Oracle® Banking Enterprise Limits and Collateral Management Cloud Service

ODT to OBMA Migration User Guide

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Oracle Banking Enterprise Limits and Collateral Management Cloud Service ODT to OBMA Migration User Guide, Release 14.8.1.0.0

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Before Begin

Before begin, user can refer to the **Getting Started User Guide**. It helps user to know the basic prerequisites to get started with Oracle Banking Credit Facilities Process Management.

Pre-requisites

Specify the **User ID** and **Password**, and login to **Home** screen.

Purpose

This guide is designed to help the user to quickly get acquainted with the Customer Standard Instructions maintenance process.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table Acronyms and Abbreviations

Abbreviation	Description
System	Core Maintenance Module
NLP	Natural Language Processing
REST	Representational State Transfer

Audience

This guide is intended for the central administrator of the Bank who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.

Basic Actions

Table Basic Actions

Action	Description
Approve	Used to approve the initiated report. This button is displayed, once the user click **Authorize**.
Audit	Used to view the maker details, checker details, and report status.
Authorize	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.
Close	Used to close a record. This action is available only when a record is created.
Confirm	Used to confirm the performed action.
Cancel	Used to cancel the performed action.
Compare	Used to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click **Authorize**.
Collapse All	Used to hide the details in the sections. This button is displayed, once the user click **Compare**.
Expand All	Used to expand and view all the details in the sections. This button is displayed, once the user click **Compare**.
New	Used to add a new record. When the user click **New**, the system displays a new record enabling to specify the required data.
OK	Used to confirm the details in the screen.
Save	Used to save the details entered or selected in the screen.
View	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click **Authorize**.
View Difference only	Used to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click **Compare**.
Unlock	Used to update the details of an existing record. System displays an existing record in editable mode.

Conventions

The following text conventions are used in this document:

Table Conventions

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.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by Oracle Software Security Assurance.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookupctx=acc&id=docacc.

Related Resources

For more information on any related features, refer to the following documents

- End user license agreement.
- Oracle Banking Enterprise Limits and Collateral Management User Manuals.

Post-requisites

After finishing all the requirements, please log out from the Home screen.

1 Introduction

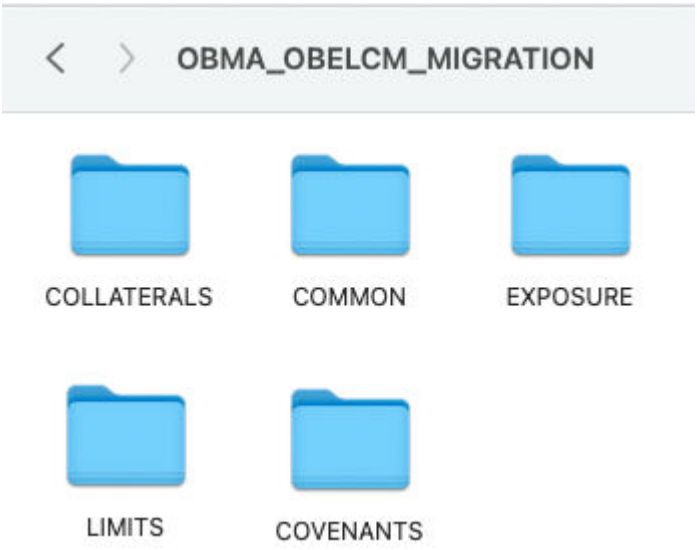
This user guide provides a step-by-step guide for migrating data from Oracle Business Enterprise Limits and Collaterals Management (OBELCM) ODT to OBMA.

Data Migration Approach: The data migration process from ODT to OBMA involves creating views in the source ODT schema that mirror the OBMA table structure. These views are then used to migrate data to OBMA using either SQL DB Link or Fast Data Transfer (FDT). This guide provides a detailed, step-by-step approach to performing the data migration.

Migration using SQL DB Link: Extract Migration Scripts: Extract the contents of the OBMA_OBELCM_MIGRATION.zip file, which includes MIGRATION.zip. Extract the contents of MIGRATION.zip to a local directory.

Review Directory Structure: The extracted contents will have a folder for each domain (e.g., LIMITS, COLLATERALS, COMMON, EXPOSURE, & COVENANTS). Each domain folder contains SQL files corresponding to the OBMA tables.

Figure 1-1 OBMA_OBELCM_MIGRATION



1. Compile View Scripts in Source (ODT DB)
   Connect to ODT DB: Connect to the ODT database using SQL PLUS or SQL DEVELOPER with the necessary credentials.

   Compile View Scripts: Navigate to the directory where you extracted the migration scripts. Compile the view scripts in the source (ODT DB) by executing the SQL files in the respective domain folders.

