Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack

Installation Guide

Version 8.0.2.0.0



Introduction

This document includes the necessary instructions to apply 8.0.2.0.0 Interim release for Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack and perform the required post install configurations. You can find the latest copy of this document in <u>OTN</u>.

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Preface

This document provides step-by-step instructions to install the OFS Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack 8.0.2.0.0 Interim release.

This chapter discusses the following topics:

- Audience
- How this Guide is organized
- <u>Recommended Environment</u>
- Related Documents
- <u>Conventions Used</u>

Audience

Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack Installation Guide is intended for administrators, and implementation consultants who are responsible for installing and maintaining the application pack components.

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 Regulatory Reporting for Reserve Bank of India Lombard Risk Integration Pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/ Web Application Server

How this Guide is Organized

The Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack Installation Guide includes the following topics:

• OFS RRR RBI Release 8.0.2.0.0.

Recommended Environment

Infrastructure application has been tested with Microsoft Internet Explorer[™] browser. For best viewing of Infrastructure pages, set the screen resolution to a minimum resolution of 1024 x 768 pixels.

Related Documents

This section identifies additional documents related to OFS RRR RBI. You can access Oracle documentation online from Documentation Library (<u>OTN</u>).

Oracle Financial Services RRR RBI 8.0.2.0.0 Installation Guide

Conventions and Acronyms

The conventions followed in this document are:

Conventions	Description			
Actions are indicated in Bold	Actions are indicated in Bold.			
Command or query is indica	Command or query is indicated in Courier New font.			
AIX	Advanced Interactive eXecutive			
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure			
OFS AAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure			
	Application Pack			
RHEL	Red Hat Enterprise Linux			
IR	Interim 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.			

1 OFS RRR RBI Pack Release 8.0.2.0.0

This Interim Release (IR) of OFS RRR RBI – Lombard Risk Integration Pack is cumulative and includes all enhancements and bug fixes done since the OFS RRR RBI – Lombard Integration Pack v8.0.1 GA release. For more information, refer the <u>Oracle Financial Services Regulatory Reporting for Reserve Bank</u> of India – Lombard Risk Integration Pack Guide – Release 8.0.2.0.0.

1.1 Pre Installation Requirements

The prerequisites are as follows:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.2.0.0
- Oracle Financial Services Data Foundation (FSDF) 8.0.2.0.0
- AgileREPORTER 1.13.1
- AgileREPORTER Template package (AgileREPORTER_RBI_Package_v1711.zip)
- Minimum patch level set to OFS RRR RBI 8.0.1.0.0 (Java7)
- Bug 24432629 REG REPORTING: METADATA BROWSER VIEW/MDRM REFRESH.
- Bug 22811206 DERIVED ENTITY THROUGH BATCH FRAMEWORK DOES NOT FAIL, IF ORIGINALLY FAILED

1.2 How to Apply This Interim Release?

1.2.1 Installing OFS RRR RBI

Refer to the following instructions to download, extract, and install this IR.

- 1. Login to <u>https://support.oracle.com/</u> and search for **24695583** under the *Patches & Updates* tab.
- Download the OFS RRR RBI v8.0.2.0.0 IR archive file and copy it to your OFSAA server in Binary mode.
- Shut down all the OFSAA Services. For more information, refer to the Start/Stop Infrastructure Services section in Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0.
- 4. 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 750 \$FIC HOME

- If you have Unzip utility, skip to the next step. Download the Unzip utility (OS specific) unzip_<os>.Z from the location <u>https://updates.oracle.com/unzips/unzips.html</u> 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 8.0.2.0.0IR.
 - Uncompress the unzip installer file using the command:

```
uncompress unzip <os>.Z
```

NOTE: In case you notice an error message "**uncompress: not found [No such file or directory]**" when the package is not installed, contact your UNIX administrator.

• Give EXECUTE permission to the file using the command:

chmod 751 OFS REG REP RBI 8.0.2.0.0 <OperatingSystem>.zip.

