

Oracle Financial Services Capital Adequacy Pack

Installation and Configuration Guide

Release 8.0.7.2.0

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Oracle Financial Services Capital Adequacy Pack

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Document Control

| Version Number | Revision Date | Change Log |
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| 01 | August 2022 | Updated the IG for 8.0.7.2.0 ML release. |

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1 OFS CAP Release 8.0.7.2.0

OFS CAP 8.0.7.2.0 Maintenance Level (ML) includes the upgrade from Java 7 to Java 8 compiler..

1.1 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 |
| OFSCAP | Oracle Financial Services Capital Adequacy Pack |
| 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. |

1.2 Pre Installation Requirements

- Ensure that you have OFS CAP version 8.0.7.0.0 as the minimum patch set level.
- If runs are already executed in the setup, then following steps needs to be followed:
 - In config schema, take back up of tables PR2_RULE_QUERY, PR2_RUN_EXECUTION_FILTER and PR2_RUN_EXECUTION_B.
 - Truncate the tables in following order: PR2_RULE_QUERY, PR2_RUN_EXECUTION_FILTER, PR2_RUN_EXECUTION_B.
- Enable unlimited cryptographic policy. By default, JCE Policy JAR files are available for the Java versions mentioned in the following link and for later versions:

https://bugs.java.com/view_bug.do?bug_id=JDK-8170157

For Java versions, where unlimited cryptographic policy is not enabled by default, perform the following steps:

Download the JCE Policy related JARs `local_policy.jar` and `US_export_policy.jar`.

- For Oracle Java, download it from <http://www.oracle.com/technetwork/java/javase/downloads/jce-7-download-432124.html> .
- For IBM Java, download it from <https://www14.software.ibm.com/webapp/iwm/web/preLogin.do?source=jcesdk> .
- Copy (or replace) the downloaded JCE Policy related JARs `local_policy.jar` and `US_export_policy.jar` in to the `/jre/lib/security` folder of Java installation directory used for OFSAAI and the Web Application Servers.

NOTE To upgrade Java 7 in an existing OFSAA 8.0.7.x.x instance to Java 8, see Appendix P in the Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide.

1.3 How to Apply this Maintenance Level (ML) Release?

Refer to the following instructions to install this patch set.

1. Login to <https://support.oracle.com/> and search for 34512949 under the Patches & Updates tab.
2. Download the OFSAA 8.0.7.0.0 CAP ML RELEASE #2 (8.0.7.2.0) archive file and copy it to your OFSAA server in **Binary** mode.

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

3. Stop all the OFSAAI Services. For more information, refer to the Starting/Stopping Infrastructure Services section in [Oracle Financial Services Capital Adequacy Pack Installation Guide – Release 8.0.7.0.0](#).
4. Login to the OFSAA server as a non-root user and navigate to the **\$FIC_HOME** folder.
5. 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 *
```

6. If you have Unzip utility, skip to the next step. Download an 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 OFSCAP 8.0.7.2.0 application pack.

- Uncompress the unzip installer file using the command:

```
uncompress <unzip utility filename>
```

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

- Execute the following command to provide EXECUTE permission to the application pack file:

```
chmod 751 p34332873_80000_<OperatingSystem>.zip
```

7. Extract the contents of the 8.0.7.2.0 ML archive file using either of the following commands:

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

OR

```
unzip -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 p29823983_80000_<OperatingSystem>.zip`.

8. Update the UPLOAD_MODEL, MODEL_TYPE, DATAMODEL, and DM_DIRECTORY parameters in params.conf file present in OFS_CAP_ADQ_PACK/OFS_CAP_ADQ/conf/ location as detailed in the file.

NOTE If you are installing CAP 8.0.7.2 from version 8.0.7.0.0 only then run the following pre-installation scripts:

- Execute the applicable statements in the following script in CONFIG schema after updating the values of placeholders as detailed in the file for segment creation [BASEL_OFSAA_SETUP_APPLN_DTLS.sql](#).
- Execute the script [UPDATE_FSI_RW_MAP_MASTER.sql](#) in atomic schema and commit the changes.

