

OFS Credit Risk Analytics

Installation Guide



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Contents

1	Preface	
1.1	Audience	1
1.1.1	Prerequisites for the Audience	1
1.2	Access to Oracle Support	1
1.3	Related Documents	2
1.4	Conventions and Acronyms	2
2	OFS CRA Release 8.1.2.10.0	
2.1	Pre-installation Requirements	1
2.1.1	Installing this Maintenance Level Release	1
2.1.1.1	Configuring Tomcat for User Group Authorization, Data Mapping, and Disabling WADL for the Web Service	4
3	Appendix A: Frequently Asked Questions	

1

Preface

Instructions to install the Oracle Financial Services Credit Risk Analytics Application Pack 8.1.2.10.0 Maintenance Release.

This document provides step-by-step instructions to install the Oracle Financial Services Credit Risk Analytics (OFS CRA) Application Pack 8.1.2.10.0 release.

This chapter discusses the following topics:

- Audience
- Access to Oracle Support
- Related Documents
- Conventions and Acronymss

1.1 Audience

Audience Description

The OFS CRA Application 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

Mentions the prerequisites for the audience.

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

- Oracle Financial Services Credit Risk Analytics Application Pack Components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server or Web Application Server

1.2 Access to Oracle Support

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support (MOS).

For information, visit:

- <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info>
- <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs>

if you are hearing impaired.

1.3 Related Documents

List of Related Documents

See the below OFS Credit Risk Analytics Applications Pack documents available on [OHC Documentation Library](#):

- Oracle Financial Services Credit Risk Analytics User Guide
- Oracle Financial Services Credit Risk Analytics Release Notes
- Oracle Financial Services Credit Risk Analytics Cloning Guide
- Oracle Financial Services Credit Risk Analytics Security Guide

1.4 Conventions and Acronyms

Conventions and Acronyms in this document

The following table lists the Conventions and Acronyms used in this document.

Table 1-1 Conventions and Acronyms

Conventions	Acronyms
Screen actions are indicated in Bold	
IR	Interim Release
ML	Maintenance Level Release
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS CRA	Oracle Financial Services Credit Risk Analytics
OHC	Oracle Help Center
AIX	Advanced Interactive eXecutive
RHEL	Red Hat Enterprise Linux
OEL	Oracle Enterprise Linux
OS	Operating System
EAR or WAR	Enterprise Archive or 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.

2

OFS CRA Release 8.1.2.10.0

The OFS CRA Maintenance Level (ML) release 8.1.2.10.0 is cumulative and includes all bug fixes and enhancements from previous ML releases.

You can install CRA release 8.1.2.10.0 in either of the following ways:

- Directly on top of the OFSAA v8.1.2.0.0 Application Pack.
- On top of the CRA version from any previous ML release.

2.1 Pre-installation Requirements

About the pre-installation requirements. The prerequisites are as follows:

- Ensure that you have OFS CRA version 8.1.2.0.0 as the set level.
- For OFS CRA version 8.1.2.9.0, the Erwin patch is not required. For all other versions, apply the Erwin patch before upgrading to CRA 8.1.2.10.0.
- Login to My Oracle Support (MOS) [My Oracle Support](#), download and install the CERTIFICATION OF ERWIN 14.1 (ID **37876070**) before installing the CRA ML.

Note

OFSAA Application Minor releases out of the box (OOB) data models use the latest erwin Data Modeler version. The new erwin Data Modeler version supported is 2021 R1.

2.1.1 Installing this Maintenance Level Release

Steps to install the Maintenance Level Release

To install this ML Release, follow these steps:

1. Login to My Oracle Support (MOS) and search for **38352841** under the **Patches & Updates** tab. See the note in the Pre-installation Requirements section for details related to Data Model Patch for this release.

Note

Download the OFS CRA 8.1.2.10.0 erwin data model patch **38472398** from My Oracle Support. You can search for the patch number and download the patch from the **Patches and Updates** tab.

2. Download the OFS_CRA_8.1.2.10.0_LINUX.zip 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 or Oracle Linux.

3. Stop all the OFSAAI Services. For more information, see the *Stop The Infrastructure Services* section in the *Oracle Financial Services Analytical Applications Infrastructure Installation Guide 8.1.2.0.0*.
4. Login to the OFSAA Server as a non-root user, navigate to the \$FIC_HOME directory, and execute the command: `chmod -R 775 *`
5. If you have Unzip utility, skip to the next step, else download the 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 8.1.2.9.0 ML. Uncompress the unzip installer file using the command:

```
uncompress unzip_<os>.Z
```

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.