6. Extract the contents of the 8.0.2.0.0IR archive file using the command:

unzip_<os> -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 OFS REG REP RBI 8.0.2.0.0 <OperatingSystem>.zip

 Give EXECUTE permission to the IR archive file. Navigate to the path OFS_REG_REP_RBI_8.0.2.0.0_OperatingSystem>.zip and execute the command:

chmod 750 OFSAAIUpdate.sh

- 8. Configure the file Param.conf that is present under OFS REG REP RBI/conf.
- 9. Configure the Model Upload Parameter as: 0 (i.e. If you have already performed Model Upload and want to skip model upload process)
 # Specify whether you want to perform Model Upload
 # 0 = If you have already performed Model Upload and want to skip model upload process
 # 1 = If you want to perform Model Upload
 UPLOAD_MODEL=0
- 10. Navigate to OFS_REG_REP_RBI/bin and execute ./install.sh

Verify if the IR is applied successfully by checking the log files generated in the installation folder under OFS_REG_REP_RBI/logs

- 11. After successful installation of IR, perform these 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>

- 12. If the Webserver is Tomcat, then copy the jaxrpc.jar file from \$FIC_HOME/axis-1_4/webapps/axis/WEB-INF/lib to \$FIC_WEB_HOME/webroot/WEB-INF/lib.
- 13. Add umask 0027 in the .profile of the UNIX account which manages the WEB server to ensure restricted access permissions.
- 14. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying EAR / WAR file, refer to the *Post Installation Configuration* section in <u>Oracle Financial Services Advanced Analytical</u> <u>Applications Infrastructure Pack Installation Guide Release 8.0.2.0.0</u>.
- 15. After the successful installation of the IR, restart all the OFSAA services. For more information, refer to the *Start/Stop Infrastructure Services* section in <u>Oracle Financial Services Advanced</u> <u>Analytical Applications Infrastructure Pack Installation Guide Release 8.0.2.0.0</u>.

1.3 Saving the Derived Entities

After the server restart is complete, save all the derived entities manually using the OFSAAI User Interface (**Unified Analytical Metadata >> Business Metadata Management >> Derived Entity**). Alternatively, you can run the seeded batch <INFODOM>_REG_REP_RBI_DE_RESAVE, which resaves the DEs automatically at the backend.

Note: There are dependencies between the objects. Therefore, save the derived entities in the following order, as mentioned in below table. If you are using seeded batch, then the system follows this sequence.

SI. No	Derived Entity Code	Derived Entity Description
1	DEREG901	DE - Setup Master for Year
2	DEREG902	DE - Setup Master for MIS Date
3	DEREG903	DE - Setup Master for Quarter
4	DEREG904	DE - Setup Master for Last Year
5	DEREG905	DE - Setup Master for Last Quarter
6	DEREG906	DE - Management Reporting YTD Movement
7	DEREG907	DE - Management Reporting QTD Movement

8	DEREG908	DE - Management Reporting Previous QTD Movement
9	DEREG909	DE - Management Reporting Previous YTD Movement
10	DEREG956	DE - Fiscal Period Dimension
11	DEREG989	DE - BP Reg Account Summary
12	DEREG920	DE - Basel Asset Class
13	DEREG921	DE - Standard party Type
14	DEREG951	DE - Irfs Account Summary
15	DEREG913	DE - Special Fortnightly Return
16	DEREG918	DE - Asset Level A1
17	DEREG919	DE - Asset Level A2
18	DEREG924	DE - Standard Party
19	DEREG925	DE - Band Dimension
20	DEREG928	DE - Party Dimension
21	DEREG929	DE - Country Dimension
22	DEREG953	DE - Alternate Friday Count
23	DEREG933	DE - Guarantor Country Dimention
24	DERWA010	DE - Consolidation
25	DERCA918	DE - Sub Exp Effective Asset Class CD
26	DERCA919	DE - Sub Exp Issuer STD Party Type CD
27	DERCA03	DE - Non Sec Exp Basel Credit Rating
28	DEREG940	DE - Reg Account YTD Metrics
29	DEREG941	DE - Reg Account QTD Metrics
30	DEREG944	DE - Setup Master for Entity
31	DEREG945	DE - Entity Details
32	DEREG947	DE - Alternate Friday Summary
33	DEREG910	DE - Management Reporting EOP Balance

