

# **Oracle Financial Services Capital Adequacy Pack**

## **Installation and Configuration Guide**

**Release 8.0.7.1.0**

**June 2022**



## Oracle Financial Services Capital Adequacy Pack

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## Document Control

Version Number	Revision Date	Change Log
01	May 2019	IG created
02	June 2022	Updated the IG for Configuring Tomcat for User Group Authorization, Data Mapping, and Disabling WADL for the Web Service.

# Table of Contents

- 1 OFS CAP Release 8.0.7.1.0.....5**
  - 1.1 Conventions and Acronyms ..... 5
  - 1.2 Pre Installation Requirements ..... 6
  - 1.3 How to Apply this Maintenance Level (ML) Release? ..... 6
- 2 Additional Configurations .....9**
  - 2.1 Configuring Tomcat for User Group Authorization, Data Mapping, and Disabling WADL for the Web Service  
9

# 1 OFS CAP Release 8.0.7.1.0

OFS CAP 8.0.7.1.0 Maintenance Level (ML) includes all the bug fixes and minor enhancements done since the previous GA (General Availability) release, that is, 8.0.7.0.0.

## 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

- You should 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](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.

## 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 29823983 under the Patches & Updates tab.
2. Download the OFSAA 8.0.7.0.0 CAP ML RELEASE #1 (8.0.7.1.0) 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. Log in to [My Oracle Support](#), search for the **33663417** Mandatory Patch in the **Patches & Updates** Tab and download it.

**ATTENTION** On the 10th of December 2021, Oracle released Security Alert CVE-2021-44228 in response to the disclosure of a new vulnerability affecting Apache Log4J prior to version 2.15. The application of the **33663417** Mandatory Patch fixes the issue.

For details, see the My Oracle Support Doc ID [2827801.1](#).

5. Login to the OFSAA server as a non-root user and navigate to the **\$FIC\_HOME** folder.

6. 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 *
```

7. 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 8.0.7.1.0 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 p29823983_80000_<OperatingSystem>.zip
```

8. Extract the contents of the 8.0.7.1.0 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`.

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.

10. 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.

11. 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
```

12. Execute **OFSAAIUpdate.sh** file.

```
./OFSAAIUpdate.sh
```

13. 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.

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

15. After successful installation of OFSCAP 8.0.7.1.0 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>
```

16. Restore the backup of PR2\_RULE\_QUERY, PR2\_RUN\_EXECUTION\_FILTER and PR2\_RUN\_EXECUTION\_B, if required for already run execution audit.
17. Take a backup and delete the existing EAR/WAR file available in the folder \$FIC\_HOME/ficweb.
18. Apply the **33663417** Mandatory Patch.  
See the Readme that is packaged with the patch for further instructions on how to install and apply it.
19. 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](#).
20. 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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