modules					
com.ofss.digx.connector.rar			Resource Adapter		
EJBs					
None to display					
Web Services					
None to display					
com.ofss.digx.appx.service.rest	Active	OK	Enterprise Application	clip	0
com.ofss.digx.appx.service.soap	Active	OK	Enterprise Application	clip	0
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, clip	5
em	Active	OK	Enterprise Application	AdminServer	400
emagentsdkimplpriv_jar(11.2.0.1.0,12.1.0.3.0)	Active		Library	AdminServer	100
emagentsdkimpl_jar(11.2.0.1.0,12.1.0.3.0)	Active		Library	AdminServer	100
emagentsdk_jar(11.2,12.1.0.3.0)	Active		Library	AdminServer	100
emas	Active		Library	AdminServer	100
emcore	Active		Library	AdminServer	100
emcoreclient_jar	Active		Library	AdminServer	100
emcorecommon_jar	Active		Library	AdminServer	100
emcoreconsole_jar	Active		Library	AdminServer	100

Fig.1 Deployed ear com.ofss.digx.app.connector, It has Resource Adapter Module com.ofss.digx.connector.rar

- Screen for Resource Adapter module's setting will open. Click Security->Outbound Credential Mapping. This will display Outbound Credential Mappings table.

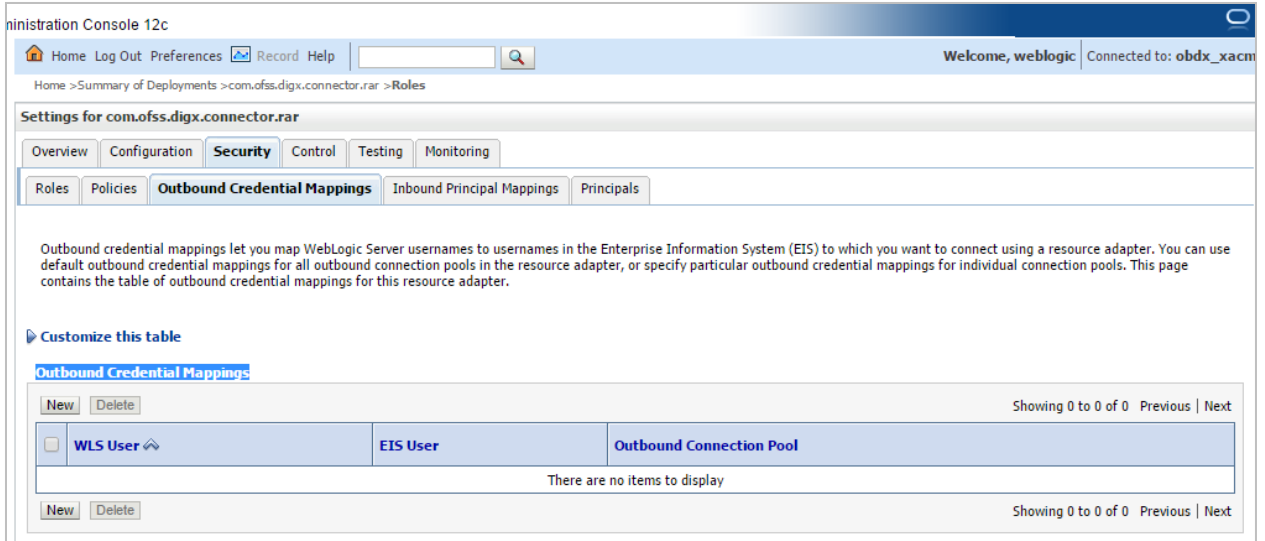


Fig.2 Shows setting for com.ofss.digx.connector.rar

- Click on New. 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.

