

# Oracle Financial Services Capital Adequacy Pack

## Installation and Configuration Guide

Release 8.0.7.3.0

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## Oracle Financial Services Capital Adequacy Pack

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# Document Control

Version Number	Revision Date	Change Log
01	April 2023	Added the pre-installation updates for 8.0.7.3.0 ML release.

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# 1 OFS CAP Release 8.0.7.3.0

OFS CAP 8.0.7.3.0 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 8.0.7.2.0 as the minimum patch set level.
- Apply the AAI patches 35113863, and 35134107.
- Ensure that you take a backup of the AAI\_APP\_B and AAI\_APP\_PACK\_B tables before running the update.
- Run the following updates in the config schema:
  - UPDATE AAI\_APP\_B SET V\_VERSION='8.0.7.2.0' WHERE V\_APP\_ID IN ('OFS\_OREC', 'OFS\_ECA', 'OFS\_BASEL\_IRB', 'OFS\_BASEL\_BASIC', 'OFS\_BASELA');
  - UPDATE AAI\_APP\_PACK\_B SET V\_VERSION='8.0.7.2.0' WHERE V\_APP\_PACK\_ID IN ('OFS\_CAP\_ADQ\_PACK');
- If runs are already executed in the setup, then run the following steps:
  - 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](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 **35129596** under the Patches & Updates tab.
2. Download the OFSAA 8.0.7.3.0 CAP ML RELEASE #3 (8.0.7.3.0) archive file and copy it to your OFSAA server in **Binary** mode.

**NOTE** There are different archive files for different operating systems such as 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 8.0.7.3.0 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.

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

```
chmod 751 p35129596_80000_<OperatingSystem>.zip
```

8. Extract the contents of the 8.0.7.3.0 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.

9. 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** Set the upload model value to 0, since there is no DM change for this Maintenance Level release.

10. 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
```

11. Execute OFSAAIUpdate.sh file.

```
./OFSAAIUpdate.sh
```

12. 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.

13. In case of any other errors, contact Oracle Support Services.
14. After successful installation of OFSCAP 8.0.7.3.0 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>
```
15. Restore the backup of PR2\_RULE\_QUERY, PR2\_RUN\_EXECUTION\_FILTER and PR2\_RUN\_EXECUTION\_B, if required for already run execution audit.
16. Take a backup and delete the existing EAR/WAR file available in the folder \$FIC\_HOME/ficweb.
17. 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](#).
18. 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](#).



## 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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