

Oracle Financial Services
Asset Liability Management
Application Pack
Installation and Configuration
Guide

Version 8.0.4.0.0



DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.0	Created: Feb 2016	Captured 8.0.4.0.0 Minor Release installation procedure and configuration details..
2.0	Modified: March 2017	Added details of consolidated one-off patch 25487272.
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Executive Summary

This document includes the necessary instructions to apply 8.0.4.0.0 Minor Release for OFS Asset Liability Management Application Pack and perform the required post install configurations. You can find the latest copy of this document in [OHC Documentation Library](#).

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Preface

This document provides step-by-step instructions to install the OFS ALM Application Pack 8.0.4.0.0 Minor Release.

This chapter discusses the following topics:

- [Audience](#)
- [How this Guide is Organized](#)
- [Conventions Used](#)

Audience

Oracle Financial Services Asset Liability Management Pack Installation and Configuration Guide is intended for administrators, and implementation consultants who are responsible for installing and maintaining the application pack components.

Prerequisites for the Audience

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following is recommended.

- Oracle Financial Services Asset Liability Management pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/ Web Application Server

How this Guide is Organized

The Oracle Financial Services Asset Liability Management Application Pack Installation and Configuration Guide includes the following topics:

- [OFSALM Release 8.0.4.0.0](#)
- [Additional Configurations](#)
- [Appendix A](#)
- [Appendix B](#)
- [Appendix C](#)

Conventions and Acronyms

Conventions	Description
Actions are indicated in Bold .	
Command or query is indicated in <code>Courier New font</code> .	
AIX	Advanced Interactive eXecutive
OFS AAI	Oracle Financial Services Analytical Applications Infrastructure
OFS ALM	Oracle Financial Services Asset Liability Management
OFS ALMBI	Oracle Financial Services Asset Liability Management Analytics
RHEL	Red Hat Enterprise Linux
ML	Maintenance Level
R	Third-party open source software. Open source R is governed by GNU General Public License (GPL).
Oracle R Distribution	Oracle R Distribution is Oracle's free distribution of open source R.
Oracle R Enterprise	Oracle R Enterprise integrates R, the open source scripting language and environment, with Oracle Database.
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.

1 OFS ALM Application Pack Minor Release 8.0.4.0.0

This release of OFS ALM Application Pack is cumulative and includes all enhancements and bug fixes done since the OFS ALM Application Pack v8.0.0.0.0 release.

1.1 Pre Installation Requirements

1. You should have installed either OFS ALM Application Pack version 8.0.0.0.0 or higher.
2. You can refer to [Technology Matrix](#), for Hardware and Software Requirements. ALM 8.0.4.0.0 release qualifies on Java 7 and Java 8.

NOTE: ALM pack 8.0.4.0.0 installer will take a backup of `FIC_HOME` directory before upgrading to 8.0.4 as `<FIC_HOME_BKP>` under the Home directory (`FIC_HOME` is the installer directory path/name set during 8.0 installation).

3. This step is not required if the existing platform version is 8.0.3.x.x.

Bug 23251358-Object Registration is failing with duplicate Constraint Names is regularized in this OFS AAI application pack 8.0.4.0.0. This is bundled as a utility - **Update Constraints Utility**, and is executed as part of the 8.0.4.0.0 patch installation. You must perform the steps listed below and apply the change before you proceed further with the patch upgrade.

- a. Backup the atomic schema for each Information Domain in the OFSAA instance before applying the patch.
 - b. Execution of the utility is a memory intense process as the entire steps involved for performing a full model upload is carried out as part of the utility for each of the Infodom. The OFSAA installation server needs to have twice the allocated memory, which is assigned using parameter `X_ARGS_APPS`.
 - c. Utility creates three temporary tables- `REV_TAB_CONSTRAINTS_U`, `REV_TAB_REF_CONSTRAINTS_U`, and `REV_TAB_CONSTRAINT_COLUMNS_U`. If the atomic schema has any of these tables already created for a different purpose, take a backup and drop/rename.
 - d. For more information about the utility execution and log files information, see [Update Constraints Utility](#) section.
4. To install this release on Oracle Solaris OS, refer to the following list for version specific information:
 - **Solaris 11** – Upgrade to Oracle Solaris 11.3 with SRU09 or higher. See https://docs.oracle.com/cd/E60778_01/html/E60743/gouaw.html#scrolltoc to upgrade to SRU09 if you have a lower SRU version. Additionally, install the required runtime libraries. For more information, see [Installing Only the Runtime Libraries on Oracle Solaris 11](#).

- **Solaris 10** – Install the required OS patches. For more information, see [Installing the Required Oracle Solaris 10 Patches](#). Additionally, install the required runtime libraries. For more information, see [Installing Only the Runtime Libraries on Oracle Solaris 10](#).

NOTE: In an OFSAA instance where multiple OFSAA application packs have been installed/ deployed, it is mandatory to upgrade all OFSAA application packs to 8.0.4.0.0 release. You should start the upgrade of OFS ALM pack, only after confirming that all of the application packs in your OFSAA instance are available for upgrade to 8.0.4.0.0 version. For information on availability of the required OFSAA Application Packs, see [2246606.1](#).

