

Oracle Banking Digital Experience

**Connector Credential Store Guide
Release 19.1.0.0.0**

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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.

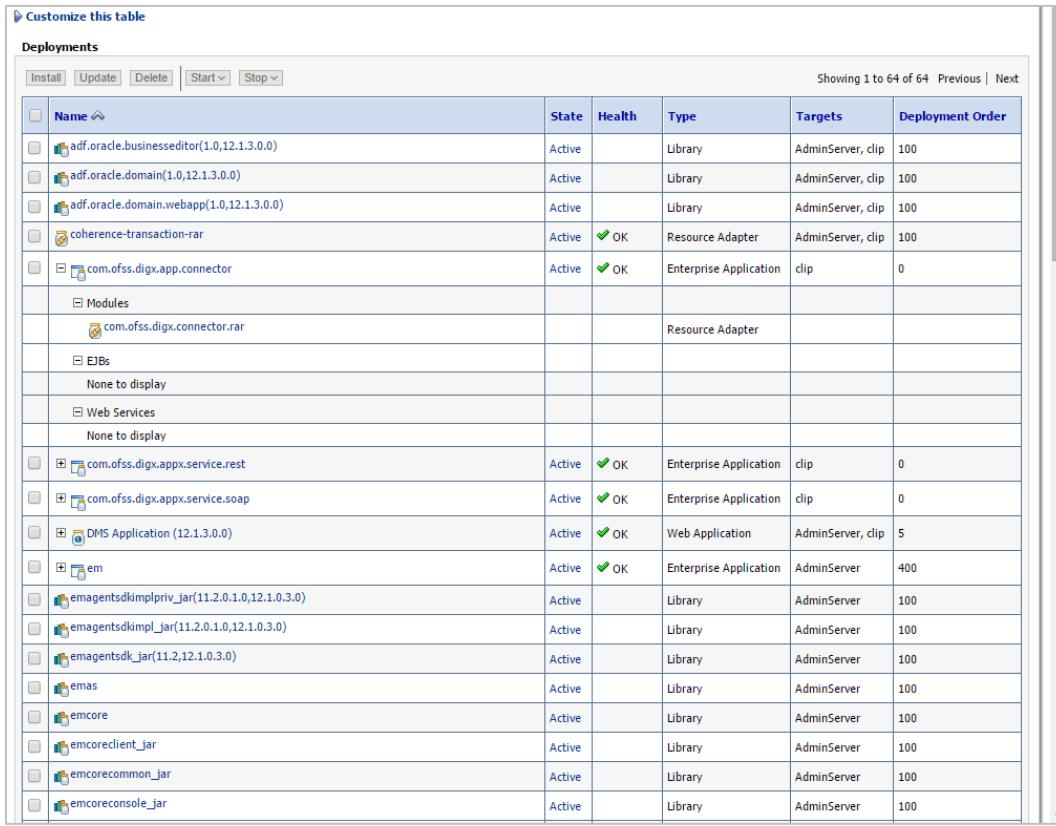
1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 19.1.0.0.0, 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.



The screenshot shows the Oracle WebLogic Server Administration Console. The 'Deployments' list is displayed, showing various deployed applications and their details. The 'com.ofss.digx.app.connector' ear is expanded, revealing its internal structure. The 'com.ofss.digx.connector.rar' module is specifically highlighted as a 'Resource Adapter'. Other modules listed include 'com.ofss.digx.appx.service.rest', 'com.ofss.digx.appx.service.soap', and 'DMS Application (12.1.3.0.0)'. The table includes columns for Name, State, Health, Type, Targets, and Deployment Order.

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.

The screenshot shows the 'Outbound Credential Mappings' section of the Administration Console. The table header includes 'WLS User' (with a dropdown arrow), 'EIS User', and 'Outbound Connection Pool'. Below the table, a message says 'There are no items to display'.

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.

The screenshot shows the 'Create a New Security Credential Mapping' wizard, step 2: Outbound Connection Pool. The table lists various connection pools: ra/DIGXConnector/RECHART, ra/DIGXConnector/OBCPM, ra/DIGXConnector/OBLI, ra/DIGXConnector/OBSCF, ra/DIGXConnector/OBTFPM, ra/DIGXConnector/OBVAM, and Resource Adapter Default. The table shows 11 to 17 of 17 items.

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.

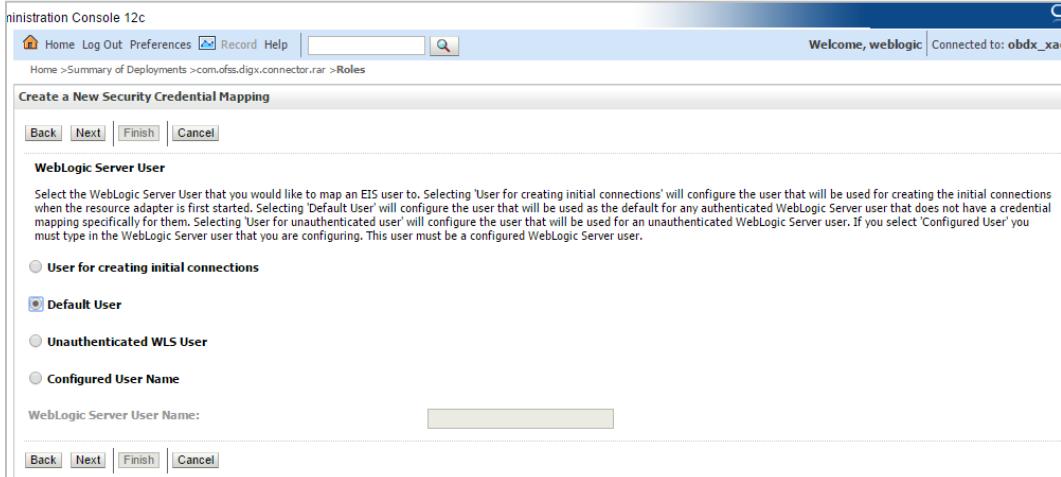


Fig 4.Weblogic server user screen

- 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.

