Oracle Banking APIs

Connector Credential Store Guide
Release 19.1.0.0.0

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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 APIs Release 19.1.0.0.0, refer to the following documents:

- Oracle Banking APIs Licensing Guide
- Oracle Banking APIs Installation Manuals

2. Steps to Create Credential Mapping

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

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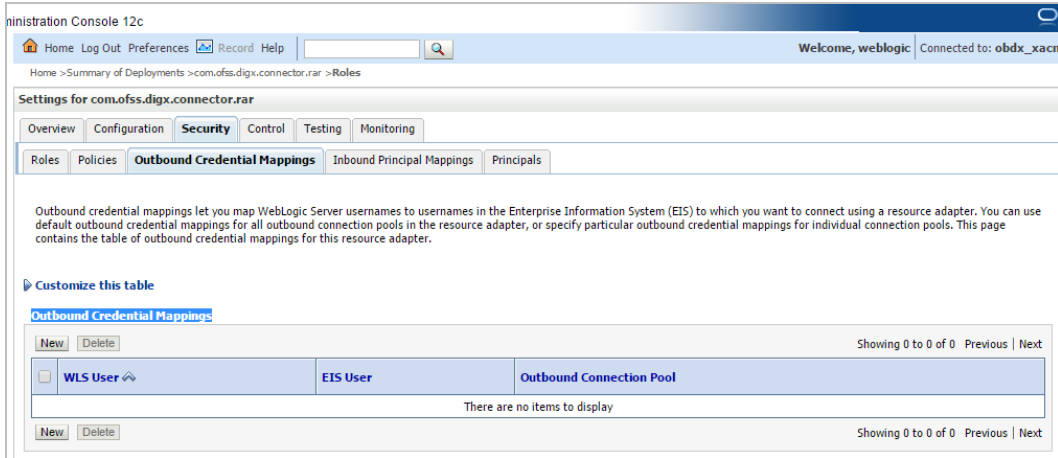
- Click on New. This will display screen to create new security credential map entry. Also It shows Outbound Connection pool table. This table has Outbound Connection pool entry for each connection instance in weblogic-ra.xml in Resource Adapter along with default connection pool.