5. The common app FSDF T2Ts gives a 'more than 1000 columns' error when it is executed on database version 12.1.0.2.0. To fix this error, the following patch needs to be applied:

Patch 19509982: DISABLE FIX FOR RAISING ORA-1792 BY DEFAULT

6. Connect to the database as user with DBA privileges. Execute the following grant statement:

```
GRANT CREATE TYPE TO [<ATOMIC SCHEMA>];
```

NOTE: This grant should be executed for all existing Atomic Schemas.

7. Download the one-off patch 25343603 from [My Oracle Support](#) if OFSAA is deployed on Oracle WebLogic Server version 12.2.x.
8. Download the consolidated one-off patch 25487272 from [My Oracle Support](#).
9. Download the consolidated one-off patch 25777667 from [My Oracle Support](#).

1.2 Pre Installation Activities

OFS ALM Application pack v8.0.4.0.0 installer download contains only the ERwin XML file that is required for uploading the model. This file is sufficient to install the v8.0.4.0.0 Application pack. However, this XML file cannot be opened in the ERwin Data modeler tool and hence cannot be used for any data model customization. ERwin file is delivered as a patch and need to be downloaded separately. This ERwin file should be used for any customization of the data model.

To download the Data Model Erwin file, Login to <https://support.oracle.com/> and search for **25457961** under the Patches & Updates tab.

The Datamodel xml released with 8.0.4.0.0 IR has change of sequence in the primary key of FCT_COMMON_ACCOUNT_SUMMARY. Uploading of this model leads to dropping of Foreign Keys and FKs are not reinstated.

Hence, you should copy OFS_ALM_Datamodel.xml available in the patch 25589028_GENERIC.zip to installer kit for 8.0.4.0.0 installation. Location of the xml in the kit is /OFS_ALM_PACK/OFS_ALM/DataModel.

Also, 25589028_GENERIC.zip has Model_Prescripts.sql bundled with it and run it in atomic schema. Execute these scripts before installation of ALM Pack 8.0.4.0.0.

NOTE: If you are merging current data model with the OFS_ALM_Datamodel.erwin from patch 25457961, then patch 25589028 is not required.

1.3 How to Apply This Minor Release?

1.3.1 Installing OFS ALM Application Pack

NOTE: Ensure that ACL feature is not set during the installation.

Refer to the following instructions to download, extract, install, and configure this release.

1. Login to <https://support.oracle.com/> and search for **25442130** under the *Patches & Updates* tab.
2. Download the OFS ALM Application Pack v8.0.4.0.0 archive file and copy it to your OFSAA server in **Binary** mode.

NOTE: The archive files are different for every operating system like AIX, Solaris, and RHEL/Oracle Linux.

3. Login to the OFSAA Server.
4. Shut down all the OFSAAI Services. For more information, refer to the *Start/Stop Infrastructure Services* section in [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#).
5. Execute the following command:

```
chmod -R 750 $FIC_HOME
```
6. If you have Unzip utility, skip to the next step. Download the Unzip utility (OS specific) and copy it in **Binary** mode to the directory that is included in your PATH variable, typically **\$HOME** path or directory in which you have copied the 8.0.4.0.0 installer.

- Uncompress the unzip installer file using the command:

```
uncompress unzip_<os>.Z
```

NOTE: In case you notice an error message “**uncompress: not found [No such file or directory]**” when the package is not installed, contact your UNIX administrator.

- Give EXECUTE permission to the file using the command:

```
chmod 751 OFSALM_80400_<OperatingSystem>.zip.
```

7. Extract the contents of the 8.0.4.0.0 archive file using the command:

```
unzip_<os> -a <name of the file to be unzipped>
```

NOTE: The above “-a” option is mandatory to unzip the archive file. For example:

```
unzip_aix -a OFSALM_80400_<OperatingSystem>.zip
```

8. Update the parameters in params.conf file present in /OFS_ALM_PACK/OFS_ALM/conf/ directory. The update instructions are present in the file itself.
9. Navigate to the path where the folder *OFS_ALM_PACK* exists and execute the command:

```
chmod -R 755 OFS_ALM_PACK
```

10. Execute **OFSAAIUpdate.sh** file using the following command.

```
./OFSAAIUpdate.sh
```

Verify if the release is applied successfully by checking the log file generated in the installation folder in the path <PATCH_EXTRACTED

FOLDER>/OFS_ALM_PACK/OFS_ALM/logs/OFS_ALM_patch_installation.log.

You can ignore ORA-00001, ORA-00955, ORA-02260, ORA-01430, and ORA-01031 errors in the log file. In case of any other errors, contact Oracle Support.

11. Install the consolidated one-off patch 25777667. Refer to the Readme available with the patch for further instructions on installing the patch.
12. If OFSAA is deployed on Oracle WebLogic Server version 12.2.x, install the one-off patch 25343603. Refer to the Readme available with the patch for further instructions on installing the patch.

NOTE: Refer to the [Technology Matrix](#) for a list of supported servers for OFSAAI 8.0.4.0.0.

13. Install the consolidated one-off patch 25487272. Refer to the Readme available with the patch for further instructions on installing the patch.
14. Verify the Update.log file located at
\$FIC_HOME/utility/UpdateConstraints/logs folder which is created by Update Constraint utility.