The screenshot shows the 'Create a New Security Credential Mapping' dialog box. It has fields for 'EIS User Name' (set to 'MERCHANT') and 'EIS Password'. There are 'Back', 'Next', 'Finish', and 'Cancel' buttons at the bottom.

Fig 5. User name and password configuration

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

The screenshot shows the 'Outbound Credential Mappings' table. It has a single row with 'WLS User' as 'Default', 'EIS User' as 'MERCHANT', and 'Outbound Connection Pool' as 'ra/DIGXConnectorMERCHANT'. A success message 'The new security credential map entry for this resource adapter was successfully created.' is displayed above the table.

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);`

- Repeat the above process for creating a credential map for each Outbound Connection shown in [Fig.3](#).
- 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`.
- Make sure to have following entries in `digx_fw_config_all_b` corresponding to each outbound connection pool if the credential map is configured for the same-

Eg.

(OBVAM- ra/DIGXConnectorOBVAM)

```
Insert           into          digx_fw_config_all_b
(PROP_ID,CATEGORY_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,SUMM
ARY_TEXT,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJ
ECT_STATUS,OBJECT_VERSION_NUMBER,EDITABLE,CATEGORY_DESCRIPTION)

values
('OBVAM_RA_JNDIKEY','CredentialConnector','ra/DIGXConnectorOBVAM','N','
RA Connector JNDI Names for OBVAM','RA Connector JNDI Names for
OBVAM','ofssuser',to_timestamp('30-MAR-19 09.54.30.000000000 AM','DD-
MON-RR HH.MI.SSXFF AM'),'ofssuser',to_timestamp('30-MAR-19
09.54.30.000000000 AM','DD-MON-RR HH.MI.SSXFF AM'),'Y',1,'N',null);
```

(OBCFPM- ra/DIGXConnectorOBCFPM)

```
Insert           into          DIGX_FW_CONFIG_ALL_B
(PROP_ID,CATEGORY_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,S
UMMARY_TEXT,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_D
ATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,EDITABLE,CATEGORY_DESCRIPTION)

values ('OBCFPM_RA_JNDIKEY','CredentialConnector','ra/DIGXConnectorOBCFPM','N','RA
Connector JNDI Names for OBCFPM','RA Connector JNDI Names for
OBCFPM','ofssuser',to_timestamp('10-04-19 04:13:28.000000000 PM','DD-MM-RR
HH12:MI:SSXFF AM'),'ofssuser',to_timestamp('10-04-19 04:13:28.000000000 PM','DD-MM-RR
HH12:MI:SSXFF AM'),'Y',1,'N',null);
```

```
Insert           into          DIGX_FW_CONFIG_ALL_B
(PROP_ID,CATEGORY_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,S
UMMARY_TEXT,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_D
ATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,EDITABLE,CATEGORY_DESCRIPTION)

values('OBLM_RA_JNDIKEY','CredentialConnector','ra/DIGXConnectorOBLM','N','RA Connector
JNDI Names for OFFLINE_CHANNEL','RA Connector JNDI Names for
DIGX','ofssuser',to_timestamp('30-03-19 09:54:35.000000000 AM','DD-MM-RR HH12:MI:SSXFF
AM'),'ofssuser',to_timestamp('30-03-19 09:54:35.000000000 AM','DD-MM-RR HH12:MI:SSXFF
AM'),'Y',1,'N',null);
```

(OBTFPM- ra/DIGXConnectorOBTFPM)

```
Insert into DIGX_FW_CONFIG_ALL_B
(PROP_ID,CATEGORY_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,S
```

UMMARY_TEXT,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,EDITABLE,CATEGORY_DESCRIPTION)

values ('OBTFPM_RA_JNDIKEY','CredentialConnector','ra/DIGXConnectorOBTFPM','N','RA Connector JNDI Names for OFFLINE_CHANNEL','RA Connector JNDI Names for DIGX','ofssuser,to_timestamp('30-03-19 09:54:30.000000000 AM','DD-MM-RR HH12:MI:SSXFF AM'),'ofssuser,to_timestamp('30-03-19 09:54:30.000000000 AM','DD-MM-RR HH12:MI:SSXFF AM'),'Y',1,'N',null);

(OBSCF- ra/DIGXConnectorOBSCF)

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,EDITABLE,CATEGORY_DESCRIPTION)

values ('OBSCF_RA_JNDIKEY','CredentialConnector','ra/DIGXConnectorOBSCF','N','RA Connector JNDI Names for OBSCF OFFLINE_CHANNEL','RA Connector JNDI Names for OBSCF DIGX','ofssuser,to_timestamp('30-03-19 09:54:30.000000000 AM','DD-MM-RR HH12:MI:SSXFF AM'),'ofssuser,to_timestamp('30-03-19 09:54:30.000000000 AM','DD-MM-RR HH12:MI:SSXFF AM'),'Y',1,'N',null);