Upgrade Installation Guide

Oracle Financial Services Lending and Leasing

Release 14.5.0.0.0

Part No. E95814-01

May 2018

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May 2018
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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.

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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/ *$OFSLL_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 14.4.0.0.0 to 14.5.0.0.0.

Note

Oracle Financial Services Lending and Leasing also supports direct upgrade from 14.3.1.0.0 to 14.5.0.0.0 version.

● To upgrade from 14.4.0.0.0 to 14.5.0.0.0, refer to Upgrade to 14.5.0.0.0 section below.
● To upgrade from 14.3.1.0.0.0 to 14.5.0.0.0, perform the below steps and then continue with instructions in Upgrade to 14.5.0.0.0 section.

To perform Direct Upgrade from 14.3.1.0.0 to 14.5.0.0.0, do the following:

● In the folder ofslldb.zip\infrastructure\indexes, delete the file 'upgrade_in_rel_ofsll_14_5_0_0_0.sql'.
● Copy 'upgrade_in_rel_ofsll_14_3_1_0_x_to_14_5_0_0_0.sql' file available under data_fix folder to \ofslldb.zip\infrastructure\indexes folder.
● In the folder ofslldb.zip\infrastructure\indexes, delete the file 'upgrade_tb_rel_ofsll_14_5_0_0_0.sql'.
● Copy 'upgrade_tb_rel_ofsll_14_3_1_0_x_to_14_5_0_0_0.sql' file available under data_fix folder to \ofslldb.zip\infrastructure\tables folder.
● Copy the file 'upgrade_seed_data_combination_14_3_1_0_x_to_14_5_0_0_0.sql' available under data_fix folder to \ofslldb.zip\seed_data\us\combination_data\sql\.

2.4.1 Upgrade to 14.5.0.0.0

Before you begin the upgrade:

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- Execute the following grants as sys user to facilitate Data Masking functionality for Personally Identifiable Information using Data Redaction:
  - grant EXECUTE ON sys.dbms_redact TO ${OFSLL_USER};
  - grant SELECT ON REDACTION_POLICIES TO ${OFSLL_USER};
- Create directories and directory objects as listed in section 2.2.4 of Database Installation guide. The directory objects which are introduced in the later versions of OFSLL can be created by executing the following script as OFSLL USER 'upgrade_utldir_cmn.sql' which is available in dba_utils folder.
- Execute the script 'set_java_perms.sql' available in dba_utils folder after creating the directories. You can refer to the process detailed in section 2.5 of Database installation guide.

If you 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 ofsll)
   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 OFSLL Product
        2.  Upgrade Installation     Upgrade existing installation of OFSLL 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 OFSLL Product
     X  2.  Upgrade Installation     Upgrade existing installation of OFSLL 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/ofsll): []
```

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:

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1. Stop the running services, if any.

```
Enter the Oracle userid (schema name) that will own the Oracle Financial Services Lending and Le
asing
objects? (This is usually ofsllprd): ofsllrel

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...
crt_type_cmn.sql

Type dropped.
```

2. 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.
```

3. Recompile the invalid objects and complete installation.

```
Oracle Financial Services Lending and Leasing DB Object Upgrade Complete.
Log files are located in /scratch/work_area/DEV/OFSLLREL/logs/ofsll_patch_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.

Note

Post upgrade, if there are any invalid java stored procedures noticed, please recompile the respective units manually.

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3. Install/Upgrade OFSLL schema from 12c to 19c DB

To Install/Upgrade OFSLL schema from Oracle 12c to 19c Database, do the following:

1. Grant the following privilege to the OFSLL schema owner:

   Grant CREATE JOB to ${OFSLL_USER};

2. Ensure the database parameter is set as follows 'compatible=19.0.0'

3. Drop invalid java object. (After upgrading to 19c database)

   DROP JAVA SOURCE "vevnad_jl_000_01";

   DROP java class "oracle/security/ssl/OracleSSLCredential";

   DROP java class "oracle/soap/providers/sp/SpProvider";

4. Copy the platform specific library available in the distribution to $OFSLL_HOME/lib folder on the server.

5. Oracle 19c database does not support DBMS_JOB. Hence fix has been provided in the in the following patch OFSLL 14.5.0.0.18.

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