Execution status information of the utility is available against each Information domain. For success, “*Update successful*” message is displayed. If it is successful, verify the following references for new constraint names:

- ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml
- Constraint scripts under ftpshare/<INFODOM>/erwin/scripts/table
- Constraint scripts under ftpshare/<INFODOM>/scripts
- Object registration tables for constraints, REV_TAB_CONSTRAINTS, REV_TAB_REF_CONSTRAINTS, REV_TAB_CONSTRAINT_COLUMNS.
- Oracle Data Dictionary in respective atomic schema for each Infodoms.

If you encounter errors in the `Update.log` file, identify and troubleshoot the failed Infodoms. Once you have completed the troubleshooting, execute the standalone utility for the failed Infodoms. For more information on executing the update constraints utility, see the section [Update Constraints Utility](#).

15. Secure your OFSAA Infrastructure. For more information on securing your OFSAA Infrastructure, refer to the Security Guide in [OTN Documentation Library](#).

16. After successful installation, perform the these steps:

- Clear the application cache. Navigate to the following path depending on the configured web application server and delete the files.
- **Tomcat:**
<Tomcat installation folder>/work/Catalina/localhost/<Application name>/org/apache/jsp
- **WebLogic:**
<Weblogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/_WL_user/<Application name>/<auto generated folder>/jsp_servlet
- **WebSphere:**
<Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
- Deploy RPD and webcat file(s)
 - Take a backup of deployed ALMBI.rpd and ALMBI.catalog files from the obiee environment.
 - Navigate to folder \$FIC_HOME/ALMBI/RPD_WEBCATALOG/ which contains both ALMBI.rpd and archived ALMBI.catalog files. Deploy both the files into OBIEE deployment area.
 - Modify connection pool and set the properties. For more information, refer to [Oracle Financial Services Asset Liability Management Application Pack](#)

[Installation Guide Release 8.0.0.0.0](#) (Modify connection pool and set the properties under section 11.2.2). To deploy the ALMBI application, follow the OBIEE configuration steps in [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#).

- Any customizations performed on the older RPD and Webcatalog files needs to be manually carried over to the newer ones post deployment.
 - Clear OBIEE cache, if enabled.
17. Add umask 0027 in the `.profile` of the UNIX account which manages the WEB server to ensure restricted access permissions.
 18. Post successful installation of ALM 8.0.4.0.0 Application Pack, perform the configurations as explained in [Additional Configurations](#), [Appendix A](#), [Appendix B](#), and [Appendix C](#).
 19. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying EAR / WAR file, refer to the *Post Installation Configuration* section in [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#).
 20. After the successful installation of the release, restart all the OSFAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#).

Note: Upgrade of ALM Application Pack 8.0.4 requires the upgrade of related packs like PFT pack, IFRS pack, and PM pack to 8.0.4. If these packs are not upgraded, the applications within these packs will be disabled from the User Interface. For Example:

VERSION	PACK ID	COMPATIBLE PACK ID
8.0.4.0.0	OFS_ALM_PACK	OFS_PFT_PACK
8.0.4.0.0	OFS_ALM_PACK	OFS_IFRS_PACK
8.0.4.0.0	OFS_ALM_PACK	OFS_PM_PACK

1.4 Post Installation Activities

- Modify `.profile` to append the variable `LD_LIBRARY_PATH` with `$FIC_DB_HOME/lib/libC++11` for installations on Solaris platforms.
- Download the consolidated one-off patch 28226857 from [My Oracle Support](#).

- Apply the one-off patch **25595727** as this contains the fix for ALMBI T2T Execution, where certain STG records are not loaded to the FCT tables. Refer to the Readme available with the patch for further details and instructions on installing the patch.
- Apply the patch **25914949** for ALM 8.0.4.0.0 installations on AIX7.1 operating system and Oracle 11g database. Note that this is a **mandatory patch for installations on AIX7.1 operating system with Oracle 11g**. Other combinations of operating system and database **do not** need this patch.

1.5 Additional Configurations

This section provides information for additional configuration required for the OFSAA application packs.

1.5.1 Configurations for Big Data Processing

You can refer the *Configurations for Big Data Processing* section in the [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide](#).

1.5.2 Configurations for Enterprise Modeling

You can refer the [Oracle Financial Services Analytical Applications Infrastructure Applications Infrastructure Administration User Guide](#) for information on configuration for Enterprise Modeling.

1.5.3 Configurations for Inline Processing Engine (IPE)

You can refer the [Oracle Financial Services Analytical Applications Infrastructure Applications Infrastructure Administration User Guide](#) for information on configuration for IPE.

1.5.4 Configurations for Process Modeling Framework

You can refer the [Oracle Financial Services Analytical Applications Infrastructure Applications Infrastructure Administration User Guide](#) for information on configuration for Process Modeling Framework.

1.5.5 Configurations for Forms Manager

You can refer the [Oracle Financial Services Analytical Applications Infrastructure Applications Infrastructure Administration User Guide](#) for information on configuration for Forms Manager.

1.6 Additional Configurations for Web Servers

This section provides information for additional configuration required for the web servers on OFS AAI.

1.6.1 Configuration for Tomcat

You can refer the [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide](#) for information on configuration for Tomcat.

1.7 Update Constraints Utility

This utility applies a new naming convention to constraints (PK and FK) to resolve the following issues:

- For tables with similar names which are relatively long (>27 characters) where initial few characters differ (for example, FCT_COMMON_ACCOUNT_SUMMARY), the constraint names get generated as same causing an Oracle error of duplicate constraints.
- When number of foreign keys for a table is more than 100, the length of the constraint name exceeds the permissible limits allowed by Oracle Database.

