

Oracle Financial Services Governance, Risk, and Compliance Application Pack

Installation Guide

Version 8.0.4.0.0



DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.0	February 2016	Created document to capture OFSGRC 8.0.4.0.0 Minor Level Release patch upgrade procedure.
2.0	Modified: March 2017	Added details of consolidated one-off patch 25487272.
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Executive Summary

This document includes the necessary instructions to apply the OFS GRC Applications Pack 8.0.4.0.0 Minor Release and perform the required post install configurations. You can find the latest copy of this document in the [OTN Documentation library](#) which includes all recent additions/revisions (if any).

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1 Preface

This document provides step-by-step instructions to install the OFS GRC Applications Pack 8.0.4.0.0 Minor Release.

This chapter discusses the following topics:

- [Audience](#)
- [How this Guide is organized](#)
- [Recommended Environment](#)
- [Conventions and Acronyms](#)

1.1 Audience

Oracle Financial Services Governance, Risk, and Compliance 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

Following are the expected preparations from the administrator before starting the actual installation. The document assumes that you have experience in installing Enterprise components and basic knowledge about the following are recommended:

- Oracle Financial Services Analytical Applications Infrastructure pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/ Web Application Server

1.2 How this Guide is Organized

The Oracle Financial Services Governance, Risk, and Compliance Applications Pack Installation Guide include the following topics:

- [OFS GRC Application Pack Release 8.0.4.0.0](#)
- [Appendix A](#)

1.3 Recommended Environment

The 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.

1.4 Conventions and Acronyms

Conventions	Description
Screen actions are indicated in Bold	
IR	Interim Release
ML	Maintenance Level Release
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
AIX	Advanced Interactive eXecutive
RHEL	Red Hat Enterprise Linux
OEL	Oracle Enterprise Linux
OS	Operating System
EAR / WAR	Enterprise Archive / 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 GRC Applications Pack Minor Release 8.0.4.0.0

This Minor Release of the OFS GRC Applications Pack is cumulative and includes all enhancements and bug fixes done since the OFS GRC Applications Pack v8.0 GA release. For more information, refer to [OFS GRC Applications Pack v8.0.4.0.0 Readme](#).

2.1 Pre-Installation Requirements

You should have OFS GRC Applications Pack version **8.0.0.0.0** as the minimum patch set level.

NOTE: Refer to the [Technology Matrix](#) for Hardware and Software Requirements.

- Download the one-off patch 25343603 from [My Oracle Support](#) if OFSAA is deployed on Oracle WebLogic Server version 12.2.x.
- Download the consolidated one-off patch 25487272 from [My Oracle Support](#).
- To install this release on Oracle Solaris OS, refer to the following list for version specific information:
 - **Solaris 11** – Upgrade to Oracle Solaris 11.3 with SRU09 or higher. See https://docs.oracle.com/cd/E60778_01/html/E60743/gouaw.html#scrolltoc to upgrade to SRU09 if you have a lower SRU version. Additionally, install the required runtime libraries. For more information, see [Installing Only the Runtime Libraries on Oracle Solaris 11](#).
 - **Solaris 10** – Install the required OS patches. For more information, see [Installing the Required Oracle Solaris 10 Patches](#). Additionally, install the required runtime libraries. For more information, see [Installing Only the Runtime Libraries on Oracle Solaris 10](#).

NOTE: In an OFSAA instance where multiple OFSAA application packs have been installed/ deployed, it is mandatory to upgrade all OFSAA application packs to 8.0.4.0.0 release. You should start the upgrade of OFS BGRC pack, only after confirming that all of the application packs in your OFSAA instance are available for upgrade to 8.0.4.0.0 version. For information on availability of the required OFSAA Application Packs, see [2246606.1](#).

2.1.1 Backup

Take a backup of the following before the application installation process starts. The backup should be kept until the application runs successfully.

