

Oracle Financial Services
Compliance Regulatory Reporting
Installation Guide
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ORACLE®
Financial Services

Oracle Financial Services Compliance Regulatory Reporting Installation Guide.

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Document Control

Table 1: Document Control

Version Number	Revision Date	Change Log
1.0	January 2021	This is the first publication of this guide.

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1 About This Guide

Oracle Financial Services Compliance Regulatory Reporting (OFS CRR) 8.1.1.0 Installation Guide provides step by step instructions to install the OFS CRR 8.1.1.0 Maintenance Level (ML) release.

The OFS CRR 8.1.1.0 ML release includes all the bug fixes and minor enhancements done since the GA (General Availability) release, 8.1.1.0.0.

1.1 How This Guide is Organized

This guide includes the following chapters:

- *Chapter 2, Pre-Installation*, provides details of the pre-installation requirements and files packaged in this ML release.
- *Chapter 3, Applying This Maintenance Level Release*, details the steps to install the OFS CRR 8.1.1.0 ML patch.

1.2 Conventions

Table 1 lists the conventions used in this guide.

Table 1: Conventions Used in this Guide

Conventions	Description
<i>Italics</i>	<ul style="list-style-type: none"> • Names of books, chapters, and sections as references • Emphasis
Bold	<ul style="list-style-type: none"> • The object of an action (menu names, field names, options, button names) in a step-by-step procedure • Commands typed at a prompt • User input
Monospace	<ul style="list-style-type: none"> • Directories and subdirectories • File names and extensions • Process names • Code sample, including keywords and variables within the text and as separate paragraphs, and user-defined program elements within the text
Asterisk	Mandatory fields in the User Interface
<Variable>	Substitute input value

1.3 Acronyms

Table 2 lists the acronyms used in this guide.

Table 2: Acronyms

Conventions	Description
ML	Maintenance Level
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
EAR / WAR	Enterprise Archive / Web Archive
ECM	Enterprise Case Management
MOS	My Oracle Support

2 Pre-Installation

NOTE Java 11 cannot be installed on Solaris.

1. Download the OFS_CRR 8.1.1 archive file from [e-Delivery](#).
2. Download the OFS_AAI_8.1.1.2 file from [MOS](#) by searching the patch number 33071689 under the Patches & Updates tab.

NOTE This step is applicable only if you are using OFS ECM.

3. Download the OFS ECM ML archive file from [MOS](#) by searching the patch number 32974978 under the Patches & Updates tab.
4. Provide the following grants to Atomic user by login using SYSDBA user.
 - "GRANT execute ON DBMS_LOCK TO <<ATOMIC USER>>
 - "Grant execute on dbms_scheduler to <<ATOMIC USER>>
 - "Grant create job to <<ATOMIC USER>>

2.1 Files Packaged in This ML Release

The list of files packaged in this ML release are as follows:

- [Modified Files](#)
- [Database Files](#)
- [Build-related Files](#)

2.1.1 Modified Files

The list of product files modified due to this patch are as follows:

- RRS.jar
- JBC.jar
- CRRUIBuilder.jar
- CRRUIActions.jar
- CRRSrcConfigAPI.jar
- CRRSrcClient.jar
- CRRSourceGen.jar
- CRROutputReport.jar
- CRRDataIngestion.jar
- CRRConfigUpd.jar
- CRRAckProcess.jar
- JS
- rrSolution.js

- layout.js
- CSS
- RRS_stylesheet.css
- stylesheet.css
- JSP
- rrMessagesConstant.jsp
- RR_RUS_RepList.jsp
- cssorientation.jsp
- RR_IND_RepList.jsp
- RR_CAN_RepList.jsp
- INSTR_Ack.jsp
- RR_CAN_FileReports.jsp
- RR_Details.jsp
- RR_RepList.jsp
- RR_CreateNew.jsp
- SARD_CreateReport.jsp
- SARD_FileRegRep.jsp
- SARD_Detail.jsp
- SARD_RepList.jsp
- Inboxframe.jsp
- SG_Inboxframe.jsp
- SARDetails.jsp
- SARD_FinAct.jsp
- SARD_SusActInfo.jsp
- RR_STD_RepList.jsp
- RR_STD_FileReports.jsp
- RR_TabDetails.jsp
- FileRegRep.jsp
- RR_CAN_Ack.jsp
- RR_CAN_ApprRep.jsp
- RR_CAN_Efile.jsp
- RR_STD_Efile.jsp
- SARD_ApprRep.jsp
- SARD_Audit.jsp
- SARD_Doc.jsp
- SARD_Efile.jsp