NOTE: Ignore the data model key changes enhancement utility if you are upgrading from OFS AAI 8.0.3.0.0 to 8.0.4.0.0.

The new naming convention has the following logic. A Unique ID gets generated for each data model entities. The new constraint name will be generated by appending the unique ID with 'FK' or 'PK' (along with a sequence for FK). For example PK on DIM_ACCOUNT will be formed as PK_101, where 101 is the unique id of DIM_ACCOUNT. Similarly, FKs on FCT_ACCOUNT_SUMMARY will be FK_206_01, FK_206_02, FK_206_03, FK_206_04, where 206 is the unique id of FCT_ACCOUNT_SUMMARY and the table has 4 FKs.

This utility gets executed as part of the OFSAAI 8.0.4.0.0 patch installation. After successful installation of the OFSAAI 8.0.4.0.0 installer patch, verify the `Update.log` file located at `$FIC_HOME/utility/UpdateConstraints/logs` folder that is created by Update Constraint utility. Else, the value of `AAI_MU_UTIL_UPDATE_CONS.V_FLAG_VALUE` of the Config Schema table. If its value is 'N' against an Infodoms, it is identified as failure.

In case of errors, identify and troubleshoot the failed Infodoms. Once you have completed the troubleshooting, execute the standalone utility for the failed Infodoms.

1.7.1 How to Execute the Utility

Utility performs the backup of the following files under `ftpshare/<INFODOM>_encon_bkp` but restoration is not done.

- `ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml`
- Constraint scripts under `ftpshare/<INFODOM>/erwin/scripts/table`

- Constraint scripts under ftpshare/<INFODOM>/scripts

To execute the utility, perform the following steps:

1. Navigate to \$FIC_HOME/utility/UpdateConstraints/bin/ folder and grant RWX (755) permissions for all executables (.sh files).
2. Execute the utility manually for each of the failed information domains.

```
$FIC_HOME/utility/UpdateConstraints/bin/execute.sh $INFODOM
```
3. If the process is successful, verify the following references for new constraint names:
 - ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml
 - Constraint scripts under ftpshare/<INFODOM>/erwin/scripts/table
 - Constraint scripts under ftpshare/<INFODOM>/scripts
 - Object registration tables for constraints, REV_TAB_CONSTRAINTS, REV_TAB_REF_CONSTRAINTS, REV_TAB_CONSTRAINT_COLUMNS.
 - Oracle Data Dictionary in respective atomic schema for each Infodoms.
4. In case of failure, refer the utility's log and identify the cause of the failure. Resolve the issues before proceeding with the re-run of the utility. For more queries, contact Oracle Support Services.

1.7.2 Troubleshooting

Utility goes through six different steps, which can be traced with the below messages.

At every stage identify the cause of the failure and resolve the issues before proceeding with the re-run of the utility.

Steps	Description	Action to be taken
1	Generate Scripts and updating DATABASE.XML	<p>Step 1: Restore the file backed up at ftpshare/(<INFODOM>_encon_bkp/erwin/fipxml/(<INFODOM>_DATAB ASE.xml to the destination ftpshare/(<INFODOM>/erwin/fipxml/(<INFODOM>_DATABASE.xml.</p> <p>Step 2: Restore the folders backed up at ftpshare/(<INFODOM>_encon_bkp/erwin/scripts/table to the destination folder ftpshare/(<INFODOM>/erwin/scripts/table.</p> <p>Step 3: Restore the folders backed up at ftpshare/(<INFODOM>_encon_bkp/scripts to the destination folder ftpshare/(<INFODOM>/scripts.</p> <p>Step 4: Re-run the utility.</p>
2	Triggering Object Registration	<p>Step 1: Restore the file backed up at ftpshare/(<INFODOM>_encon_bkp/erwin/fipxml/(<INFODOM>_DATAB ASE.xml to the destination ftpshare/(<INFODOM>/erwin/fipxml/(<INFODOM>_DATABASE.xml.</p> <p>Step 2: Restore the folders backed up at ftpshare/(<INFODOM>_encon_bkp/erwin/scripts/table to the destination folder ftpshare/(<INFODOM>/erwin/scripts/table.</p> <p>Step 3: Restore the folders backed up at ftpshare/(<INFODOM>_encon_bkp/scripts to the destination folder ftpshare/(<INFODOM>/scripts.</p> <p>▪ Step 4: Re-run the utility.</p>

Steps	Description	Action to be taken
3	Gathering information about previous constraint names	<p>Step 1: Restore the file backed up at <code>ftpshare/<INFODOM>_encon_bkp/erwin/fipxml/<INFODOM>_DATABASE.xml</code> to the destination <code>ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml</code>.</p> <p>Step 2: Restore the folders backed up at <code>ftpshare/<INFODOM>_encon_bkp/erwin/scripts/table</code> to the destination folder <code>ftpshare/<INFODOM>/erwin/scripts/table</code>.</p> <p>Step 3: Restore the folders backed up at <code>ftpshare/<INFODOM>_encon_bkp/scripts</code> to the destination folder <code>ftpshare/<INFODOM>/scripts</code>.</p> <p>Step 4: Re-run the utility.</p>