9. Give EXECUTE permission to the ML patch installer script. Navigate to the folder OFS_CAP_ADQ_PACK and execute the command:

```
chmod 755 OFSAAIUpdate.sh
```

10. Execute OFSAAIUpdate.sh file.

```
./OFSAAIUpdate.sh
```

11. Verify if the ML is applied successfully by checking the log file generated in ./logs and ./OFS_CAP_ADQ/logs folder. You can ignore ORA-00001 in the log file.

12. In case of any other errors, contact Oracle Support Services.

13. After successful installation of OFSCAP 8.0.7.2.0 application, 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>  
/qaelce/jsp_servlet
```
 - **WebSphere:**

```
<WebSphere installation directory>/AppServer/profiles/ <Profile  
name>/temp/<Node name>/server1/<Application name>/<.war file  
name>
```
- 14. Restore the backup of PR2_RULE_QUERY, PR2_RUN_EXECUTION_FILTER and PR2_RUN_EXECUTION_B, if required for already run execution audit.
- 15. Take a backup and delete the existing EAR/WAR file available in the folder \$FIC_HOME/ficweb.
- 16. 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 [Oracle Financial Services Capital Adequacy Pack Installation Guide – Release 8.0.7.0.0](#).
- 17. Restart all the OFSAAI services. For more information, refer to the Starting/Stopping Infrastructure Services section in [Oracle Financial Services Capital Adequacy Pack Installation Guide – Release 8.0.7.0.0](#).

NOTE

To successfully complete the Basel analytics tasks, create and refresh the DE or Materialized views manually. Refer to the following procedures to execute the DE's manually:

- FN_PRE_REP_POP_MV_REF
- FN_MV_INCREM_REFRESH

After installing CAP, execute the DM changes using the [OFS CAP ADQ Data Model Changes](#) table.

Also, execute the following statements that are outside the DM:

- ALTER TABLE TMP_OPTIMIZER_PROCESSING ADD F_DRAWN_UNDRAWN_IND CHAR(1);
- ALTER TABLE FSI_INCURRED_CVA_LOSS_CALC ADD N_BASEL_PARTY_RATING NUMBER(5);

2 Additional Configurations

2.1 Configuring Tomcat for User Group Authorization, Data Mapping, and Disabling WADL for the Web Service

Users with system authorization roles can access User Group Authorization. However, to make it available on Tomcat web server, you have to perform the following configuration steps:

1. Navigate to the `$FIC_WEB_HOME/webroot/WEB-INF/` folder and open `web.xml` file.
2. Enter the following in the `web.xml` file.

```
<init-param>
<param-name>mappedfile</param-name>
<param-value>>false</param-value>
</init-param>
```

3. To disable the WADL for the Web Service, navigate to the following snippet in the `web.xml` file.

```
<servlet>
<servlet-name>CommonRETServlet</servlet-name>
<servlet-class>org.glassfish.jersey.servlet.ServletContainer</servlet-
class>
<init-param>
<param-name>javax.ws.rs.Application</param-name>
<param-
value>com.ofs.fsapps.commonapps.util.ApplicationResourceConfig</param-
value>
</init-param>
<load-on-startup>1</load-on-startup>
</servlet>
```

4. Add the following snippet before the `<load-on-startup>1</load-on-startup>` attribute.

```
<init-param>
<param-name>jersey.config.server.wadl.disableWadl</param-name>
<param-value>>true</param-value>
</init-param>
```

5. Save and close the file.

OFSAAI Support Contact Details

- Contact Infrastructure support at <https://flexsupp.oracle.com> if you have installed ERM and FCCM applications.
- Raise an SR in <https://support.oracle.com> if you have any queries related to EPM applications.

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