

Oracle Financial Services Analytical Applications Infrastructure Installation & Configuration Guide

Release 7.3.2.2.0



DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
Draft	April 2013	Created document to capture OFSAAI 7.3.2.2.0 Maintenance Level Release patch update procedure.
1.0	June 2013	Updated the suggested review changes to Maintenance Level Release patch update process.
1.1	July 2013	Included "Time Balance type" property field correction details for specific Measure Hierarchies in page 8.
1.2	August 2013	Added a note as per Bug 17345541.
Created by: Anand / Aneesh	Reviewed by: Sapan / Lokesh	Approved by: Jeevraj / Surag Ramachandran / Kiran Kumar

Executive Summary

This document includes the necessary instructions to apply 7.3.2.2.0 Maintenance Level 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 7.3.2.2.0

This Maintenance Level Release (ML) of OFSAAI is cumulative and includes bug fixes and minor enhancements done since the previous releases, that is 7.3.2.0.0 Interim Release (IR) and 7.3.2.1.0 Maintenance Level Release (ML).

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

- OFSAAI **7.3.2.0.0 IR** or **7.3.2.1.0 ML** has to be successfully installed.
- If you are installing 7.3.2.2.0 ML on OFSAAI 7.3.2.0.0, execute the below query in CONFIG schema. If 7.3.2.1.0 ML is installed, ignore and proceed to next step.

```
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/space. These characters/space are removed as part of the ML release 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/space. 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 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 16900399 under the *Patches & Updates* tab.
2. Download the 7.3.2.2.0 ML archive file and copy it to your AAI server in **Binary** mode.

NOTE: The archive files are different for every operating system. That is for 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. 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. Navigate to **\$FIC_HOME** folder and execute the command **chmod -R 775 *** prior to applying the ML to ensure that all the files / folders (commonscripts, EXEWebService, ficapp, ficweb, and ficdb) under the **\$FIC_HOME** folder have write permissions assigned. In case of multi-tier installation, repeat this step on all tiers.
5. (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 7.3.2.2.0 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.

- 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`

6. Extract the contents of the 7.3.2.2.0 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 OFSAAI_7.3.2.2.0_<OperatingSystem>_Oracle<Version>.zip

7. Navigate to the path `OFSAAI_7.3.2.2.0_<OperatingSystem>_Oracle<Version>` and ensure that **OFSAAIUpdate.sh** file has Execute permission set. If not, 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 log file. If the log file states, “Data File Name not specified for below processes in <Infodom_Name>”, refer to the configuration instructions explained in [Additional Configuration](#) section. In case of any other errors, contact Oracle Support.

9. Perform the following post installation configurations:

- 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>/qaelce/jsp_servlet`

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

- This step is required if you are upgrading from OFSAAI 7.3.2.0.0. If you have installed OFSAAI 7.3.2.1.0 ML, ignore and proceed to next step.

The *Document Upload / Download* feature has undergone a change and to facilitate the same, you need to perform the following manual configuration.

- Manually create the following folders in the “local path” location of Web application server and provide **Read/Write** permission.
 - download
 - upload
 - TempDocument
 - Temp

To find the exact location, execute the below query in CONFIG schema:

select localpath from web_server_info

- Manually create “DocStorage” folder in FTPSHARE location of APP tier and provide **Read/Write** permission. To find the exact location, execute the below query in CONFIG schema:

select ftpdrive from app_server_info

- If you are upgrading from OFSAAI 7.3.2.0.0, ensure that alphanumeric codes are populated in numeric dimension members. Else, the members with null alphanumeric codes are not displayed in *Dimension Management > Members Summary* screen.

Due to Bug 15956177 (resolved in 7.3.2.1.0 ML), for numeric dimensions, if the members were created through the UI (and the numeric code is entered manually instead of using **Generate Code** button), members could have “null” alphanumeric code values. Therefore, for those members you need to copy the numeric code values to the alphanumeric code column (<DIM>_CODE) through an update query.

Example: For the General Ledger Account dimension:

```
Update DIM_GENERAL_LEDGER_B
set GL_Account_Code = GL_Account_ID
where GL_Account_Code is null;