Steps	Description	Action to be taken
4	Alter constraints	<p>Step 1: Execute the following statements to drop the back up tables in Atomic Schema:</p> <pre>Drop table REV_TAB_CONSTRAINTS_U; Drop Table REV_TAB_REF_CONSTRAINTS_U ; Drop table REV_TAB_CONSTRAINT_COLUMNS_U;</pre> <p>Step 2: Restore the file backed up at ftpshare/<INFODOM>_encon_bkp/erwin/fipxml/<INFODOM>_DATABASE.ASE.xml to the destination ftpshare/<INFODOM>/erwin/fipxml/<INFODOM>_DATABASE.xml.</p> <p>Step 3: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/erwin/scripts/table to the destination folder ftpshare/<INFODOM>/erwin/scripts/table.</p> <p>Step 4: Restore the folders backed up at ftpshare/<INFODOM>_encon_bkp/scripts to the destination folder ftpshare/<INFODOM>/scripts.</p> <p>Step 5: Modify r_rename_cons.sql that is available in the \$FIC_HOME/utility/UpdateConstraints/Scripts/<INFODOM> folder by adding semicolon at the end of each line.</p> <p>Step 6: Execute the file r_rename_cons.sql in the Infodom Atomic Schema. Note: Ignore any ORA errors related to 'constraint does not exist'.</p> <p>Step 7: Re-run the utility.</p>

Steps	Description	Action to be taken
5	Clear data of previous constraints	<p>This can be considered as a successful case. However, user needs to execute the following SQL commands.</p> <p>Step 1:</p> <p>Execute the following statements to drop the back up tables in Atomic Schema:</p> <pre>Drop table REV_TAB_CONSTRAINTS_U; Drop Table REV_TAB_REF_CONSTRAINTS_U ; Drop table REV_TAB_CONSTRAINT_COLUMNS_U;</pre> <p>Step 2 :</p> <p>Execute the statement in Configuration Schema, after replacing <INFODOM> with the respective information domain:</p> <pre>UPDATE aai_mu_util_update_cons SET V_FLAG_VALUE='Y',V_UPDATE_DATE=SYSDATE where DSNID='<INFODOM>'</pre>
6	Update Successful	-

1.8 Model Resave Utility

If you upgrade OFS AAI to 8.0.4.0.0 from an older version, you have to resave all ORE based models. To resave, you have to use the utility `modelresave.sh`, which is available in the folder `$FIC_DB_HOME/bin`.

You cannot trigger the model resave utility if the *RQADMIN* role is not granted to *config schema*.

For more information on granting the role, refer to the section *Configuration for Oracle R Distribution and Oracle R Enterprise (ORE)* in the [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide v8.0.2.0.0](#).

To run the utility from the console:

5. Navigate to `$FIC_DB_HOME/bin` folder and grant RWX (755) permissions for all executables (.sh files).
6. Execute the utility using the following command:

```
./modelresave.sh
```

This will resave all the available ORE models.

7. Provide the following parameter if you want to resave ORE models that are present in a particular information domain:

- **INFODOM**- Specify the information domain name if you want to resave the models only in a particular information domain.

For example, `./modelresave.sh <infodom>`

You can find the logs in `$FIC_DB_HOME/log/migration.log`.

Appendix A - Installation of R and Oracle R Enterprise (ORE)

This is an optional step and required only if you intend to use Term Structure Parameter Estimation functionality under Rate Management – Interest Rates, for computing term structure parameters. Both Funds Transfer Pricing and Asset Liability Management applications require term structure parameters for all monte carlo engine based calculations (OAS, VaR and EaR).

Following are the prerequisites:

- Install R and Oracle R Enterprise Server on the Oracle Database server. Refer to https://docs.oracle.com/cd/E57012_01/doc.141/e57007.pdf
- ORE version supported - Oracle R Enterprise (Server) version 1.4.1

Configuration for Oracle R Enterprise

Grant the `RQADMIN` role to atomic schema.

You can grant the `rqadmin` role in SQL*Plus by logging in to the database with DBA privileges and provide the following privilege to Atomic Schema:

```
RQADMIN by executing the command:  
GRANT RQADMIN TO < atomic_schema>;
```

Appendix B – OBIEE Upgrade

Repository and Catalog upgrade steps:

Repository Upgrade

- Install OBIEE Client version 11.1.1.9.5 onto your desktop
- Open the 11.1.1.7.1 repository in the OBIEE Administration client version 11.1.1.9.5
- Run a consistency check (to check if any errors/warnings)
- Save the repository

The above steps will auto-update the repository to 11.1.1.9 version.

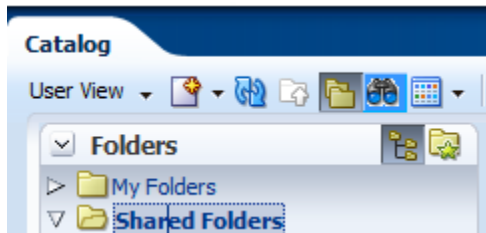
NOTE: ALMBI 8.0.4.0.0 release support is available in two versions of OBIEE(11.1.1.7.1 and 11.1.1.9.5).

Repository password is “Administrator1”.

