

Oracle Financial Services
Analytical Applications
Infrastructure
Installation Guide

Release 7.3.2.0.0



DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
Draft	Created: July 2012	Captured 7.3.2.0.0 Interim Release enhancement updates.
1.0	Updated: September 2012	Updated the suggested reviewed changes.
2.0	Updated: December 2012	Updated the suggested reviewed changes as follows: Modified Section 1.1 Modified Section 1.2 step 5 Modified Section 1.2 step 9 Included Section 1.2 step 10 Included Section 1.6
2.1	Updated January 2013	Included critical one-off patch details in section 1.2.
2.2	Updated February 2013	Included critical one-off patch details in section 1.2 and limitations.
Created by: Anand / Aneesh	Reviewed by: Bharath/Bibhuti / Madhumita	Approved by: Jeevraj / Surag Ramachandran / Deepthi

Executive Summary

This document includes the necessary instructions to apply 7.3.2.0.0 Interim Release and perform the required post update configurations. You can find the latest copy of this document in [OTN library](#) which includes all the recent additions/revisions (if any) done till date..

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1 OFSAAI Release 7.3.2.0.0

OFSAAI 7.3.2.0.0 Interim Release (IR) is cumulative and it includes all enhancements and bug fixes done since the GA release i.e. OFSAAI v7.3.

Conventions and Acronyms

Conventions	Description
Screen Names are <i>italicized</i>	
Screen actions are indicated in Bold	
IR	Interim Release
ML	Maintenance Level Release
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
AIX	Advanced Interactive eXecutive
RHEL	Red Hat Enterprise Linux
OEL	Oracle Enterprise Linux
OS	Operating System
EAR / WAR	Enterprise Archive / Web Archive
J2EE	Java 2 Enterprise Edition
OTN	Oracle Technology Network

1.1 Pre Installation Requirements

- You must have successfully installed OFSAAI **7.3 GA** or **7.3.1.0.0** or **7.3.1.1.0**.
- In case of fresh installation of OFSAAI, ensure the "Post Installation Configuration" of OFSAAI 7.3 GA has been completed prior to proceeding with the installation of this IR. If you are applying this IR on an existing working setup of OFSAAI 7.3.x, you may skip this step.
- Execute the below query in CONFIG schema:

```
SELECT DISTINCT(T1.V_BATCH_ID) FROM BATCH_MASTER T1, BATCH_MASTER
T2 WHERE
REPLACE(TRANSLATE(T1.V_BATCH_ID, '~!@#$$%^&*()+=[ ]{\}\|\|;"<>?,-:~.' ,
'#'), '#', '') =REPLACE(TRANSLATE(T2.V_BATCH_ID,
 '~!@#$$%^&*()+=[ ]{\}\|\|;"<>?,-:~.' , '#'), '#', '') AND
T1.V_CREATED_DATE <> T2.V_CREATED_DATE
```

This query returns a list of Batch Names with special characters. These characters are removed as part of the 7.3.2.0.0 patch installation. However, few constraints may fail to get enabled. Therefore, if the query returns a list of batch names, you need to manually remove and recreate the batches without using the special characters. For more information on creating batches, refer Operations > Batch Maintenance section of “OFSAAI 7.3.2.0.0 User Manual” available at [OTN library](#).

1.2 How to Apply this Interim Release?

Refer to the following instructions to extract the contents of this IR.

1. Login to <https://support.oracle.com/> and search for 16002708 under the *Patches & Updates* tab.
2. Download the 7.3.2.0.0 IR archive file and copy it to your AAI server in **Binary** mode.

NOTE: There are different archive files for different operating systems such as AIX, Solaris, and RHEL/OEL.

In case of a multi-tier deployment, the IR needs to be copied and installed on each tier in the following order:

- APP tier
- DB tier
- WEB tier

NOTE: If APP and WEB are in same tier, then execute the IR in DB tier first.

Note that the terminology “tier” referenced in this document refers to the different components of AAI installed on any box. For example, DB tier would mean the box on which the “ficdb” components of AAI are installed, and does not mean the physical DB engine. Similarly, the WEB tier would mean the box on which the “ficweb” component resides and does not mean the physical web server/ J2EE engine. APP tier would mean the box on which the “ficapp” components reside.

3. Shutdown all the OFSAAI Services. For more information refer “Start/Stop Infrastructure Services” section in [OFSAAI 7.3 Installation and Configuration Guide](#) available at OTN library.
4. Ensure that all the files / folders such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb in the **\$FIC_HOME** folder have write permissions assigned. If not, navigate to **\$FIC_HOME** folder and execute the command **chmod -R 775 *** to assign Write permission to the files/folders. In case of multi-tier installation, repeat this step on all tiers.

- (Optional) Download the Unzip utility (OS specific) **unzip_<os>.Z** from the location <https://updates.oracle.com/unzips/unzips.html> 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 7.3.2.0.0 IR.

- 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.

- Ensure that the file has Execute permissions set. If not, run the following command:

```
chmod 751 unzip_<os>
```

For example, `chmod 751 unzip_sparc.Z`

- Ensure that the file has execute permissions set. If not, run the following command:
`chmod 751 OFSAAI_7.3.2.0.0_<OperatingSystem>_Oracle<Version>.zip.`
- Extract the contents of the 7.3.2.0.0 IR archive file using the following 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 OFSAAI_7.3.2.0.0_<OperatingSystem>_Oracle<Version>.zip`

- Navigate to path `OFSAAI_7.3.2.0.0_<OperatingSystem>_Oracle<Version>` and ensure that **OFSAAIUpdate.sh** file has execute permission set. If not execute the command:

```
chmod 755 OFSAAIUpdate.sh
```

NOTE: In case of a fresh installation, if you wish to enable the PR2 framework, update **ENABLE_RRF** value as **N** in **params.conf** file. By default, **ENABLE_RRF** value is set to **AUTO**. **ENABLE_RRF** value set to **AUTO** enables PR2 framework if PR2 has been used earlier, else RRF is enabled.