- OFSAAI Configuration schema
- OFSAAI Installation directory

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- OFSAAI FTPSHARE directory
- OFSAAI Atomic Schema

2.2 How to Apply This Minor Release?

2.2.1 Installing OFS GRC 8.0.4 Minor Release

Refer to the following instructions to download, extract, install, and configure this Minor Release.

1. Login to <https://support.oracle.com/> and search for **25595226** under the *Patches & Updates* tab.
2. Download the OFS GRC Applications Pack 8.0.4.0.0 Minor Release archive file and copy it to your OFSAA server in **Binary** mode.

NOTE: Rename the existing GRC Applications Pack folder from the OFSAA server prior to extracting the contents from the release archive (.zip). For example, when extracted from the archive for this release, it creates a folder named OFS_BGRC_PACK, rename this folder if a folder with the same name exists in the path where the release archive is copied.

NOTE: There are different archive files for different operating systems such as AIX, RHEL/OEL, Solaris SPARC, and Solaris X86.

3. Stop all OFSAAI services. For more information, see the *Start/Stop Infrastructure Services* section in [OFS GRC 8.0.0.0.0 Installation and Configuration Guide](#).
4. Update memory setting in the user .profile file as following:

```
X_ARGS_APP="-Xms2g          -Xmx14g          -XX:+UseAdaptiveSizePolicy          -
XX:MaxPermSize=1024M-XX:+UseParallelOldGC -XX:+DisableExplicitGC"
export X_ARGS_APP
```

NOTE: X_ARGS_APP parameter is modified in the .profile file to customize.

5. Assign WRITE and EXECUTE permission to the files/folders such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb in the **\$FIC_HOME** folder by executing the command:

```
chmod -R 775 *
```

6. If you have Unzip utility, skip to the next step or download the Unzip utility (OS specific) **unzip_<os>.Z** from the location <https://updates.oracle.com/unzips/unzips.html> and copy it

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in **Binary** mode to the directory that is included in your PATH variable, typically **\$HOME** path or directory in which you have copied the 8.0.4.0.0 Minor Release.

- 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.

- Give EXECUTE permission to the utility using the command:

```
chmod 751 unzip_<os>
```

For example, `chmod 751 unzip_aix`

7. Extract the contents of the 8.0.4.0.0 Minor Release archive file using either of the following commands:

```
unzip_<os> <name of the file to be unzipped>
```

OR

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

8. Go to `/OFS_BGRC_PACK/OFS_BGRC/conf/PatchConfig.xml`
9. Update the `PatchConfig.xml` for the following place holder tags.

Place Holder Name	Details	Mandatory
##OFS_OR_UPLOAD_DM ##	<p>This attribute is used by the Installer to decide whether to upload the Data model or not.</p> <p>Applicable values are:</p> <ul style="list-style-type: none">• 0 (means no data model upload through Installer)• 1 (means do model upload through Installer) <p>By default it should be mentioned as 1 unless the data model upload was done outside before starting APP Pack Installations.</p> <p>If data model upload is done outside of installer then <code>pre Data model scripts</code> needs to be executed manually before data model upload and <code>post Data model scripts</code> must be executed manually after data model upload.</p> <p>Following two datamodels are available</p>	Yes