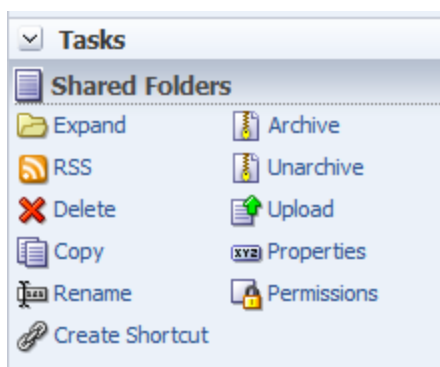
Catalog Upgrade

Unarchive the catalog folders provided as part of Code drop.

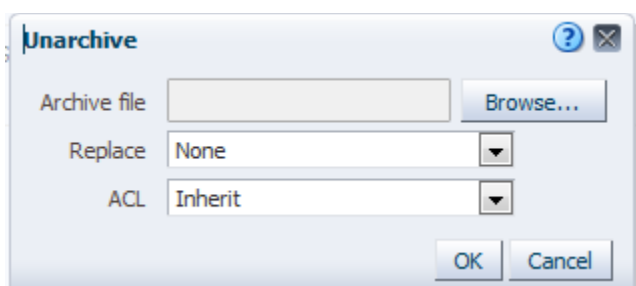
- Open the presentation services link for OBIEE setup version 11.1.1.9.5
- Click on “Catalog” link [top right side]
- Click on “Shared Folders”, in the left side pane



- Click on “Unarchive” option provided at the bottom of same left pane



- Provide the catalog path in the pop up window. Do not change the other options (unless required). Details on options(Replace and ACL) are provided below, and click on OK.



Replace

It is used to specify if and how to replace an existing folder or object with the same name. Note the following options:

- All — Select this option to replace any existing folders or objects with the same names as folders or objects included in the archive file that you are uploading.
- Old — Select this option to replace folders or objects except those folders or objects that exist, unless they are older than the source.
- None — Select this option to add any new folders or objects, but preserve any existing folders or objects.
- Force — Select this option to add and replace all folders or objects.

ACL

It is used to specify how the folders or objects are assigned permissions using Access Control Lists (ACLs) when unarchived. Note the following options:

- Inherit — Inherits the folder or object's permissions (ACL) from its new parent folder.
- Preserve — Preserves the folder or object's permissions (ACL) as it was in the original, mapping accounts as necessary.
- Create — Preserves the folder or object's permissions (ACL) as it was in the original, creating and mapping accounts as necessary.

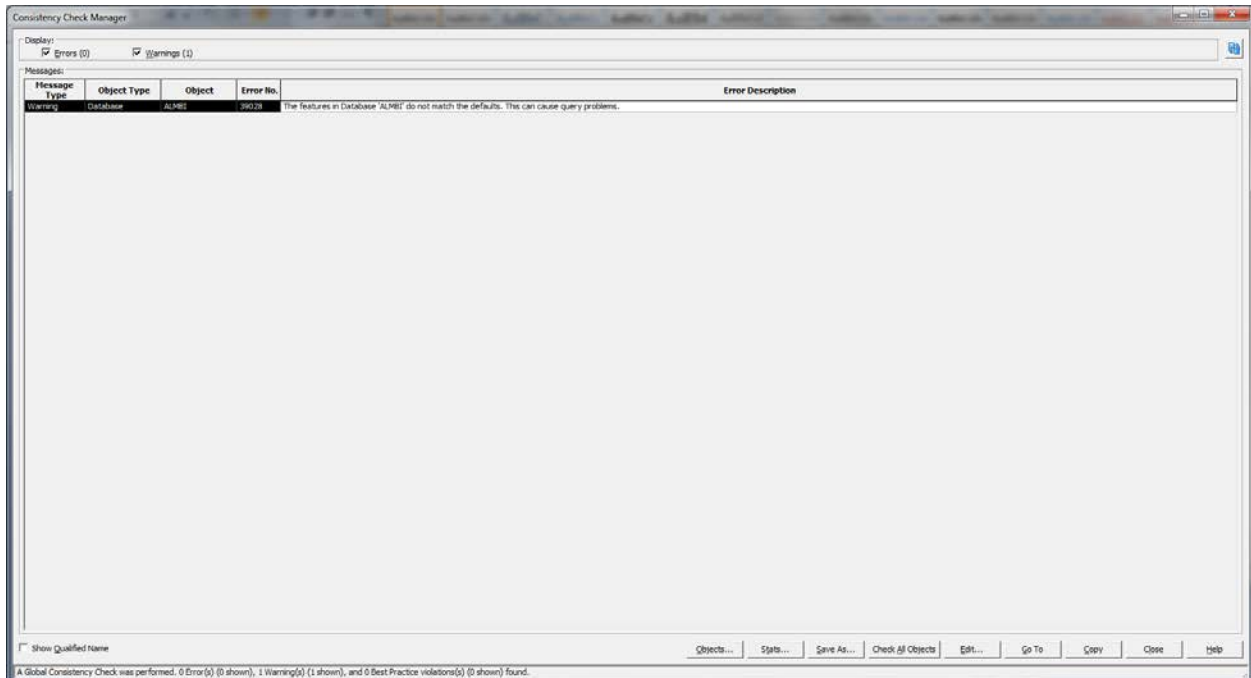
This will unarchive the catalog folder under “Shared Folders”/”shared” folder. Repeat the steps, in case of multiple catalog folders if needed to be copied.