34	DEREG911	DE - Reg Account Summary
35	DEREG912	DE- Basic Statistical Return
36	DEREG012	DE - STD Account Head
37	DEREG917	DE - Liquidity Reporting
38	DEREG926	DE - Account Summary
39	DEREG930	DE - LRM Summary
40	DEREG932	DE - Aggregate Cash Flow
41	DEREG934	DE - Capital Instrument Transaction Summary
42	DEREG935	DE - Management Reporting EOP for ALE
43	DEREG936	DE - Management Reporting YTD Movement Agg
44	DEREG937	DE - Management Reporting QTD Movement Agg
45	DEREG938	DE - Management Reporting Previous QTD Agg
46	DEREG939	DE - Management Reporting Previous YTD Agg
47	DEREG942	DE - Reg Account YTD Metrics Agg
48	DEREG943	DE - Reg Account QTD Metrics Agg
49	DEREG946	DE - Sundry Debtors Account
50	DEREG948	DE - SLR Securities Summary
51	DEREG949	DE - Special Fortnightly Return Agg
52	DEREG950	DE - Reg Account Summary Agg
53	DEREG952	DE - Management Reporting EOP Balance Agg
54	DEREG954	DE - RAS Fortnightly SLR Maintenance Agg
55	DEREG955	DE - FMR Fortnightly SLR Maintenance Agg
56	DERCA920	DE - Credit Risk
57	DEREG968	DE - Account Ranking
58	DEREG969	DE - Deposit Balances
59	DEREG970	DE - Depositor Ranking

60	DEREG971	DE - Top 20 Depositor
61	DEREG962	DE - Basel Credit Rating Dimension
62	DEREG957	DE- RLC Exposures to Large Borrowers
63	DEREG958	DE - Capital Instrument Transaction
64	DEREG959	DE - Staff Details Summary
65	DEREG960	DE - Deposits Summary
66	DEREG978	DE - Reg Account Summary Reclassification
67	DEREG961	DE - Reg Account Summary Asset Quality
68	DEREG973	DE - Term Deposit and Rate Range Agg
69	DEREG967	DE - Term Deposit and Rate Range
70	DEREG963	DE - Term Deposit
71	DEREG964	DE - Large exposure Customerwise
72	DEREG965	DE - large Exposures Customerwise with Rank
73	DEREG966	DE - RLC Large Exposures to Banks
74	DEREG972	DE - Accountwise Cash Flows
75	DEREG974	DE - Previous YTD EOP Balance
76	DEREG975	DE - Slippage in Loan Previous Year
77	DEREG976	DE - Slippage in Loan Current Year
78	DEREG977	DE - Slippage Credit Risk Account During the Year
79	DEREG979	DE - ALM Account Summary
80	DEREG987	DE - Account Write Off Details QTD
81	DEREG982	DE - RLC Exposures to Large Borrowers Group
82	DEREG983	DE - Terminal Information
83	DEREG984	DE - Cards Details
84	DEREG985	DE - Card Information
85	DEREG986	DE - Reg Account Details

86	DEREG988	DE - Limit Details
87	DEREG980	DE - RBS RatingWise SLR
88	DEREG981	DE - Issued Instrument Transaction
89	DERBS999	DE - Deposits and Borrowings
90	DERBS888	DE - Regulatory Capital Account Summary
91	DERBS001	DE - Reg Account Summary RBS
92	DERBS09	DE - Fund of Banks Net worth-End of Previous FY- Borrower wise
93	DERBS10	DE - Fund Exposures for Rep line
94	DERBS08	DE - Fund Exposures-borrowers exceeding 1 percent- banks net worth
95	DERBS16	DE - 1 Percent of Total Fund Exposures
96	DERBS002	DE - Asstes of bank Reported in Bal Sheet
97	DERBS003	DE - Reg Capital Summary under RCA
98	DERBS004	DE - Expsrs-Stndrd and rtd at Hrdle rate
99	DERBS005	DE - Expsrs-Stndrd and rtd below the Hurdle rate
100	DERBS006	DE - Expsrs-Stndrd and rtd above the Hurdle rate
101	DERBS009	DE - Fund Base Exposures greater than equal to 1 cr
102	DERBS010	DE - Fund Base Exposures less than equal to 1 cr
103	DERBS011	DE - Non Fund Base Exposures greater than equal to 1 cr
104	DERBS012	DE - Non Fund Base Exposures less than 1 cr
105	DERBS013	DE - Market Risk Reporting
106	DERBS11	DE - IFRS Account Summary
107	DERBS12	DE - IFRS Account Summary for past 90 days
108	DERBS13	DE - IFRS Account Summary Rank wise
109	DERBS14	DE - 1st2nd3rd Net Trading PV01-90 days
110	DERBS30	DE - Top Borrowers Rank wise