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	<p>under Datamodel folder :</p> <ol style="list-style-type: none"> 1. BGRC_DIMKBD5_DataModel.xml 2. 804_BGRC_DataModel.xml <p>Upload the BGRC_DIMKBD5_DataModel.xml datamodel first followed by 804_BGRC_DataModel.xml. Here, <Variable name="GRC1_UPLOAD_MODEL">##OFS_OR_UPLOAD_DM##</Variable> refers to BGRC_DIMKBD5_DataModel.xml datamodel and <Variable name="GRC2_UPLOAD_MODEL">##OFS_OR_UPLOAD_DM##</Variable> refers to 804_BGRC_DataModel.xml datamodel.</p> <p>These scripts are available under /OFS_BGRC_PACK/OFS_BGRC/pre_scripts and /OFS_BGRC_PACK/OFS_BGRC/post_scripts respectively.</p> <p>Note: Execution of these scripts should be done in the atomic schema.</p>	
##OFS_ORA_ORASOURCE_USER##	<p>This variable is used for capturing Operational Risk Analytics (ORA) Source User Name. The value to be provided is the User Name of the GRC ATOMIC schema created using the schema creator utility.</p> <p>Note: Refer to the OFSGRC 8.0.0.0.0 Installation Kit directory (/OFS_BGRC_PACK/schema_creator/OFS_BGRC_SCHEMA_OUTPUT.xml) for the ATOMIC schema name.</p>	Yes
##OFS_ORA_ORASOURCE_PW##	<p>This variable is used for capturing Operational Risk Analytics (ORA) Source User Password. The value to be provided is the password of the ATOMIC schema mentioned in the above field.</p> <p>Note: The Password must be in normal text not encrypted format.</p>	Yes
##OFS_OR_INDEX_TBS##	<p>This variable used for capturing the Index table space used during OFS GRC 8.0.0.0.0 Installations.</p> <p>Note: Refer OFSGRC 8.0 Installation Kit</p>	Yes

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	<p>directory(/OFS_BGRC_PACK/schema_creator/OFS_BGRC_SCHEMA_OUTPUT.xml for the Index table Space Value</p>	
<p>##OFS_OR_DATA_TBS# #</p>	<p>This variable used for capturing Data table space used during OFS GRC 8.0 Installations.</p> <p>Note: Refer OFSGRC 8.0 Installation Kit directory(/OFS_BGRC_PACK/schema_creator/OFS_BGRC_SCHEMA_OUTPUT.xml for the Data table Space Value</p>	Yes
<p>##OFS_OR_EXECUTE_PRE_AND_POST_SCRIPTS##</p>	<p>This attribute helps you to decide whether to execute pre Data model scripts and post Data model scripts or not.</p> <p>Applicable values are:</p> <ul style="list-style-type: none"> • 0 (means no pre and post data model script execution through Installer) • 1 (means execute pre and post data model script through Installer) <p>By default, it should be mentioned as 1 unless data model upload was done outside before starting APP Pack Installations.</p> <p>If data model upload is done outside of installer then pre Data model scripts needs to be executed manually before data model upload and post Data model scripts needs to be executed manually after data model upload.</p> <p>These scripts are available under /OFS_BGRC_PACK/OFS_BGRC/pre_scripts and /OFS_BGRC_PACK/OFS_BGRC/post_scripts respectively.</p> <p>Refer to Pre_Scripts.xml and Post_Scripts.xml files to view the details of base version upgrade. For example, if you are upgrading from 8.0.0.0.0, then you should execute respective scripts as mentioned in Pre_Scripts.xml and Post_Scripts.xml files.</p> <p>Note: Execution of these scripts should be done in the atomic schema.</p>	Yes

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10. Give EXECUTE permission to the Minor Release patch installer script. Navigate to OFS_BGRC_PACK and execute the following command:

```
chmod 755 OFSAIUpdate.sh
```

11. Execute the following command to start the installation.

```
./OFSAAIUpdate.sh
```

Verify if the Minor Release is applied successfully by checking the log files generated under OFS_BGRC_PACK/OFS_BGRC/logs and OFS_BGRC_PACK/logs folder. You can ignore ORA-00001, ORA-00955, ORA-02260, ORA-01430, and ORA-01031 errors in the OFS_BGRC_PACK/logs/OFSAAIUpdate.log file.

In case of any errors, contact [Oracle Support](#).