- SARD_FinInstDet.jsp
- SARD_Narrtv.jsp
- SARD_SusInfo.jsp
- STRDetails.jsp
- BH_CreateReport.jsp
- BH_Deatils.jsp
- BH_RepList.jsp
- MYFileRegRep.jsp
- MYSTRDetails.jsp
- NG_FileRegRep.jsp
- NSTRDetails.jsp
- NZ_Details.jsp
- NZ_RepList.jsp
- PK_CreateReport.jsp
- PK_Details.jsp
- PK_RepList.jsp
- RR_BU_RepList.jsp
- RR_EG_RepList.jsp
- RR_KEN_Create_New.jsp
- RR_KEN_RepList.jsp
- RR_PHP_RepList.jsp
- RR_STD_ApprRep.jsp

NOTE

- Take a backup of above mentioned files as a precautionary measure.
- If any customizations done to these files, they need to be re-applied.

2.1.2 Database Files

The list of updated/added files impact the database are as follows:

- Config Schema
- CRR_EG_TAB5_INVLPRTY.sql
- CRR_EG_AuditG.sql
- RR_IN_AuditG1.sql
- RR_CAN_AuditG1.sql
- SARD_AuditG1.sql
- RR_PMFASN_Reopen.sql

- 30753353_CSSMS_FUNCTION_MAST.sql
- 30753353_CSSMS_ROLE_FUNCTION_MAP.sql
- 30753353_TAB_LOCALE_MAP.sql
- 32597127_MENU_JSP_PARAMS_8111.sql
- 32751426_TAB_JSP_PARAMS_8111.sql
- 32597127_MESSAGES_EN_US_8111.sql
- 32787387_MESSAGES_EN_US_8111.sql
- 32751426_MESSAGES_EN_US_8111.sql
- 29615822_MESSAGES_EN_US.sql
- 32227898_MESSAGES_EN_US.sql
- RR_CAN_TransInfoG.sql
- RR_CAN_List.sql
- RR_CAN_ListG.sql
- RR_CAN_EflRepListG.sql
- RR_CAN_EfileG.sql
- RR_CAN_ApprRepListG.sql
- RR_CAN_Rep_Context.sql
- RR_CAN_Rep_Info.sql
- RR_CAN_AckG.sql
- RR_CAN_AcctList.sql
- RR_CAN_SubList.sql
- CRR_EG_TAB4.sql
- CRR_EG_TAB5.sql
- RR_PMFASN_ActApr.sql
- RR_IN_Rvsd_Report.sql
- CRR_EG_ListG.sql
- RR_AddComments.sql
- CRR_EG_TAB2_ENTITY8.sql
- CRR_EG_TAB2_ENTITY10.sql
- CRR_EG_TAB2_ENTITY12.sql
- CRR_EG_AcctAddEx.sql
- CRR_EG_AcctAddExG.sql
- CRR_EG_TAB4_ENTITY16.sql
- CRR_EG_TAB4_ENTITY30.sql
- CRR_EG_TAB5_ENTITY44.sql
- CRR_EG_TAB6_ENTITY58.sql