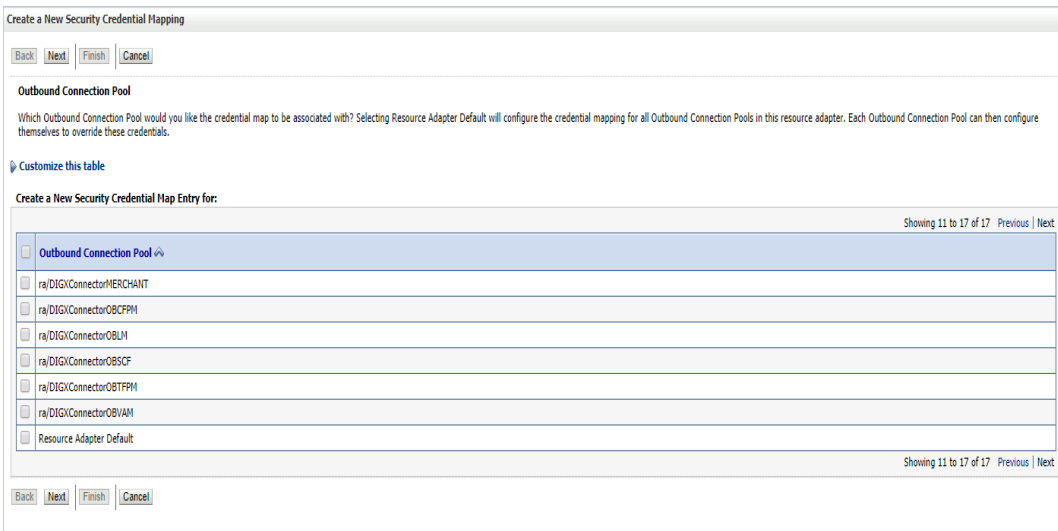Fig.3 Shows Outbound Connection pool table. Fig 3.1 shows corresponding weblogic-ra.xml file

```
<?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.

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.
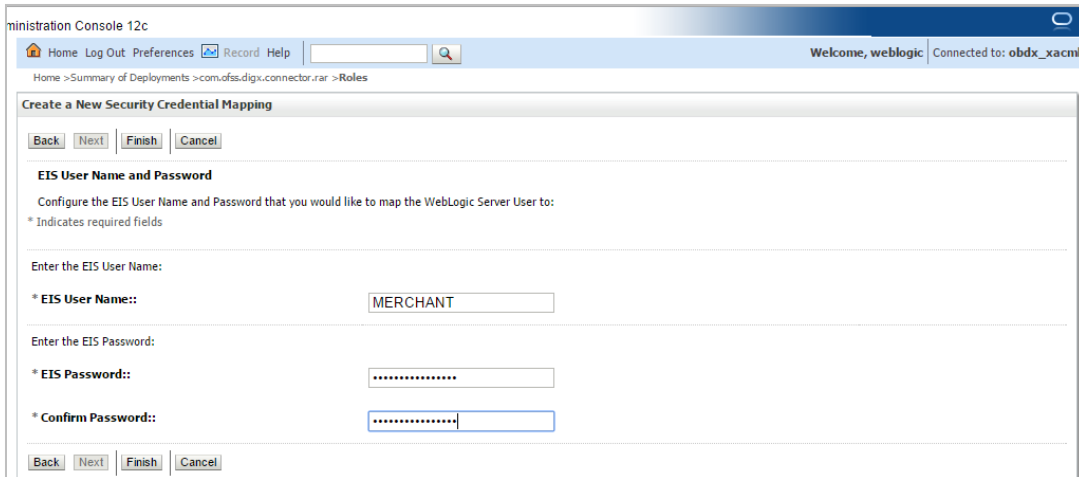
Fig 5.User name and password configuration

- Click Finish. The new security credential map entry will be created.
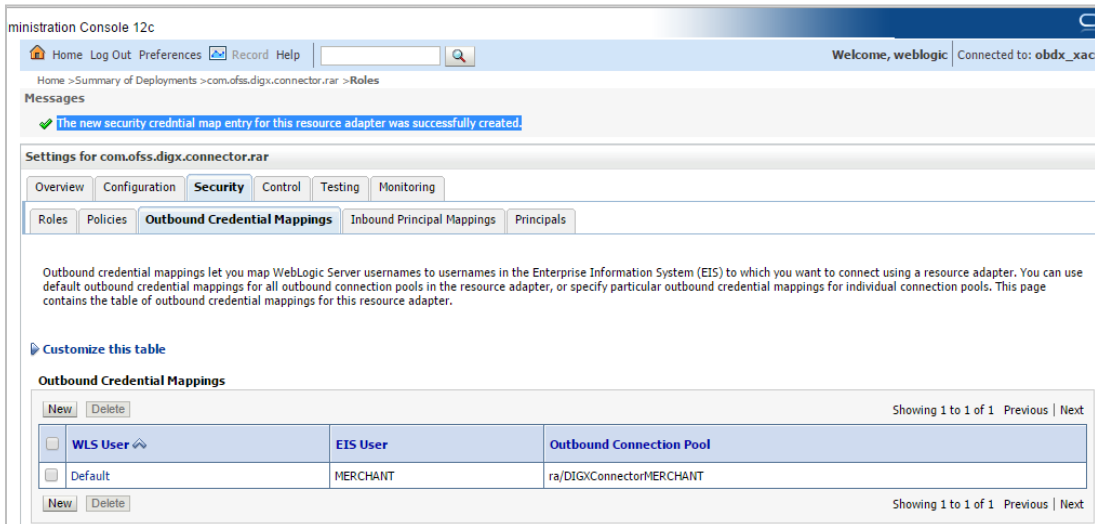
Fig 6. Credential map entry with username as MERCHANT associated with ra/DIGXConnectorMERCHANT connection pool.

- 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 <u>Fig.3</u>.

- 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,SUMMARY_TEXT,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,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,SUMMARY_TEXT,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,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_D
ATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,EDITABLE,CATEGORY_DESCRIPTIO
N)

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_STATU
S,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);*