12. Remove the `</persistence-unit>` tag where name of the tag is **“QUEST_OFSBGRCINFO”** from the persistence.xml from the below path:

```
“$FIC_HOME/ficweb/webroot/WEB-INF/classes/META-INF/persistence.xml”
```

For example:

Remove the below tag from the persistence.xml file.

```
<persistence-unit name="QUEST_OFSBGRCINFO" transaction-
type="RESOURCE_LOCAL">
  <provider>org.eclipse.persistence.jpa.PersistenceProvider</provider>
  <!-- Make sure for Tomacat and Weblogic non-jta-data-source set as :
java:comp/env/jdbc/FICMASTER e.g. <non-jta-data-
source>java:comp/env/jdbc/FICMASTER</non-jta-data-source>
where as for websphere it should have value as : jdbc/FICMASTER e.g.
<non-jta-data-source>jdbc/FICMASTER</non-jta-data-source> -->
<!-- <non-jta-data-source>java:comp/env/jdbc/MRM11INFO</non-jta-data-
source> -->
  <class>com.ofss.common.product.questionnaire.beans.QuestionBean</class>
<class>com.ofss.common.product.questionnaire.beans.QuestionnaireBean</clas
s>
<class>com.ofss.common.product.questionnaire.beans.OptionBean</class>
<class>com.ofss.common.product.questionnaire.beans.ResponseBean</class>
<class>com.ofss.common.product.questionnaire.beans.QuestionSectionMapBean<
/class>
<class>com.ofss.common.product.questionnaire.beans.SectionBean</class>
<class>com.ofss.common.product.questionnaire.beans.OptionScoreMapBean</cla
ss>
```

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```
<class>com.ofss.common.product.questionnaire.beans.ScoreEffectivenessBean<
/class>

<class>com.ofss.common.product.questionnaire.beans.ResponseSummaryBean</cl
ass>

<class>com.ofss.common.product.questionnaire.beans.DTLogicBean</class>

<class>com.ofss.common.product.questionnaire.beans.DTResultCategoryBean</c
lass>

<class>com.ofss.common.product.questionnaire.beans.DTSelectedResultBean</c
lass>

<properties>
<property name="eclipselink.target-database"
value="org.eclipse.persistence.platform.database.oracle.OraclePlatform" />
<!-- this one overrides -->
<property name="javax.persistence.nonJtaDataSource"
value="jdbc/OFSBGRCINFO" />
<property name="eclipselink.logging.level" value="SEVERE" />
<property name="eclipselink.cache.shared.default" value="false" />
<property name="eclipselink.session.customizer"
value="com.ofss.common.product.questionnaire.db.JPAEclipseLinkSessionCusto
mizer" />
</properties>
</persistence-unit>
```

13. Install the consolidated one-off patch 25487272. Refer to the Readme available with the patch for further instructions on installing the patch.
14. After successful installation of the Minor Release, perform the following 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>

- **WebSphere:**