- Execute **OFSAAIUpdate.sh** file.

Verify if the IR is applied successfully by checking the log file generated in the current folder.

NOTE: You can ignore ORA-00001, ORA-00955, ORA-02260, and ORA-01430 errors in log file. If you observe any other warning/error reported in the log, bring it to the notice of Oracle Support.

10. After successful installation of IR, download and apply the following one-off patch:
- Bug **15956177**: This facilitates to populate Alphanumeric Code for Numeric dimension members created from the UI.
11. If the **web server** used is **Websphere Application Server**, you will need to configure Filter Servlet by replacing the below tag in **web.xml** file present under **\$FIC_WEB_HOME/webroot/WEB-INF**:

```
<filter-mapping>
<filter-name>FilterServlet</filter-name>
<url-pattern>*</url-pattern>
</filter-mapping>
```

With:

```
<filter-mapping>
<filter-name>FilterServlet</filter-name>
<url-pattern>*.jsp</url-pattern>
</filter-mapping>
<filter-mapping>
<filter-name>FilterServlet</filter-name>
<url-pattern>*.class</url-pattern>
</filter-mapping>
```

12. Navigate to **\$FIC_WEB_HOME/webroot/WEB-INF** and edit the **web.xml** file to have the attribute **metadata-complete="true"** in the tag **<web-app>**, as shown below:

```
<web-app id="WebApp_ID" version="2.5"
xmlns="http://java.sun.com/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd" metadata-
complete="true">
```

13. (Optional) Make the necessary module specific configurations as mentioned in [Optional Module Specific Configurations](#) section.

If you wish to make these configurations at a later time, proceed with the following steps.

14. Generate the EAR/WAR file and deploy on to your configured J2EE container. Refer section [OFSAAI Application Deployment](#), for deploying the application on to J2EE container.
15. Restart OFSAAI services. Refer section [Starting Infrastructure Services](#), for information on restarting all the OFSAAI services.

1.3 Optional Module Specific Configurations

This IR includes the following module and/or feature enhancements done since the GA release i.e. OFSAAI v7.3. You may be required to do certain specific configurations (post successful IR update) in order to use these features. For more information on configuration of these features, refer to OFSAAI 7.3.2.0.0 Administration Guide available at [OTN library](#).

- Dimension Configuration: Alphanumeric and Numeric Codes
- UMM > Hierarchy Node Localization
- T2T and PR2 Query Performance Optimization
- Configure Data Quality Rule Approval Parameters
- Run Rule Framework Module Configuration
- Configure Forms xml to Execute Server Side Rule
- Data Element Filters Classification
- Filter Servlet

1.4 OFSAAI Application Deployment

Generate **EAR/WAR** file and redeploy the application on to the J2EE container (Websphere / Weblogic / Tomcat). For more information on generating and deploying EAR / WAR file, refer *Post Installation Configuration* section in [OFSAAI 7.3 Installation and Configuration Guide](#).

NOTE: Ensure to clear the application cache as per the below instructions. This is applicable to all J2EE Containers (WebSphere, WebLogic, and Tomcat) and OS combination.

To clear the application cache, delete the files from the below location. Navigate to the following path depending on the WebServer configured:

- **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>/qaelce/jsp_servlet
- **Websphere:** <Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>

1.5 Starting Infrastructure Services

Once the IR has been applied successfully and the post-installation steps are completed, all the OFSAAI services must be restarted. For more information, refer to *Start Infrastructure* section in [OFSAAI 7.3 Installation and Configuration Guide](#).

Note that, in 7.3.2.0.0 IR, the memory settings parameter have been moved to **.profile** of APP layer from **reveusstartup.sh** file and you need to update **X_ARGS_APP** field for any customized memory settings. You need to edit the X_ARGS_APP variable in the .profile to customize Java Memory Settings for Model Upload based on the Data Model size.

Depending on the exact number of processors configured, you need to modify the value of "**ParallelGCThreads**" parameter in the following arguments in both "APP" and "DB" tier.

- APP tier
 - X_ARGS_APP - Application Server Memory Settings
 - X_ARGS_OBMIG - Object Migration
 - X_ARGS_WSEXE - Web Services Command Line Utility
- DB tier
 - X_ARGS_RLEXE - Rule Execution
 - X_ARGS_RNEXE - Run Execution

The minimum permissible value of "ParallelGCThreads" parameter which resides in .profile file is "2" and it should not be more than number of processors.

1.6 Known Issues / Limitations

Post installation of 7.3.2.0.0 IR, some hierarchies may not be visible. In such case, check the log file generated in the current folder. If you notice the following error "**ORA-00001: unique constraint (REV_LOCALE_HIER_PK) violated**", download and install the one-off patch **Bug 16214303**. This facilitates to remove the duplicate descriptions present in REV_LOCALE_HIER table.



OFSAAI

7.3.2.0.0 Installation Guide

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:

Phone: +1.650.506.7000

Fax: +1.650.506.7200

www.oracle.com/us/industries/financial-services/

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