Figure 1-2 Compile View scripts

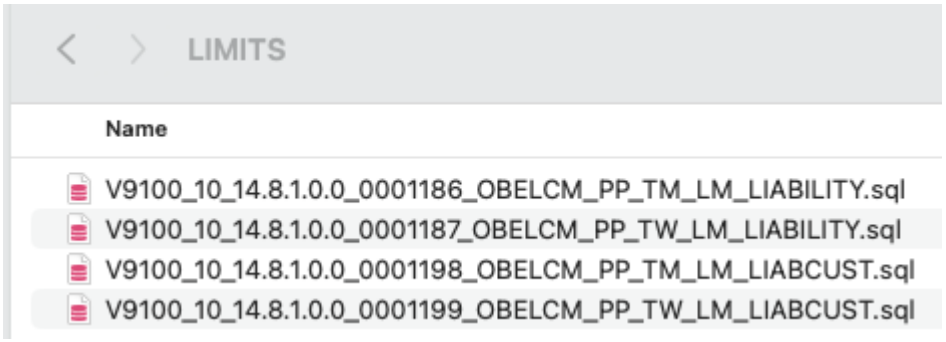
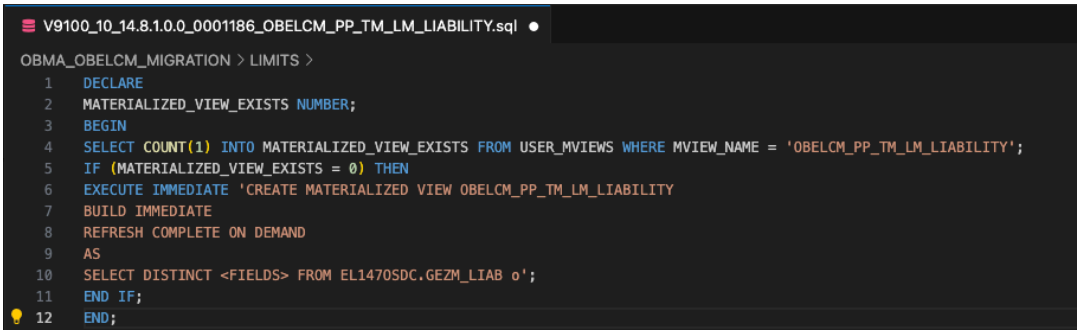


Figure 1-3 OBMA_OBELCM_MIGRATION



2. Execute <MODULE_NAME>_MIGRATION.SQL Script
Connect to OBMA particular DB: Connect to the OBMA database using SQL PLUS or SQL DEVELOPER with the necessary credentials.

   Provide Source TNS Details: Update the DB link properties with the source (ODT DB) TNS details.

   Execute Migration Script: Execute the <MODULE_NAME>_MIGRATION.SQL script in the OBMA domain schemas.

Figure 1-4 Execute Migration Script

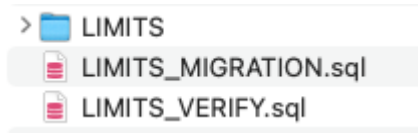


Figure 1-5 Execute Migration Script

```
SET SERVEROUTPUT ON SIZE UNLIMITED;

CREATE DATABASE LINK SRC_ELM_LINK
CONNECT TO EL147OSDC IDENTIFIED BY EL147OSDC
 USING '(DESCRIPTION=
        (ADDRESS=(PROTOCOL=TCP)(HOST=<PROVIDE_HOST>)(PORT=<PROVIDE_IP>))
        (CONNECT_DATA=(SERVICE_NAME=<PROVIDE_SERVICE_NAME>))
)';

DECLARE
v_error_msg VARCHAR2(4000);
v_row_count NUMBER;
BEGIN
BEGIN
EXECUTE IMMEDIATE 'INSERT INTO OBELCM_PP_TM_LM_FACILITY(<FIELDS>)
SELECT <FIELDS> FROM OBELCM_PP_TM_LM_FACILITY@SRC_ELM_LINK';
FROM OBELCM_PP_TM_LM_FACILITY@SRC_ELM_LINK';
v_row_count := SQL%ROWCOUNT;
COMMIT;
DBMS_OUTPUT.PUT_LINE('Migration Successful: OBELCM_PP_TM_LM_FACILITY Number of rows inserted: ' || v_row_count);
EXCEPTION
WHEN OTHERS THEN
v_error_msg := SQLERRM;
DBMS_OUTPUT.PUT_LINE('Migration Failed: OBELCM_PP_TM_LM_FACILITY' || ' - ' || v_error_msg);
END;
```

3. Step 3: Verify Migration using <MODULE_NAME>_VERIFY.SQL Script

   Execute Verification Script: Execute the <MODULE_NAME>_VERIFY.SQL script in the OBMA domain schemas.