111	DERBS31	DE - Top 20 Borrowers
112	DERBS33	DE - Top Industries Rank wise
113	DERBS34	DE - Top 3 industries
114	DEREG990	DE - During the Quarter
115	DEREG991	DE - Beginning the Quarter
116	DEREG992	DE - FRAS YTD Summary
117	DEREG993	DE - RAQ Exposures to Large Borrower
118	DEREG994	DE - Investment Details
119	DEREG995	DE - Market Info Detail
120	DEREG996	DE - SLR Securities Summary 3AF
121	DEREG997	DE - Counterparty Summary
122	DEREG998	DE - Cumulative Write-offs
123	DEREG999	DE - Counterparty Borrowings
124	DERBI001	DE - Counterparty Borrowings Rank wise
125	DERBI002	DE - Counterparty Deposits
126	DERBI003	DE - Counterparty Deposits Rank wise
127	DERBI004	DE - Cumulative Write-offs Previous Year
128	DERBI005	DE - Cumulative Write-offs Current Year
129	DERBS40	DE - Avg Net Interest of 4 Pre-Quarters
130	DERBS41	DE - Net Cash flows
131	DERBS45	DE - Net Daily MTM for past 90 days
132	DERBS995	DE - Market Info Detail for last 15 days
133	DETR001	DE - Deposits Borrowings for 90 days
134	DETR002	DE - Daily Avg of Liquid Assets past 90 days
135	DETR300	DE - Max Values NOOP
136	DETR301	DE-NOOP RANK WISE
137	DETR302	DE - 1st-2nd-3rd-Max values of NOOP

120	DETR202	DE Daily average of NOOD
138		
139	DETR304	DE - Forthnightly sum of Bulk Depositors
140	DETR305	DE - Forthnightly Average of Bulk Depositors
141	DETR306	DE - Top 20 Depositors Assets Range wise
142	DETR307	DE - Top 20 Depositors by Rank
143	DETR308	DE - Top 20 Depositors for Rank Hierarchy
144	DETR309	DE - Top 20 Depositors
145	DETR310	DE - Earnings
146	DETR311	DE - Fact Aggregate CONS CCY ALM Measures
147	DETR312	DE - Outstanding Amount for the last 90 days
148	DETR313	DE - Max Outstanding for the last 90 days
149	DETR314	DE - Reg Account BP ResMat
150	DETR315	DE - Reg Account summary Res Mat Band
151	DETR400	DE - Reg Instr Details
152	DETR3001	DE - NPAs Movement
153	DETR3002	DE - Movement of NPA
154	DETR3003	DE - PSA
155	DETR3004	DE - Standard Assets BOA
156	DETR3005	DE - Standard Assets
157	DETR3006	DE - MTM Assets
158	DETR3007	DE - Le Reg Capital Summary

Appendix A

Frequently Asked Questions

What checks does the 8.0.2.0.0 CA Release patch perform?

- Environment Check- As part of 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 OFSAAI support?

OFSAAI now supports ERwin version 9.2 and 9.5 generated xmls in addition to ERwin 4.1, ERwin 7.1, ERwin 7.3 and ERwin 9.0 formats.

What should I do for viewing the log files in Debug level for troubleshooting?

By default, the log level is set as INFO. You need to manually change it to Debug to view the log files in debug level. Based on your requirement, you can change the log level to Warn, Error, or Fatal as well.

- 1. Navigate to \$FIC_HOME/conf in the APP layer of your OFSAAI installation.
- Change the priority value to Debug in the RevLog4jConfig.xml file.

```
For example:
<root>
  <priority value ="debug" />
  <appender-ref ref="ConsoleAppender1"/>
</root>
```

- Change the value of LOGGERLEVEL in the DynamicServices.xml file from 20 to 0. (20 is the value for Info and 0 for Debug.)
 - **NOTE:** For multi-tier installation, you need to change the log level to Debug in the *DynamicServices.xml* and *RevLog4jConfig.xml* files, which are present in *\$FIC_APP_HOME/conf*, *\$FIC_DB_HOME/conf*, and *\$FIC_WEB_HOME/conf* as well.
 - Navigate to \$FIC_WEB_HOME/webroot/conf and change the priority value to Debug in the ExportLog4jConfig.xml, MDBLogger.xml, and PR2Logger.xml files for viewing log files in Debug level for the modules Archive/Restore, Metadata Browser and RRF respectively.
 - 3. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying EAR / WAR file, refer to the

Post Installation Configuration section in <u>Oracle Financial Services Advanced Analytical</u> <u>Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0</u>.

4. Restart the OFSAA Services (APP and WEB). For more information, refer to the *Start/Stop Infrastructure Services* section in <u>Oracle Financial Services Advanced Analytical Applications</u> <u>Infrastructure Pack Installation Guide – Release 8.0.2.0.0</u>.

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