

OFS Credit Risk Analytics

OFS Credit Risk Analytics Installation Guide



Release 8.1.2.8.0

G24817-01

January 2025

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Copyright © 2000, 2025, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

1	Preface	
<hr/>		
1.1	Audience	1-1
1.1.1	Prerequisites for the Audience	1-1
1.2	Access to Oracle Support	1-1
1.3	Related Documents	1-2
1.4	Conventions and Acronyms	1-2
2	OFS CRA Release 8.1.2.8.0	
<hr/>		
2.1	Pre-installation Requirements	2-1
2.1.1	Installing this Maintenance Level Release	2-1
2.1.1.1	Configuring Tomcat for User Group Authorization, Data Mapping, and Disabling WADL for the Web Service	2-3
3	Appendix A: Frequently Asked Questions	
<hr/>		

1

Preface

Instructions to install the Oracle Financial Services Credit Risk Analytics Application Pack 8.1.2.8.0 Maintenance Release.

This document provides step-by-step instructions to install the Oracle Financial Services Credit Risk Analytics (OFS CRA) Application Pack 8.1.2.8.0 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 8.1.2.8.0

About the OFS CRA Release 8.1.2.8.0

OFS CRA 8.1.2.8.0 Maintenance release includes all the bug fixes and minor enhancements done since the Maintenance Level release, version 8.1.2.7.0. You can install this ML release of OFS CRA on a setup with any OFSAA v8.1.2.0.0 Application Pack.

2.1 Pre-installation Requirements

About the pre-installation requirements.

The prerequisites are as follows:

- Ensure that you have OFS CRA version 8.1.2.7.0 as the minimum patch set level.

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 **37304375** 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 8.1.2.8.0 erwin data model patch **37304431** 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_8.1.2.8.0_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 8.1.2.8.0 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 8.1.2.8.0 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 8.1.2.8.0, 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 **37304431**.

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.

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.oft.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.