Figure 1-6 Execute Verification Script

Figure 1-7 Create Database

```
SET SERVEROUTPUT ON SIZE UNLIMITED;

CREATE DATABASE LINK SRC_ELM_LINK
CONNECT TO EL1470SDC IDENTIFIED BY EL1470SDC
 USING '(DESCRIPTION=
        (ADDRESS=(PROTOCOL=TCP)(HOST=<PROVIDE_HOST>)(PORT=<PROVIDE_PORT>))
        (CONNECT_DATA=(SERVICE_NAME=<PROVIDE_SERVICE>))
)';

DECLARE
  cnt NUMBER;
BEGIN
BEGIN
  SELECT COUNT(*) INTO cnt FROM (
    SELECT <FIELDS> FROM OBELCM_PP_TM_LM_FACILITY@SRC_ELM_LINK
    MINUS
    SELECT <FIELDS> FROM OBELCM_PP_TM_LM_FACILITY
  );
  IF cnt > 0 THEN
    DBMS_OUTPUT.PUT_LINE('Migration Failed: OBELCM_PP_TM_LM_FACILITY');
  ELSE
    DBMS_OUTPUT.PUT_LINE('Migration Successful: OBELCM_PP_TM_LM_FACILITY');
  END IF;
  END;
```

Example:

SQL>@LIMITS/LIMITS_VERIFY.SQL

SQL> @COLLATERALS/COLLATERALS_VERIFY.SQL

Review Logs: Review the logs generated by the verification script to ensure the migration was successful.

Migration using FDT (Fast Data Transfer):

1. Compile View Scripts via SQLCL
   Deploy the migration war file.

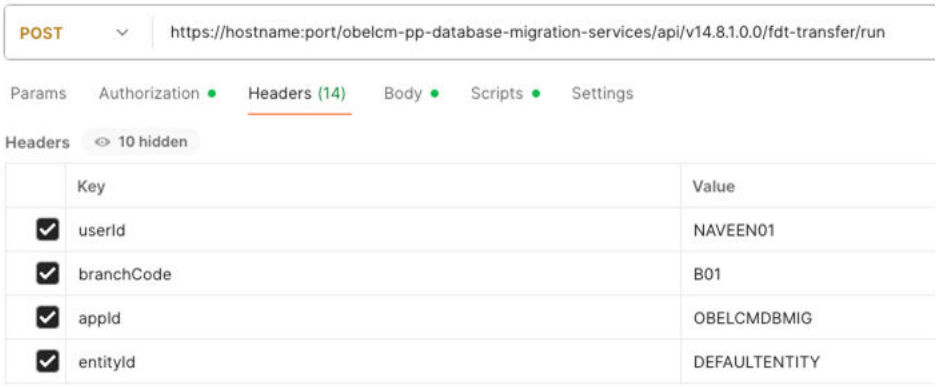
   Compile the view scripts via SQLCL as part of the war deployment.

   Correct any data errors that occur during compilation.

2. Invoke FDT Transfer Service
   Use Postman or curl to invoke the /api/v14.8.1.0.0/fdt-transfer/run service.

   The service will internally perform the migration and verify if the migration is successful.

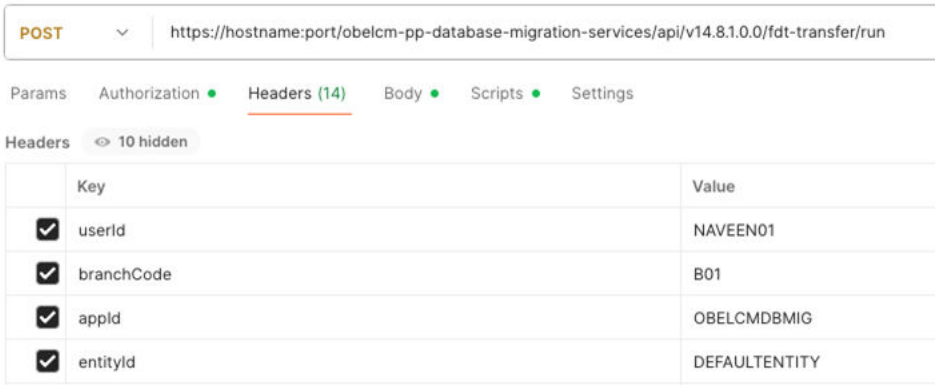
Figure 1-8 FDT Transfer Service



3. Verify Migration and Correct Errors
   Review the logs to identify any migration errors.

   Correct the data errors and invoke the /api/v14.8.1.0.0/fdt-transfer/re-run service using Postman or curl.

   The service will re-attempt the migration and verify if the migration is successful.



By following these steps, you can successfully migrate data from ODT to OBMA using either the SQL DB Link or FDT method.

Note

Before migration all entities records should be authorized.

Pre-Migration Tasks:

- Backup the ODT database before starting the migration process.
- Ensure that the OBMA database is created and configured correctly.
- Verify that the migration scripts are extracted and compiled correctly.

Post-Migration Tasks:

- Verify that the data is migrated correctly using the verification scripts.
- Perform any additional validation and testing as required.
- Review the logs to identify any migration errors.

Troubleshooting:

- Refer to the logs generated by the migration and verification scripts to identify any errors.
- Correct any data errors and re-run the migration and verification scripts as required.

Glossary

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