Oracle Financial Services Analytical Applications Infrastructure

Installation & Configuration Guide

Version 7.3.4.1.0

ORACLE®

FINANCIAL SERVICES

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
Draft	April 2013	Created document to capture OFSAAI 7.3.4.1.0 Maintenance Level Release patch update procedure.
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Executive Summary

This document includes the necessary instructions to apply 7.3.4.1.0 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   OFSAAI Release 7.3.4.1.0

OFSAAI 7.3.4.1.0 Maintenance Level (ML) includes enhancements done since the previous release, that is 7.3.4.0.0 Interim Release (IR).

Conventions and Acronyms

Conventions	Description
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 should have **7.3.4.0.0 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 OFSAAI 7.3.4.0.0 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 18599501 under the *Patches & Updates* tab.

2. Download the 7.3.4.1.0 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 each tier 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 OFSAAI Services. For more information refer "Start/Stop Infrastructure Services" section in OFSAAI 7.3 Installation and Configuration Guide available at OTN library.

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 7.3.4.1.0 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 7.3.4.1.0 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 OFSAAI_7.3.4.1.0_<OperatingSystem>.zip
   > ```

7. Give EXECUTE permission to the ML patch. Navigate to the path *OFSAAI_7.3.4.1.0_ <OperatingSystem>* and execute the command:

   ```
   chmod 755 OFSAAIUpdate.sh
   ```

8. Execute **OFSAAIUpdate.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. 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 OFSAAI 7.3 Installation and Configuration Guide.

12. After successful installation of the ML, restart all the OFSAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in OFSAAI 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.

process.sql

- ▪ 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.

run.sql

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
```

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