

Oracle Financial Services Capital Adequacy Application Pack

Installation Guide

Release 8.1.0.1.0

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ORACLE
Financial Services

OFS Capital Adequacy Application Pack Installation Guide

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Document Control

Version Number	Revision Date	Change Log
01	October 2020	Created the document for the OFS CAP 8.1.0.1.0 release.
02	May 2022	Added Configuring Tomcat for User Group Authorization, Data Mapping, and Disabling WADL for the Web Service section.

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1 Preface

This section provides supporting information for the Oracle Financial Services Capital Adequacy (OFS CAP) Installation Guide.

You can find the latest copy of this document in the [OHC Documentation Library](#) which includes all the recent additions or revisions (if any) done to date.

Before you begin the installation, ensure that you have access to [Oracle Support](#) with the required login credentials to quickly notify us of any issue at any stage.

1.1 Audience

Oracle Financial Services Capital Adequacy (OFS CAP) Applications Pack Installation Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

1.1.1 Prerequisites for the Audience

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following is recommended.

The following are the expected preparations from the administrator before starting the actual installation:

- Oracle Financial Services Advanced Analytical Applications Infrastructure pack components
- OFSAA architecture
- UNIX commands
- Database concepts
- Web server or web application server
- Oracle Data Integrator

1.2 Related Documents

We strive to keep this and all other related documents updated regularly; visit the [OHC Documentation Library](#) to download the latest version available there. The list of related documents is provided here:

- [OHC Documentation Library](#) for the **OFS Capital Adequacy Application Pack:**
 - *OFS Basel Regulatory Compliance User Guide*
 - *OFS Basel Regulatory Analytics User Guide*
 - *OFS Basel Regulatory Capital Adequacy Admin Guide*
 - *OFS Capital Adequacy Security Guide*
 - *OFS Capital Adequacy Cloning Guide*

- [OHC Documentation Library](#) for the **OFS AAI Application Pack**:
 - *OFS Advanced Analytical Applications Infrastructure (OFS AAI) Application Pack Installation and Configuration Guide*
 - *OFS Analytical Applications Infrastructure User Guide*
 - *OFS Analytical Applications Infrastructure Administration Guide*
 - *OFS Analytical Applications Infrastructure Environment Check Utility Guide*
- **Additional documents:**
 - [OFSAA Licensing User Manual, Release 8.1.0.0.0](#)
 - [OFS Analytical Applications Infrastructure Security Guide](#)
 - [OFSAAI FAQ Document](#)
 - [OFS Analytical Applications 8.1.0.0.0 Technology Matrix](#)
 - [OFS Analytical Applications Infrastructure Cloning Guide](#)

1.3 Conventions and Acronyms

Conventions	Description
Actions are indicated in Bold .	
Command or query is indicated in <code>Courier New</code> font.	
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
OFSCAP	Oracle Financial Services Capital Adequacy Pack
RHEL	Red Hat Enterprise Linux
IR	Minor Release
ML	Maintenance Level
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.

2 OFS CAP Application Pack Release 8.1.0.1.0

This Maintenance Level (ML) Release of OFS CAP Application Pack includes all enhancements and bug fixes since the OFS CAP Application Pack v8.1.0.0.0 Major release.

2.1 Pre-Installation Requirements

The pre-installation requirements are as follows:

- The minimum patch set level must be OFS CAP Application Pack v8.1.0.0.0.

NOTE See the [OFS Analytical Applications Technology Matrix](#), for hardware and software requirements.

- Take a backup and truncate the RATING_SRC_TYPE_MASTER table in the atomic schema.

NOTE This step is applicable if version 8.1.0.0.0 is an upgrade installation and when the RATING_SRC_TYPE_MASTER table is present in the schema.

2.2 Installing OFS CAP 8.1.0.1.0 ML Release

Perform the following instructions to download, extract, install, and configure this ML Release.

To install this release, follow these steps:

1. Log in to [My Oracle Support](#), and search for patch ID **32056601** under the **Patches and Updates** tab.
2. Download the **OFSCAP 8.1.0.0.0 ML RELEASE #1 (8.1.0.1.0)** archive file and copy it to your OFSAA server in Binary mode.

NOTE The archive files are different for every operating system like Solaris, and RHEL or Oracle Linux.

3. Shut down all the OFSAAI Services. For more information, see the [Stop Infrastructure Services](#).
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](#).

Ensure that you reapply the 33663417 Mandatory Patch whenever you install or upgrade the application, or apply an incremental patch.

5. Login to the OFSAA server with the user credentials that were used to install OFS CAP.
6. Extract the contents of the OFS CAP Application Pack v8.1.0.1.0 installer archive in the Download Directory using the following command:

```
unzip -a p32056601_81000_<OperatingSystem>.zip
```

NOTE

Rename or remove the existing OFSAA Application Pack folder from the OFSAA server before extracting the contents from the release archive (.zip). For example: For this release, when extracted from the archive, a folder with the name `OFS_CAP_ADQ_PACK` is created. If a folder with the same name already exists in the path where the release archive is copied, rename or remove that folder. If not renamed or removed, the extracted contents will be overwritten or merged into the existing folder.

7. Update the `UPLOAD_MODEL`, `MODEL_TYPE`, `DATAMODEL`, and `DM_DIRECTORY` parameters in the `params.conf` file present in `OFS_CAP_ADQ_PACK/appsLibConfig/conf/` directory as detailed in the file.

NOTE

There is `DATAMODEL` associated with this release.

Update `UPLOAD_MODEL = 1` if the `DATAMODEL` has to be uploaded during the installation.

If the `DATAMODEL` is already uploaded before installation, update `UPLOAD_MODEL = 0`.

8. Navigate to the path where the installer archive is extracted, and grant `EXECUTE` permission to the installer file using the following command:

```
chmod 750 OFSAAIUpdate.sh
```

9. Execute the following software upgrade command:

```
./OFSAAIUpdate.sh
```

10. Verify that the ML release is applied successfully by checking the log files generated in the following installation directories:

- AAI log: `OFS_CAP_ADQ_PACK/logs`
- IRB log: `OFS_CAP_ADQ_PACK/OFS_BASEL_IRB/logs`

- BASIC log: OFS_CAP_ADQ_PACK/OFS_BASEL_BASIC/logs

11. In case of any error in the log file, contact [My Oracle Support](#).

2.2.1 Post Installation Steps

After a successful installation, perform these steps:

1. Clear the application cache. Navigate to the following path depending on the configured web application server and delete the files:
 - **Tomcat**

```
<Tomcat installation directory>/work/Catalina/localhost/<Application name>/org/apache/jsp
```
 - **WebLogic**

```
<Weblogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/_WL_user/<Application name>/<auto generated folder>/jsp_servlet
```
 - **WebSphere**

```
<Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
```
2. Apply the **33663417** Mandatory Patch.

See the Readme that is packaged with the patch for further instructions on how to install and apply it.
3. Generate the application EAR or WAR file and redeploy the application onto your configured web application server. For more information, see [Create and Deploy the EAR or WAR Files](#).
4. Start all the OFSAAI services. For more information, see [Start](#) the Web Application Servers.

2.3 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.

OFSAA Support

Raise a Service Request (SR) in [My Oracle Support \(MOS\)](#) for queries related to the OFSAA applications.

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- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
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