Note: All the catalog folders should be under “Shared Folders”/”shared”

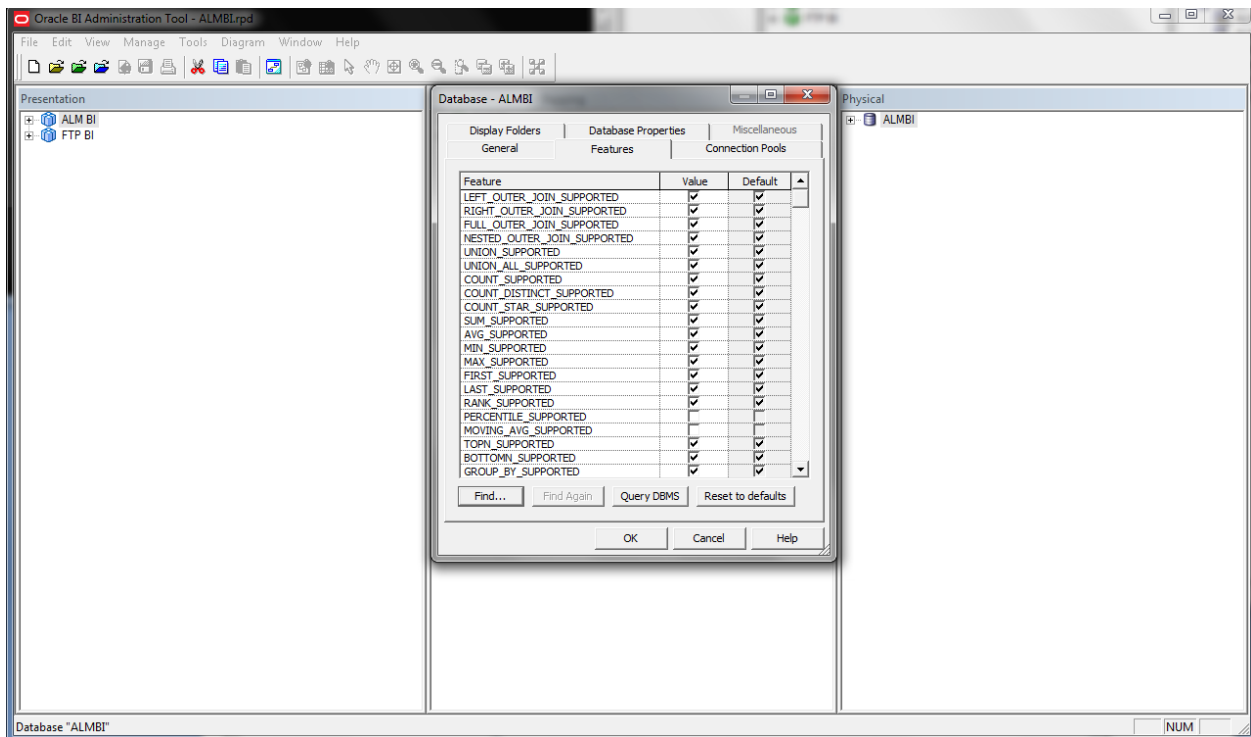
- The dashboards will now be accessible in OBIEE version 11.1.1.9

Post RPD Upgrade Steps

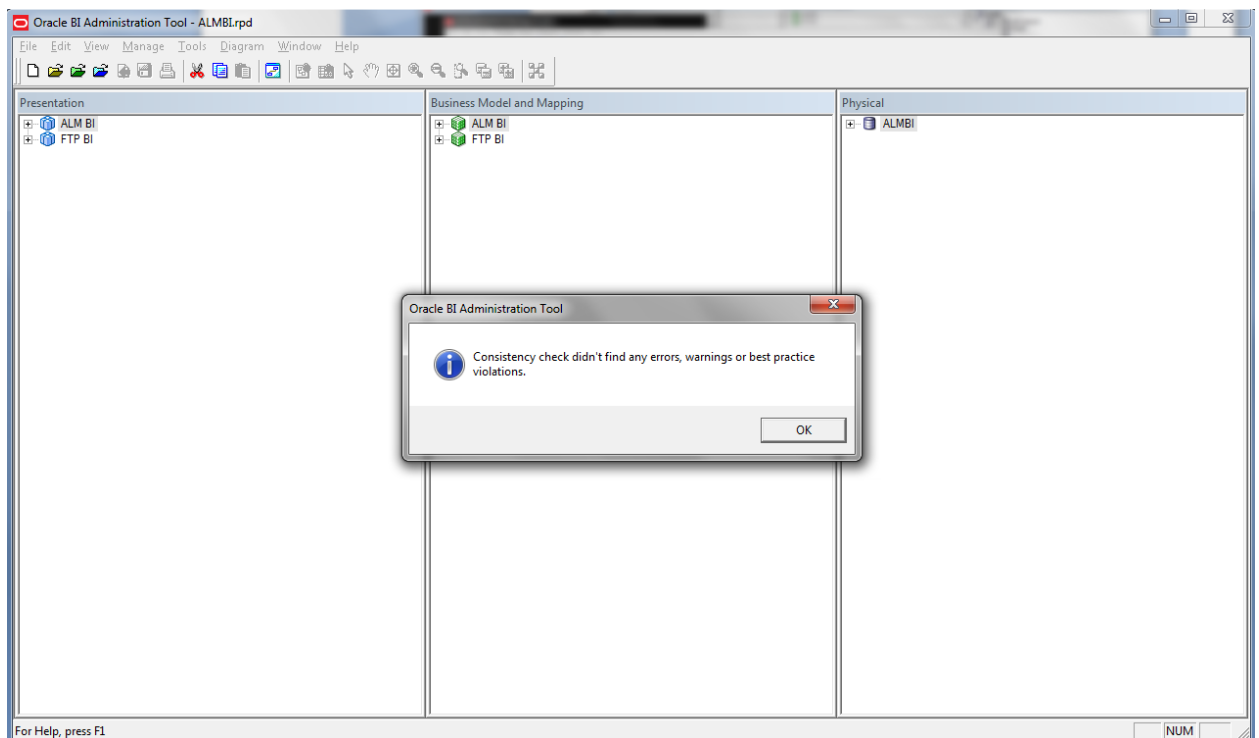
1. Check Global Consistency i.e. click Ctrl+k
2. Click on the below warning.