- RR_IN_Acct_Info.sql
- RR_IN_Actbtn.sql
- SARD_AuditG.sql
- RR_CAN_ApprRep.sql
- 30753353_PMF_CONFIGURATION.sql
- CRR_EG_TAB4_ENTITY38.sql
- CRR_EG_TAB4_ENTITY40.sql
- CRR_EG_TAB5_TRXN.sql
- CRR_EG_TAB6_TRXN.sql
- CRR_EG_TAB6_INVLPRTY.sql
- CRR_EG_TAB2.sql
- CRR_EG_TAB1.sql
- CRR_EG_TAB6.sql
- CRR_EG_TAB1_ENTITY2.sql
- CRR_EG_TAB1_ENTITY4.sql
- CRR_EG_TAB1_ENTITY5.sql
- CRR_EG_TAB1_ENTITY6.sql
- Application Script
 - FCT_CRR_VAD_DTLS_GOAMLSTR.sql
 - 32597127_APPLN_PARAMETERS_8111.sql
 - 33119153_DIM_VIEW_MASTER.sql
 - 33119153_FCT_CRR_OUT_ATTRIBUTE_INSTR.sql
 - 33119153_FCT_CRR_OUT_ENTITY.sql
 - 33119153_FCT_SRC_ATTRIBUTE.sql
 - FCT_CRR_OUT_ENTITY_INSTR.sql
 - FCT_CRR_OUT_ATTRIBUTE_INSTR.sql
 - FCT_CRR_OUT_DATA_FORMAT_INSTR.sql
 - 33119153_DIM_RR_ACTION.sql
 - FCT_CRR_OUT_DATA_FORMAT_GOAML.sql
 - FCT_CRR_OUT_ENTITY_GOAML.sql
 - FCT_CRR_OUT_ATTRIBUTE_GOAML.sql
 - 32134282_FCT_CRR_OUT_ATTRIBUTE_GOAML.sql
 - 32062661_FCC_CRR_UIB_ACTIONMAP.sql
 - 32227898_GoAML_Queries.sql
 - 33119153_FCT_SRC_ENTITY.sql
 - SRC_TARGET_CONFIG_GOAML_NGECM.sql

- Table Script
 - GTT_ACCOUNT_INFO.sql
 - DEFL_DISP_CREATE_INDEX.sql
 - GTT_RR_BATCH_CHECK.sql
 - GTT_RR_BATCH_INFO.sql
 - GTT_RR_TRXN_INFO.sql
- View Script
 - VW_CSSMS_USR_PROFILE_AUDIT.sql
- Functions
 - FN_RR_HTMLUNESCAPE.sql
 - FN_GOAML_GET_PARTY_ROLE.sql
- Packages
 - PKG_RRCA_SAVE.sql
 - PKG_RRCA_SAVE_BODY.sql
 - PKG_RRCA_DEL.sql
 - PKG_RRCA_DEL_BODY.sql
 - PKG_RRSTD_SAVE.sql
 - PKG_RRSTD_SAVE_BODY.sql
 - PKG_RRRUS_SAVE.sql
 - PKG_RRRUS_SAVE_BODY.sql
 - PKG_RRIN_SAVE.sql
 - PKG_RRIN_SAVE_BODY.sql
- Help Files
 - CASTR_OnlineHelp
 - goAMLSTR_OnlineHelp
 - INSTR_OnlineHelp
 - USSAR_OnlineHelp

NOTE

- Take a backup of Atomic and Config Schema as a precautionary measure.
- Take a backup of above mentioned files. If any customizations done to these files, they need to be re-applied.

2.1.3 Build-related Files

The list of build-related files are as follows:

- DB_Install.xml
- INSERT_INFODOM_PATCHES.sql

The list of patch utility files required are as follows:

- merge_wsdd.xml
- merge_Persistence.xml
- merge_web.xml
- merge_Menu.xml

3 Applying This Maintenance Level Release

To apply this ML release, follow these steps:

1. Stop all OFSAAI services.

NOTE Only one instance of the OFSAA App server must be up and running.

2. Load the `.profile` file and ensure that the `$FIC_HOME` path corresponds to the exact environment where the patch application is required.
3. Download and copy the `33119153_GENERIC.zip` file (in Binary mode) to the server where OFSAAI is installed.
4. Navigate to the `<USER_PATCH_DIR>` directory and extract the contents of the patch archive file using the following command:

```
unzip -a <name of the archive file to be unzipped>
```

For example: `unzip -a 33119153_GENERIC.zip`.

NOTE `<USER_PATCH_DIR>` is the directory containing the `<patch>.zip` file copied in step 3.