Commit;
```

- 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 *Post Installation Configuration* section in [OFSAAI 7.3 Installation and Configuration Guide](#) available at OTN library.

Note that, the parameter "DOCUMENT_SERVICE_TYPE_EXTERNAL" value is set to **FALSE** in the Configuration table in CONFIG schema. The application "ExeWebService" will not be used if this value is FALSE. It is recommended the value be set to FALSE and use the "Internal" service for document upload/downloads. If you intend to continue using the "External" ExeWebService, set the value to **TRUE**.

You will then require to navigate to `$FIC_HOME/EXEWebService/<WEBSERVER_TYPE>` directory of WEB tier and enter `.ant.sh`. This triggers the creation of EAR/WAR file `EXEWebService.ear/.war`. The EAR/WAR file `EXEWebService.ear/.war` will be created in `$FIC_HOME/EXEWebService/<WEBSERVER_TYPE>` directory of WEB tier. Redeploy the generated EAR/WAR file onto your configured web application server.

10. Once the ML has been installed successfully, restart 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.

Note the following:

- If you are installing language pack post installation of OFSAAI 7.3.2.3.0 ML, you should run `$FIC_HOME/MLS_ofsai/MLS_ofsai.sh`. This is to alter the Messages Tables structure and insert all the latest messages in the Messages table.
- The `X_ARGS_APP` variable in the `.profile` file used to specify customized Java Memory Settings, have been altered in 7.3.2.2.0 ML for *JVM parameter -XX:ParallelGCThreads=32*. The installer validates and removes this parameter if `-XX:ParallelGCThreads` is set to **"32"**. In case, there is any value other than "32", you need to remove it manually post 7.3.2.2.0 ML installation.
- Post installation of 7.3.2.2.0 ML, some of the existing "Measure Hierarchies" in *Business Hierarchy > Node Values* screen wrongly displays the *Time Balance type* field in Node Attributes grid as **None**. This is because the *Time Balance type* value stored for those Measure Hierarchies in the `REV_BIHIER` table within the atomic schema is incorrect. (Ref. Bug 16413488).

You need to select the appropriate value for *Time Balance Type* and then resave those specific Measure Hierarchies, to retain the Time Balancing property.

To know about the Forms Framework enhancements configuration introduced in this release, refer to [OFSAAI Administration Guide](#) available at OTN library.

1.2.1 Additional Configuration

This step is required if you are upgrading from OFSAAI 7.3.2.0.0. If you have installed the one-off patch 7.3.2.1.3, ignore these steps.

If the installation log file states, “**Data File Name not specified for below processes in <Infodom_Name>**”, this is because “null” value is passed as default in “Data File Name” parameter in F2T instead of filename.dat. (Bug Ref: 16449264)

User has to provide the filename explicitly through PR2 or RRF during the Process and/or Run definition or through a property in File to Table definition. If there are existing definitions where these are not explicitly provided, follow the steps based on PR2 or RRF mentioned below:

- [PR2 module \(Process Run Rule Framework\)](#)
- [RRF module \(Run Rule Framework\)](#)

1.2.1.1 PR2 module (Process Run Rule Framework)

The patch install log file will list those PROCESS names that have DATAFILENAME parameter value as blank. You need to edit the PROCESS definition(s) and specify a DATAFILENAME. For example, STG_FCT_EXPOSURES.DAT. (Ensure the file extension is in CAPS).

If there is no explicit filename provided as mentioned above in PR2 or RRF, you can provide this through a property in File to Table definition (F2T).

If no explicit filename is provided, the system expects the sourced filename 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 (i.e. **DAT** and **.dat** are not the same).
- This is applicable only for new execution requests raised post 7.3.2.2.0 ML.
- Update all the existing flat file extensions, present in the ftpshare/STAGE area before creating any new run requests.

1.2.1.2 RRF module (Run Rule Framework)

1. Execute the below query on CONFIG schema where Run(s) / Rule(s) are defined. This 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.

```
select ppb.v_infodom_name,  
       ppb.v_process_name,  
       ppb.n_process_version,
```

```
ppb.f_active_flag,  
ppt.v_task_ref_unique_name,  
pptp.v_task_parameter_name,  
pptp.v_task_parameter_value  
from pr2_process_b ppb  
join pr2_process_task ppt on ppt.v_infodom_name = ppb.v_infodom_name  
and ppt.v_process_id = ppb.v_process_id  
and ppt.v_task_type_code = 'F2T'  
join pr2_process_task_parameter pptp on pptp.v_infodom_name =  
ppt.v_infodom_name  
and pptp.v_process_id =  
ppt.v_process_id  
and pptp.n_task_id = ppt.n_task_id  
and pptp.v_task_parameter_name =  
'Data File Name'  
and UPPER(coalesce(trim(pptp.v_task_parameter_value),'NULL')) = 'NULL'
```

2. Execute the below query on CONFIG schema where Run(s) / Rule(s) are defined. This 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.

```
select prb.v_infodom_name,  
prb.v_run_name,  
prb.n_run_version,  
prb.f_active_flag,  
pro.v_task_ref_unique_name,  
prop.v_object_parameter_name,  
prop.v_object_parameter_value  
from pr2_run_b prb  
join pr2_run_object pro on pro.v_infodom_name = prb.v_infodom_name  
and pro.v_run_id = prb.v_run_id  
and pro.v_task_type_code = 'F2T'  
join pr2_run_object_parameter prop on prop.v_infodom_name =
```

```
pro.v_infodom_name  
and prop.v_run_id = pro.v_run_id  
and prop.v_task_ref_unique_name =  
pro.v_task_ref_unique_name  
and prop.v_object_parameter_name =  
'Data File Name'  
and UPPER(coalesce(trim(prop.v_object_parameter_value), 'NULL')) = 'NULL'
```



OFSAAI

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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/financial_services/

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