3. Click on Reset for default values and then click OK.



4. Save the RPD.
5. Check for Global Consistency. There should not be any warning.



Appendix C - Frequently Asked Questions (FAQ)

Which release version of OFS ALM 8.x on OSDC should I choose to install?

You can choose OFS ALM 8.0 or higher versions. However, Oracle recommends that you install OFS ALM 8.0.2.0.0.

What are the browsers supported for OFS ALM?

OFS ALM supports web browsers Microsoft Internet Explorer™, Google Chrome™ and Mozilla Firefox™. For detailed information, refer to the [Technology Matrix](#).

Note: The support information for browsers mentioned here is applicable only for OFS ALM. For browser support information on other OFSAA applications, refer to the respective application pack documentation.

What is the screen resolution supported for OFS ALM?

OFS ALM supports screen resolutions of 1024 x 768 and 1280 x 1024 pixels.

Should I select inbuilt browser-based property 'Prevent this page from creating additional dialogs' in Chrome and Firefox?

No, this will block the OFS ALM dialogs from displaying on the screen and impact the functionality.

What checks does the 8.0.4.0.0 Release patch perform?

- Environment Check- As part of environment check, it performs Java validation, Environment Variables validation, OS specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).
- Post Install check- As part of Post Installation check, it checks if OFSAAI services can be successfully started.

Which version of ERwin Data Modeler does OFSAAI support?

The references to Data Modeler ERwin versions 70, 71, 72, 90, 92 and 96 are provided for the AAI framework to support these for backward compatibility. However, the data model-slices shipped with OFS ALM 8.0.4.0.0 application packs are compatible with Erwin v9.5 and 9.64.

What should I do for viewing the log files in Debug level for troubleshooting?

By default, the log level is set as INFO. You need to manually change it to Debug to view the log files in debug level. Based on your requirement, you can change the log level to Warn, Error, or Fatal as well.

8. Navigate to `$FIC_HOME/conf` in the APP layer of your OFSAAI installation.
 - Change the **priority value** to **Debug** in the `RevLog4jConfig.xml` file.

For example:

```
<root>
  <priority value ="debug" />
  <appender-ref ref="ConsoleAppender1" />
</root>
```

Change the value of **LOGGERLEVEL** in the *DynamicServices.xml* file from **20** to **0**. (**20** is the value for Info and **0** for Debug.)

For multi-tier installation, you need to change the log level to Debug in the *DynamicServices.xml* and *RevLog4jConfig.xml* files, which are present in *\$FIC_APP_HOME/conf*, *\$FIC_DB_HOME/conf*, and *\$FIC_WEB_HOME/conf* as well.

9. Navigate to *\$FIC_WEB_HOME/webroot/conf* and change the **priority value** to **Debug** in the *ExportLog4jConfig.xml*, *MDBLogger.xml*, and *PR2Logger.xml* files for viewing log files in Debug level for the modules Archive/Restore, Metadata Browser and RRF respectively.
10. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying EAR / WAR file, refer to the *Post Installation Configuration* section in [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#).
11. Restart the OFSAAI Services (APP and WEB). For more information, refer to the *Start/Stop Infrastructure Services* section in [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#).

Can I install OFSAA 8.0.0.0.0 release Application Packs on an OFSAA instance which is already upgraded to a higher version say 8.0.4.0.0?

Yes. You can install an OFSAA 8.0.0.0.0 release Application Packs on an OFSAA instance which is already upgraded to a higher version. Refer the *Installer and Installation Prerequisites* table (section *Installer and Installation Prerequisites* >> *Category Others* >> *Sub-Category OFSAA*) in the [Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0](#) for more details prior to proceeding with the installation.

While executing an ORAAH model created in a Hive sandbox, a message [1] "package 'ORE' not found" is displayed in the log file generated in Remote R server. What should I do?

This has no impact on the model execution. You can ignore the log file message and proceed further. Please verify if the OJDBC6 jar is placed in the lib path of the remote box.

What should I do when model execution fails in ICC?

If model execution fails in ICC, check whether the optional parameter is set to `$MODE=M`. If not, set it to `$MODE=M` and run the model execution.

What is the required disk space for ALM 8.0.4 Application Pack installation?

The required free disk space for ALM installation is Current disk space of `$FIC_HOME` + Patch size.



OFSALM

8.0.4.0.0 Installation and Configuration Guide

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