

Oracle Financial Services
Analytical Applications
Infrastructure
Installation & Configuration
Guide

Version 7.3.3.2.0



DOCUMENT CONTROL

| Version Number | Revision Date | Changes Done |
|----------------------|-------------------------------|--|
| Draft | December 2013 | Created document to capture OFSAAI 7.3.3.2.0 Maintenance Level Release patch upgrade procedure. Added DQ framework configuration. |
| 1.0 | January 2014 | Added steps to install 7.3.3.2.1 and 7.3.3.2.2 patches. |
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Executive Summary

This document includes the necessary instructions to apply 7.3.3.2.0 Maintenance Level Release and perform the required post install 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 OFSSAI Release 7.3.3.2.0

OFSSAI 7.3.3.2.0 Maintenance Level (ML) includes all bug fixes and minor enhancements done since the previous release, that is 7.3.3.0.0 Interim Release (IR).

Conventions and Acronyms

| Conventions | Description |
|---|---|
| Screen actions are indicated in Bold | |
| IR | Interim Release |
| ML | Maintenance Level Release |
| OFSSAI | 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 |
| Atomic Schema | Database schema where the application data model is uploaded. |
| Configuration Schema | Database schema which contains setup related configurations and metadata. |

1.1 Pre Installation Requirements

- You should have **7.3.3.0.0 IR** as the minimum patch set level.
- Execute the below query in the Configuration 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/spaces. These characters/spaces are removed as part of the ML 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/spaces. For more information on creating batches, refer to the *Operations- Batch Maintenance* section of [OFSSAI 7.3.3.0 User Manual](#).

1.2 How to Apply This Maintenance Level Release?

Refer to the following instructions to install the contents of this ML.

1. Login to <https://support.oracle.com/> and search for 18014596 under the *Patches & Updates* tab.
2. Download the 7.3.3.2.0 ML 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 ML needs to be copied and installed on the OFSSAI tiers in the following order:

- APP tier
- DB tier
- WEB tier

NOTE: If APP and WEB are in same tier, then execute the ML 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” components of AAI are installed, and does not mean the physical web server/J2EE engine. APP tier would mean the box on which the “ficapp” components of AAI are installed.

3. Stop all the OFSSAI Services. For more information, see the *Start/Stop Infrastructure Services* section in [OFSSAI 7.3 Installation and Configuration Guide](#).
4. Assign WRITE permission to the files/ folders such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb in the **\$FIC_HOME** folder by executing the command:

```
chmod -R 775 *
```

In case of multi-tier installation, repeat this step on all tiers.

5. If you have Unzip utility, skip to the next step. 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 7.3.3.2.0 ML.
 - 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 unzip_<os>
```

For example, `chmod 751 unzip_sparc.Z`

6. Extract the contents of the 7.3.3.2.0 ML 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
```

```
OFSSAI_7.3.3.2.0_<OperatingSystem>_Oracle<Version>.zip
```

7. Give EXECUTE permission to the ML patch installer script. Navigate to the path `OFSSAI_7.3.3.2.0_<OperatingSystem>_Oracle<Version>` and execute the command:

```
chmod 755 OFSSAIUpdate.sh
```

8. Execute **OFSSAIUpdate.sh** file.

Verify if the ML is applied successfully by checking the log file generated in the same folder. You can ignore ORA-00001, ORA-02292, ORA-00955, and ORA-01430 errors in the log file. In case of any other errors, contact Oracle Support.

9. Refer to the additional configuration instructions explained in the [Additional Configuration](#) section to complete the installation of the ML.

10. Post successful installation of the ML, perform the following 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>
```

- **Websphere:**

```
<Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
```

11. Download the patch 7.3.3.2.1 for Bug 18021976. Install the patch by following the instructions in the Readme.txt packaged with it.
12. Download the patch 7.3.3.2.2 for Bug 18023559. Install the patch by following the instructions in the Readme.txt packaged with it.
13. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR/ WAR file, refer to the *Post Installation Configuration* section in [OFSSAI 7.3 Installation and Configuration Guide](#).
14. After successful installation of the ML, restart all the OFSSAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in [OFSSAI 7.3 Installation and Configuration Guide](#).

1.3 Additional Configuration

1.3.1 Property "Data File Name" in PR2 and RRF modules

In case the value for parameter "Data File Name" in the PR2/ RRF Process definitions is "blank", the patch installation log file states "Data File Name not specified for below processes in <Infodom_Name>". You need to take any one of the following actions as the case may be:

1. You need to edit the listed PROCESS definition(s) and specify a DATAFILENAME with <extension>. Process definition can be edited through the PR2 or RRF framework that you use.
2. If there is no explicit file name provided as mentioned above in PR2 or RRF module, you can provide this through a property "Data File Name" in File to Table (F2T) definition.
3. If no explicit file name is provided as mentioned in any of the above 2 cases, the system expects the sourced file name to be <F2T definition name>.dat (lower case extension) by default.

Note the following:

- Ensure that the flat file(s) is henceforth sourced in the same format. UNIX based systems preserve the case-sensitivity (Example: DAT and .dat are not the same).
- This is applicable only for new execution requests raised post installation of this patch.
- Update all the existing flat file extensions, present in the ftpshare/STAGE area before creating any new run requests.

If you are using RRF framework, execute the below queries on CONFIG schema where Run(s) / Rule(s) are defined.

- The below query would return the PROCESS names where the property DATAFILENAME is specified and currently blank. You need to edit the PROCESS definition(s) and specify a DATAFILENAME. For example, STG_FCT_EXPOSURES.DAT.



- The below query would return the RUN names where the property DATAFILENAME is used and currently blank. You need to edit the RUN definition(s) and specify a DATAFILENAME. For example, STG_FCT_EXPOSURES.DAT.



1.3.2 Stress Testing Framework Configuration

If you are using the Stress Testing Framework in the Advanced Analytics Infrastructure section, follow the below steps:

- Execute the below query in the Configuration Schema:

```
select prb.v_run_id from pr2_run_b prb where prb.v_seeded_by = 'AAI' and
prb.v_infodom_name = '<infodom>';
```

NOTE: Replace <infodom> with the required information domain name(s).

- Execute the below query in the corresponding Atomic Schemas:

```
update dim_run dr set dr.n_run_type_skey = 3 where dr.v_run_id in
('<VAL1>', '<VAL2>', '...');
```

NOTE: Replace the above place holders '<VAL1>', '<VAL2>' in the insert query with values from the select query result.

The list of existing atomic schemas can be retrieved from the DB_MASTER table present in the Configuration Schema by executing this command:

```
select dbuserid from db_master
```

1.3.3 Data Quality Framework Configuration

If you are using Data Quality framework, the Data Quality Definitions where Referential Integrity Check is used, need to be resaved from the front end.

The below query lists out all the DQ Rules where referential integrity is used. Execute the query for each information domain in its respective Atomic Schemas.



DQrules.sql

NOTE: The list of existing atomic schemas can be retrieved from the DB_MASTER table present in the Configuration Schema by executing this command:

```
select dbuserid from db_master
```



OFSAAI

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