```
<Websphere installation
directory>/AppServer/profiles/<Profile name>/temp/<Node
name>/server1/<Application name>/<.war file name>
```

15. Delete the existing EAR/WAR file available in the folder `$FIC_HOME/ficweb`.
16. If OFSAA is deployed on Oracle WebLogic Server version 12.2.x, install the one-off patch 25343603. Refer to the following instructions to download, extract and install the patch:
 - a. Log in to <https://support.oracle.com/>.
 - b. Search for 25343603 under the Patches & Updates tab.
 - c. Refer to the Readme available with the patch for further instructions on the patch installation procedure.
17. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR/ WAR file, refer to the *Post Installation Configuration* section in the [OFS GRC 8.0.0.0.0 Installation and Configuration Guide](#).
18. After successful installation of the Minor Release, start all the OFSAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in the [OFS GRC 8.0.0.0.0 Installation and Configuration Guide](#).
19. Deploy the RPD and Catalog OBIEE (*Version 11.1.1.9.0*) files present under `$FIC_HOME/OBIEE` folder. For detailed steps, refer to *Appendix M* in the [OFS GRC 8.0.0.0.0 Installation and Configuration Guide](#).
20. For more information on WorkManager related activity for WebLogic and WebSphere, refer to *Workflow Manager Configurations* section of [Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack Administration and Configuration Guide Release 8.0.0.0.0](#).

2.3 Post Installation Configurations

On successful installation of OFSGRC v8.0.4.0.0, follow post installation configurations. These configurations must be repeated, if you enable an application product license within the GRC application pack at any point of time.

This section covers the following topics:

- [Test Data Execution](#)
- [Hierarchy Resave](#)
- [KBD-Group-Role Mapping Population](#)

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- [User-Group Mapping Population](#)
- [Questionnaire Configuration](#)
- [Population of Calendar data into DIM_DATES](#)

2.3.1 Test Data Execution

After successful installation, you can create Out of Box (OOB) GRC application users through scripts available under the `$FIC_HOME/ficdb/Test_Data` folder:

To execute Sample User Scripts follow these steps:

1. Navigate to `$FIC_HOME/ficdb/Test_Data`.
2. Connect to config schema through sqlplus.
3. Execute command `@'Execution_order.txt'`
4. Commit the change.

NOTE: OOB users are useful for understanding GRC applications in initial stages. However, Oracle does not restrict on use of GRC applications only through OOB users. This script needs to be executed each time any of the applications from the GRC pack are enabled post-installation.

2.3.2 Hierarchy Resave

Business hierarchies must be re-saved mandatorily after successful installation. To resave the hierarchies, follow these steps:

1. Login to the Application as Administrator.
2. Navigate to Object Administration, select Utilities, and click **Save Metadata**.
3. Select all hierarchies from the Available Metadata and move it to Selected Metadata.
4. Click **Save**.

2.3.3 KBD-Group-Role and Masking View Map Population

Once metadata resave is completed successfully, you must map Out of Box Key Business Dimensions to the user groups and roles. To populate OOB KBD-Group-Role Mapping, follow these steps:

1. Login to the Application as Administrator.
2. Navigate to Applications and select **Common Tasks**.
3. Click **Unified Metadata Manager** and select **Business Metadata Management**. Click **Reference Data Mapping**.
4. On the right-hand side of the Map Maintenance screen, select the **Org Unit Loc** mapper and click **Mapper Maintenance**.
5. In the new page, click **Pushdown** available on the Member Combinations grid.
6. The 'Pushdown operation is successful' message is displayed. Click **OK**.

7. Navigate to the Mapper list, select **Masking View** mapper and click **Mapper Maintenance**.
8. In the new page, click the **Pushdown** button available on the Member Combinations grid.
9. The 'Pushdown operation is successful' message is displayed. Click **OK**.

2.3.4 User-Group Mapping Population

Once Push Down is completed successfully, you must execute the `REFRESH_ACCESS_RIGHTS` batch by following these steps:

Creation of Batch from Manage Run

1. Login to the Application as Administrator.
Navigate to Common Tasks >> Rules Administration >> Manage Run Execution. Click **New**.
2. Select Run as **Refresh Access Rights of Users based on User Group Map**. Provide an execution code and name. Select the Request Status as "Closed". Click **Save**.
A new batch is available for execution.
3. Navigate to Common Tasks >> Operations >> Batch Execution.
4. Select the batch name created above and execute it. Refer to the Batch monitor for batch status.

2.3.5 Questionnaire Configuration

Configurations to be done as part of Questionnaire enhancements for this release are as follows:

2.3.5.1 Assign of Approver to Existing OOB Questionnaires

As part of this release, the Approver concept has been introduced in Questionnaire. The Questionnaire getting created will capture the Approver by default.

