

Upgrade Installation Guide

Oracle Financial Services Lending and Leasing

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Oracle Financial Services Lending and Leasing User Documentation

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1. Preface

For recommendations on security configuration, refer Security Configuration Guide.

This document contains notes and installation steps needed to install an upgrade for Oracle Financial Services Lending and Leasing.

2. Upgrading Oracle Financial Services Lending and Leasing Database

2.1 Pre-requisites

- It is assumed that an earlier version of Oracle Financial Services Lending and Leasing is installed.

2.2 Audience

This document is intended for system administrators or application developers who are upgrading Oracle Financial Services Lending and Leasing Application.

2.3 Conventions Used

Term	Refers to
Home Directory/ \$OFSSL_HOME	Oracle Financial Services Lending and Leasing Home Directory
Application	Oracle Financial Services Lending and Leasing

2.4 Upgrading Application Database

An upgrade is a process of updating an existing version to its higher version. For example, upgrading Oracle Financial Services Lending and Leasing from 14.7.0.0.0 to 14.8.0.0.0.

Audit Logging (Optional)

Audit logging is moved to new tablespace. However, the institution can continue to use the existing tablespace setup OR move to a new one. To facilitate the same, do the following:

- Login as sys user and create Audit Tablespaces (DATA and INDEX). Grant quota to OFSSL schema owner. Sample scripts 'crt_ofssl_tablespace.sql' and 'alter_ofssl_user_quota.sql' are provided in '\ofssl\zip\dba_utlis' folder in release bundle.
- After creating tablespace, copy the below sql files available in '\ofssl\zip\sql' folder to \$OFSSL_HOME\sql. This is executed during the subsequent steps of upgrade process.
 - storage_parms_table_aud.sql
 - storage_parms_index_aud.sql
- Login as OFSSL schema owner and move the 'audits' table to the newly created audit tablespace. For example, ALTER TABLE AUDITS MOVE TABLESPACE OFSSL_AUD_DATA;
- Since the audit table is moved to newly created tablespace, recreate the index by executing the following SQL file available in '\ofssl\zip\data_fix' folder - upgrade_rebuild_audit_table_indexes.sql.

Note

Verify that the Audits table and the corresponding indexes are moved to new tablespace.

2.4.1 Upgrade to 14.8.0.0.0

Choose '2' as the installer option at the 'Selecting the Install Type' stage, then the script runs the upgrade installer.

```
Oracle Financial Services Lending and Leasing DB Installer

Important Note:
-----
It is recommended to have a OS level user id created on DB server (say ofsl1)
before running the installer.

The installer will create the required Tablespace and application schema user.

The default set of subdirectories underneath the home directory creates a couple
of command files needed by the application.

The tables are grouped as follows:

GROUP          DESCRIPTION
-----
org            origination
svc           servicing
cmn           common
txn          transaction
api          import/conversion
adm          setup/administration
arc          archive

Continue? [y/n]: y

Installer Options          Description
-----
1. New Installation      Full installation of OFSL Product
2. Upgrade Installation  Upgrade existing installation of OFSL Product
3. Install DB Objects only Already the DB Schema and tablespaces are available install only DB Objects

Choose an installer option? [1-3]: 2

Installer Options          Description
-----
1. New Installation      Full installation of OFSL Product
X 2. Upgrade Installation Upgrade existing installation of OFSL Product
3. Install DB Objects only Already the DB Schema and tablespaces are available install only DB Objects

Enter the Oracle Financial Services Lending and Leasing
home Path? (usually /home/ofsl1):
```

During the upgrade process directory objects are to be created and installer prompts for the same as indicated below:

```
Installing Directory objects...
upgrade_utldir_cmn.sql

PL/SQL procedure successfully completed.

The Oracle Financial Services Lending and Leasing schema owner owns all of the objects.

Enter name of Oracle Financial Services Lending and Leasing schema owner: OFSL1REL

This script will create a number of Oracle directory objects that will be
used to grant the UTL_FILE package read and write access to application
directories.

The CMN_SERVER_HOME parameter is the top-level directory below which
all application input and output files will be stored.
For example: /home/ofsl1

The current value of CMN_SERVER_HOME is:

CMN_SERVER_HOME
-----
/scratch/work_area/DEV/OFSL1REL

Enter directory path for CMN_SERVER_HOME (press enter to keep current value):
```

Respond to the prompts and continue. *For more details, refer to 'Installing Upgrade' section in Database Installation Guide.*

While installing the upgrade, the installer performs the following tasks:

1. Stop the running services, if any.

```
Enter the Oracle userid (schema name) that will own the Oracle Financial Services Lending and Leasing
objects? (This is usually ofsilprd): ofsilrel

Enter the password for this userid:

Services are still running, cannot load objects.
Stop the Services? [y/n]y

Shutdown the Job Services...

Installing Type objects...
ort_type_cmn.sql

Type dropped.
```

2. In case you see the below prompt to stop the queue for loading objects, press 'Y' and press Enter to confirm.

```
Queues are still running, cannot load objects.
Stop the Queues? [y/n]y

Shutdown the queues...
```

3. In case the Schema is EBR (Edition based Redefinition) enabled,

- You will be prompted as below. Press 'Y' and enter to continue.

```
The schema is editions enabled

If you wish to continue, Please ensure that a new Edition is created and the user has
required privileges to use it.
Continue with Installation? [y/n] : Y
```

- Enter the Edition name and press enter. Confirm 'Y' when prompted.

```
Enter the Edition name (For Example OFSLL_R#_P#) : OFSLL_R147_P1

EDITIONNAME=OFSLL_R147_P1
Okay [y/n]?: Y
```

4. Install the upgrade

```
PL/SQL procedure successfully completed.

PL/SQL procedure successfully completed.

Commit complete.

Commit complete.

Inserting Version Details...

1 row created.

Commit complete.
```

5. Recompile the invalid objects and complete installation.

```
Recompiling Invalid Objects...

Oracle Financial Services Lending and Leasing DB Object Upgrade Complete.
Log files are located in /scratch/work_area/DEV/OFSLLREL/logs/ofsl1_install_logs
-bash-4.1$
```


Post upgrade, install the database object of web services by referring to the instructions detailed in chapter 2 'Installing WebServices Database Objects' of WebServices Installation Guide.

Grant java file permissions for the directory objects created by executing the script 'set_java_perms.sql' available in dba_utils folder. For more information, refer to the process detailed in section 2.5 of Database installation guide.

Note

- Post upgrade, if there are any invalid java stored procedures noticed, please recompile the respective units manually.
 - In case where 'Edition based Redefinition' (EBR) is enabled, the default edition of database is to be modified/switched to the new edition. This is to be done by system administrator only after both Database Patch and Webservices Patch objects are installed as mentioned in chapter 2 and chapter 4.2 and when all the database objects are in valid state.
-