"-a" option is mandatory to unzip the patch. In case, you notice an error message: *"unzip: not found [No such file or directory]"* when the package is not installed, contact your *UNIX Administrator*.

The list of files available when you unzip the folder are as follows:

- PatchConfig.xml
 - install.sh
 - Setup.bin
 - validateXMLInputs.jar
 - CRR_DataModel.xml
 - Readme_OFSCRR_8.1.1.0.htm
5. Navigate to the `<USER_PATCH_DIR>/33119153/bin` directory and grant 755 permission using the following command:


```
$ chmod 755 *
```
 6. Update the parameter `##RR_UPLOAD_MODEL##` in the `<USER_PATCH_DIR>/33119153/conf/PatchConfig.xml` file to **1**.
 7. Replace the variables `##OFS_RRS_DATA_TBSP##` and `##OFS_RRS_INDEX_TBSP##` in the `PatchConfig.xml` file. These attributes refer to the Data and Index Tablespace Values present in the `OFS_CRR_SCHEMA_OUTPUT.xml` file generated at the time of installation.
 8. Install the patch by executing the `install.sh` command as follows:


```
$ ./install.sh
```
 9. Check if the ML release is applied successfully by verifying the patch install logs under the `<USER_PATCH_DIR>/33119153/logs` directory. Contact [My Oracle Support](#) in case of any errors.

10. After the patch is installed successfully, re-create the OFSAA EAR/WAR file and redeploy a new EAR/WAR file on the web application server.
11. Restart the OFSAA App server and the web server.

For more information on the application configuration, see *Administration Guide* on [OHC](#).

3.1 Workaround for WebSphere with JAVA11

3.1.1 Issue

FCCM UI on WebSphere webserver is displaying an error post successful installation of BD8111 ML.

UI does not allow you to login with SYSADMN/SYSAUTH credentials.

This is a known AAI issue and is prevalent across following combination.

BD811=>AAI8112=>BD8111 on WebSphere webserver.

This issue is caused due to AAI8112 ML.

3.1.2 Workaround

Workaround for this issue as follows:

1. Navigate to Webserver.
2. Open 'loginAgent.jsp' inside '/scratch/IBM/WebSphere/AppServer/profiles/<Profile_name>/installedApps/<Node_Name>/<FCCM EAR>/<FCCM WAR>

Comment out below line of code :

```
//out.println(startpage);  
//out.println("<BR>"+context);
```

3. Log in to the FCCM login page.

4 JAVA Upgrade

NOTE From CRR 8.1.1.1.0 onwards, JAVA11 is supported with the below mentioned web servers,

1. Weblogic 14.1.x.x
2. Apache Tomcat 9.0.xx

Existing web servers have to be re-configured/re-installed with JAVA11.

4.1 Configuring Existing JAVA8 environments

Follow the below procedure to upgrade from JAVA8 to JAVA11:

1. Install the JAVA11 in the server.
2. Use the below command to list the files and note the file names.
`grep -r -l '/scratch/jdk1.8.0_161'` (Change the JAVA path accordingly).

NOTE The above command should be executed in the \$FICHOME.

3. Modify the listed files from JAVA8 to JAVA11.
4. Use the below command to change from JAVA8 to JAVA11.
`grep -r -l 'OLDPATH/jdk1.8.0_161' . | sed "s|^|\"|g" | sed "s|$|\"|g" | xargs sed -i "s|OLDPATH/jdk1.8.0_161|NEWPATH/jdk-11.0.11|g"` (Change the JAVA paths accordingly).
5. Update the JAVA8 path with JAVA11 in the .profile.
6. Re-create and Re-deploy the OFSAA EAR/WAR file and Restart the OFSAA app server and web server.

4.2 Configuring New JAVA11 environments

Follow the below steps for creating new environment with JAVA11,

1. Configure and complete the installation of CRR 8.1.1.0.0 with JAVA11.

NOTE Do not bring up the environment until CRR 8.1.1.1.0 is applied and configured.

2. Follow the steps from [Pre-Installation](#) for applying CRR 8.1.1.1.0.

OFSAA Support Contact Details

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

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