Follow these steps to assign Approvers to existing OOB questionnaires.

1. Navigate to the `$FIC_HOME/ficdb/Test_Data/Questionnaire_Migration` folder.
2. Open `Questionnaire_migration_to_80200.sql` and replace `##QTNR_APPROVER_ID##` placeholder with the approver user ID.
Note: For OOB installations, the Questionnaire user ID is QLA. Hence `'##QTNR_APPROVER_ID##'` placeholder needs to be replaced with `'QLA'`.
3. Save the changes and execute the `.sql` file in the Atomic Schema.

2.3.5.2 Data Population of People's Hierarchy

As part of this release, the concept has been added in Questionnaire for operations like Reassign, Delegation and Escalation. The `DIM_EMPLOYEE` table holds employee data for this.

1. To populate this table with OOB users then execute the `Execution_order_802_atomic_schema.txt` file and post installation.
Follow these steps:
 - i. Navigate to `$FIC_HOME/ficdb/Test_Data`.

- ii. Connect to the config schema through sqlplus.
 - iii. Execute command @'Execution_order.txt'.
 - iv. Commit the change.
2. To populate People's Hierarchy with your own data through the stage table, a batch can be created using the following Run Code `POPULATE_EMP_DETAILS`. Execute the batch which will populate the `DIM_EMPLOYEE` table.

2.3.6 Population of Calendar Data into DIM_DATES

The following steps help to populate calendar dates data into `DIM_DATES` table.

To execute the batch, follow these steps:

1. Login to the application as GRC Admin user.
2. Access Common tasks. Select **Rules Administration**, and click **Run screen**.
3. Select the **Run Name** as **Load Calendar Dates**.
4. Click **Fire Run** in the grid.
5. Select the execution mode as **Create & Execute**. Select the MIS date as `SYSDATE`.
6. In parameters, give the duration of dates for which you want to populate `DIM_DATES`. Date format should be as `YYYYMMDD`
Example: **20160201**,"**20160229**
7. Click **OK**. Dates should be populated into `DIM_DATES` table.

Appendix A

Frequently Asked Questions

Which release version of OFS ORGRC 8.x on OSDC should I choose to install?

You can choose OFS ALM 8.0 or higher versions.

What are the browsers supported for OFS ORGRC?

OFS ORGRC supports web browsers Microsoft Internet Explorer™, Google Chrome™ and Mozilla Firefox™. For detailed information, refer to the [Technology Matrix](#).

Note: The support information for browsers mentioned here is applicable only for OFS ORGRC. For browser support information on other OFSAA applications, refer to the respective application pack documentation.

What is the screen resolution supported for OFS ORGRC?

OFS ALM supports screen resolutions of 1024 x 768 and 1280 x 1024 pixels.

Should I select inbuilt browser-based property 'Prevent this page from creating additional dialogs' in Chrome and Firefox?

No, this will block the OFS ORGRC dialogs from displaying on the screen and impact the functionality.

What checks does the 8.0.4.0.0 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?

The references to Data Modeler ERwin versions 70, 71, 72, 90, 92 and 96 are provided for the AAI framework to support these for backward compatibility. However, the data model-slices shipped with OFS ORGRC 8.0.4.0.0 application packs are compatible with Erwin v9.5 and 9.64.

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

By default, the log level is set as INFO. You must 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.

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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.

2. 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 the 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 [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide – Release 8.0](#).
4. Restart the OFSAI Services (APP and WEB). For more information, refer to the *Start/Stop Infrastructure Services* section in [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide – Release 8.0](#).

Can I install OFSAA 8.0.0.0.0 release Application Pack on an OFSAA instance which is already upgraded to a higher version say 8.0.4.0.0?

Yes. You can install an OFSAA 8.0.0.0.0 release Application Pack on an OFSAA instance which is already upgraded to a higher version. Refer table Installer and Installation Prerequisites (section Installer and Installation Prerequisites >> Category Others >> Sub-Category OFSAA) in the [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide](#) for more details prior to proceeding with the installation.

How can I re-trigger GRC 8.0.4 if installation fails while uploading data model or prior to that?

Once GRC 8.0.4 installation is triggered, it clears the OR_APPLICATION_PASSWORD value set in OFS_BGRC_PACK/OFS_BGRC/conf/PatchConfig.xml. To re-trigger the GRC 8.0.4 installer, follow these instructions:

1. Extract the contents of the 8.0.4.0.0 Minor Release archive file.
2. Fill all details in PatchConfig.xml under OFS_BGRC_PACK/OFS_BGRC/conf.
3. Execute OFSAIUpdate.sh.

OFS GRC 8.0.4.0.0 Installation Guide



Oracle Financial Services Governance, Risk, and Compliance Application Pack

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