6. Extract the contents of the 8.1.2.10.0 ML archive file using either of the following commands:

```
unzip <name of the file to be unzipped>
```

Note

In case of a fresh installation of OFS CRA Release version 8.1.2.10.0, navigate to the path `/OFS_CRA_PACK/DataModel` and replace the old Data Model XML file (`OFS_CRA_Datamodel.xml`) with the latest one provided in the patch **38472398**.

7. Update the configuration file `params.conf` file before triggering the installation. The file `params.conf` is available in the directory: `OFS_CRA_PACK/appsLibConfig/conf`. Following are the input parameters for `params.conf` file: `UPLOAD_MODEL= 1` and `MODEL_TYPE= 0`
8. Give EXECUTE permission to the ML patch installer script. Navigate to the `OFS_CRA_PACK` directory and execute the command:

```
chmod 755 OFSAAIUpdate.sh
```
9. Execute the following install command:

```
./OFSAAIUpdate.sh
```
10. Verify if the ML is applied successfully by checking the log files generated in the `OFS_CRA_PACK/OFS_CRA/logs` directories. You can ignore the `ORA-00001` and `ORA-02292` errors in the log file. In case of any other errors, contact My Oracle Support (MOS).

Note

See the [OFS Analytical Applications Technology Matrix](#) for a list of supported servers for OFS CRA 8.1.2.0.0.

11. After successful installation of the ML, perform the following steps:
 - Clear the Application Cache. Navigate to the following directory 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>
 - **WebSphere:** <WebSphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
 - Deploy the RPD and Web Catalog file(s)
 - Take a backup of deployed CRMBI.rpd and CRMBI.catalog files from the OBIEE environment.
 - Navigate to the \$FIC_HOME/OFS_CRA_DASHBOARDS/12.2.1.4.0/datamodel directory which contains the CRMBI.rpd file and the \$FIC_HOME/OFS_CRA_DASHBOARDS/12.2.1.4.0/content/catalog directory which contains the CRMBI.catalog file. Deploy both the files into OBIEE deployment area.
 - Modify the connection pool and set the properties.
 - Any customization performed on the older RPD and Web Catalog files requires to be manually carried over to the newer ones post-deployment.
 - Clear OBIEE Cache, if enabled.
 - For more information on deploying RPD and Web Catalog files, see *Deploying the application* section in *Oracle Financial Services Credit Risk Analytics Installation Guide 8.1.2.0.0*.
12. Delete the existing EAR or WAR file available in the folder \$FIC_HOME/ficweb.
13. Add umask 0027 in the .profile of the UNIX account which manages web server to ensure restricted access permissions.
14. Navigate to the web component deployed area. If you are deploying on a fresh environment, then delete the generated .war file. If you are installing in an existing environment, then delete the generated .war file and the folder created along with it.
15. Generate the application EAR or WAR file and redeploy the application onto your configured Web Application Server. For more information on generating and deploying the EAR or WAR file, see the Post Installation Configurations section in the Oracle Financial Services Credit_Risk_Analytics Installation Guide 8.1.2.0.0.
16. Restart all the OFSAI Services. For more information, see the *Starting Infrastructure Services* section in the *Oracle Financial Services Credit Risk Analytics Installation Guide 8.1.2.0.0*.

Note

If CRA is installed before the Data Governance Service, perform the following steps after completing the DGS installation:

- a. Navigate to the directory: `OFS_CRA_PACK/OFS_CRA/bin/scripts/atomic/insert`.
- b. Execute the following SQL scripts:
 - `CRA_FSI_DE_POP_DS_ALIAS_JOINS.sql`
 - `CRA_FSI_DE_TABLE_APPLICATION_MAP.sql`
 - `CRA_MDR_FSI_DE_POP_DT_DATA_FLOW_MAP.sql`
 - `CRA_FSI_DE_POP_DS_ALIAS_FLOW_MAP.sql`
 - `CRA_MDR_Lineage_seeded_data.sql`

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

Configuring Tomcat for User Group Authorization

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.

3

Appendix A: Frequently Asked Questions

Frequently Asked Questions

What checks does the Release patch perform?

Environment Check- As part of the environment check, it performs Java validation, Environment Variables validation, OS-specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).

Post Install Check- As part of Post-install check, it checks if OFSAAI Services can be successfully started.

Which version of erwin Data Modeler does OFS CRA support?

OFS CRA version 8.1.2.0.0 supports erwin v9.8.