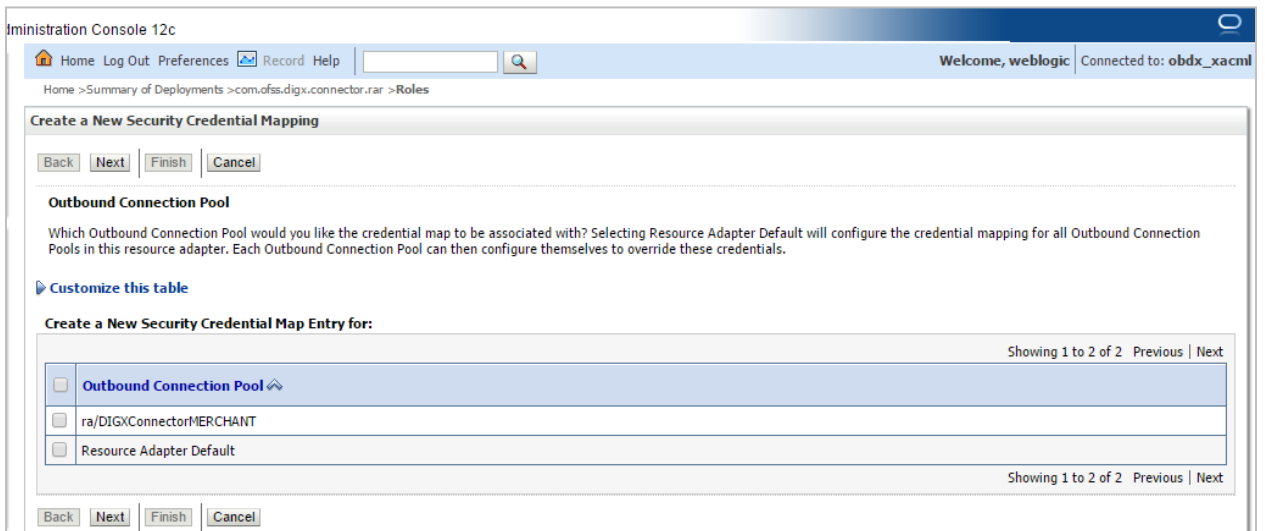


Fig.3 Shows Outbound Connection pool table. Fig 3.1 shows corresponding weblogic-ra.xml file

```

<?xml version="1.0" encoding="UTF-8"?>
<!-- Copyright (c) 2012, Oracle and/or its affiliates. All rights reserved. -->
<weblogic-connector xmlns="http://www.bea.com/ns/weblogic/90"
  xmlns:j2ee="http://java.sun.com/sml/ns/j2ee" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.bea.com/ns/weblogic/90/weblogic-ra.xsd">

  <enable-access-outside-app>true</enable-access-outside-app>
  <enable-global-access-to-classes>true</enable-global-access-to-classes>
  <outbound-resource-adapter>
    <connection-definition-group>
      <connection-factory-interface>javax.resource.cci.ConnectionFactory
      </connection-factory-interface>
      <connection-instance>
        <jndi-name>ra/DIGXConnectorMERCHANT</jndi-name>
        <connection-properties>
          <pool-params>
            <initial-capacity>6</initial-capacity>
            <max-capacity>15</max-capacity>
            <capacity-increment>1</capacity-increment>
            <shrinking-enabled>true</shrinking-enabled>
            <shrink-frequency-seconds>60</shrink-frequency-seconds>
          </pool-params>
        </connection-properties>
      </connection-instance>
    </connection-definition-group>
  </outbound-resource-adapter>
</weblogic-connector>

```

Fig.3.1 weblogic-ra.xml

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

Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: obdx_xac

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 credential 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
 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. As DIGX using AES(Advanced Encryption standard) as encryption and decryption algorithm, password must be 16 digit.

Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_xacml

Home > Summary of Deployments > com.ofss.digx.connector.rar > Roles

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.

Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: obdx_xacml

Home > Summary of Deployments > com.ofss.digx.connector.rar > Roles

Messages

✓ The new security credential map entry for this resource adapter was successfully created.

Settings for com.ofss.digx.connector.rar

Overview Configuration Security Control Testing Monitoring

Roles Policies Outbound Credential Mappings Inbound Principal Mappings Principals

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 Showing 1 to 1 of 1 Previous | Next

WLS User	EIS User	Outbound Connection Pool
<input type="checkbox"/> 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.

- Table `digx_fw_config_all_b` must have entry with `category_id` as "CredentialConnector" and `prop_value` as selected Outbound Connection Pool with JNDI name as `prop_id`.

E.g. insert into digx_fw_config_all_b (PROP_ID, CATEGORY_ID, PROP_VALUE, FACTORY_SHIPPED_FLAG, PROP_COMMENTS, SUMMARY_TEXT, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATED_DATE, OBJECT_STATUS, OBJECT_VERSION_NUMBER)

values ('MERCHANT_RA_JNDIKEY', 'CredentialConnector', 'ra/DIGXConnectorMERCHANT', 'N', 'RA Connector JNDI Names for OFFLINE_CHANNEL', 'RA Connector JNDI Names for MERCHANT', 'ofssuser',SYSDATE, 'ofssuser', SYSDATE, 'Y', 1);

3. Configurations if using OAM setup

Login to Weblogic console > Deployments > com.ofss.digx.app.connector (+) > com.ofss.digx.connector.rar > Security > Outbound Credential Mappings > New > Select ra/DIGXConnectorOAM > Next

The first screenshot shows the 'Create a New Security Credential Mapping' page. The 'Outbound Connection Pool' section is active, and the 'ra/DIGXConnectorOAM' option is selected in the list of available pools. The 'Resource Adapter Default' option is also visible.

The second screenshot shows the 'WebLogic Server User' configuration page. The 'Default User' radio button is selected. The 'WebLogic Server User Name' field is empty, indicating that the user name needs to be entered.

Enter the admin credentials of OAM. Similar to the ones used in Installer Pre-Requisite Setup Guide > **Section 8.6- API configurations for Mobile Banking (2-Legged OAuth Flows)**

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main content area is titled "Create a New Security Credential Mapping" and is currently on the "EIS User Name and Password" step. The instructions state: "Configure the EIS User Name and Password that you would like to map the WebLogic Server User to: * Indicates required fields".

The form contains the following fields:

- Enter the EIS User Name:** The text "oamadmin" is entered in the input field.
- Enter the EIS Password:** The password field is masked with asterisks.
- Confirm Password:** The confirmation password field is also masked with asterisks.

Navigation buttons at the top of the form include "Back", "Next", "Finish", and "Cancel". The "Next" button is highlighted, indicating the current step.

The left sidebar contains several panels:

- Change Center:** Includes "View changes and restarts" and buttons for "Lock & Edit" and "Release Configuration".
- Domain Structure:** A tree view showing the hierarchy: OBDX183_UBS140 > Domain Partitions > Environment > Deployments > Services > Security Realms > Interoperability > Diagnostics.
- How do I...:** A list of help topics, with "Create outbound credential mappings" selected.
- System Status:** A summary of server health as of 12:05 PM, showing 0 Failed, 0 Critical, 0 Overloaded, 0 Warning, and 2 OK servers.

Finish