

Installation Manual  
Oracle Financial Services Liquidity Risk Management  
Release 2.0  
May 2012



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## Document Control

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## 1. About this Manual

### 1.1 Oracle Financial Services Analytical Applications Infrastructure Overview

Oracle Financial Services Analytical Application Infrastructure (*OFSAAI*) is an analytical application platform which has been architected to be multi-tiered and open-systems compliant. OFSAAI is fully web-enabled. It's a 100% thin-client, browser-based interface with zero foot print which dramatically reduces the cost of application deployment. All OFSAAI processes, including those related to business, are metadata-driven, thereby providing a high degree of operational and usage flexibility, and a single consistent view of information to all users.

OFSAAI product suite includes a rules-framework designer engine, Unified Metadata Manager which has a semantic layer of metadata abstraction that is common over both relational and OLAP repositories.

### 1.2 Analytical Applications Overview

Analytical Application like Oracle Financial Services Liquidity Risk Management is pre-packaged on OFSAAI and is ready to install.

**Oracle Financial Services Liquidity Risk Management Release 2.0** is designed to address liquidity risk of banking institutions across the world. It allows institutions to comply with the Individual Liquidity Adequacy Standards (*ILAS*) or similar standards issued by other regulators.

### 1.3 Audience

This manual is meant for the OFSAAI Application System Administrator as they play an integral part in installing the Oracle Financial Services Analytical Applications.

### 1.4 Scope

This manual provides a step-wise instruction to install the Oracle Financial Services Liquidity Risk Management Release 2.0, in an existing OFSAAI v7.3 Platform hosted on AIX 5.3/6.1, RHEL 5.3 /5.5, OEL 5.3/5.5 or Sun Solaris 5.10 server– Oracle Business Intelligence Suite Enterprise Edition 11.1.1.5.0 - Oracle 11g R2 (11.2.0.2.0) – Tomcat 7.0.19, Websphere 7.0.0.17 and Web logic 10.3.5.0– 64 bit environment.

### 1.5 Organization of the Manual

The Installation Manual is organized into the following chapters:

- Prerequisites section identifies the hardware and base software environment that is required for successful installation and functioning of Oracle Financial Services Liquidity Risk Management Release 2.0.
- Installing the Application section details the pre-installation activities followed by a step-by-step instruction on the various installation options.
- Post Installation Activities section details the steps that are required to be performed after

the successful installation of the Oracle Financial Services Liquidity Risk Management Release 2.0.

## 1.6 Conventions Used in this Manual

- References to sections or chapters in the manual are displayed in *Italics*.
- Screen names are displayed in the following manner:

### **Introduction screen**

- Options and buttons are displayed in **Bold**.
- Notes are displayed as follows:

#### **NOTE:**

It is important that the password should be 6 characters long. If you do not adhere to this prerequisite, you will see a system message that reads **Password must be at least 6 characters long**.

## 2. Prerequisites

The installation process requires certain environmental variables to be set before installing the application. *For more information on the hardware or software requirements refer to the Release Notes. For more information on environment variables to be set refer to the OFSAAI Installation Manual.*

### 2.1 Environment

Installation of Oracle Financial Services Liquidity Risk Management Release 2.0 requires AIX 5.3/6.1, RHEL 5.3 /5.5, OEL 5.3/5.5 or Sun Solaris 5.10 server - Oracle Business Intelligence Suite Enterprise Edition 11.1.1.5.0 - Oracle 11g R2 (11.2.0.2.0) version of **Oracle Financial Services Analytical Applications Infrastructure Release 7.3** to be installed in either a single-tier or multi-tier environment.

It is implicit that all base software versions and patch levels required by the AIX 5.3/6.1, RHEL 5.3 /5.5, OEL 5.3/5.5 or Sun Solaris 5.10 versions of Oracle Financial Services Analytical Applications Infrastructure Release 7.3 is available and adhered to.

The supported web servers are Tomcat 7.0.19, Websphere 7.0.0.17 and Web logic 10.3.5.0.

The AIX 5.3/6.1, RHEL 5.3 /5.5, OEL 5.3/5.5 or Sun Solaris 5.10 - Oracle 11g R2 (11.2.0.2.0) version of Oracle Financial Services Analytical Applications Infrastructure v7.3, once installed must be configured.

### 2.2 Front-End Access

- Microsoft Internet Explorer 8/9
- Microsoft Office 2003/2007
- Client Machines – Windows XP SP3/Windows 7
- The screen resolutions supported are 1024\*768 and 1280\*1024
- Adobe Reader 8.0
- Java Plug-in 1.6.0 21

#### NOTE:

Ensure that Java Plug-in is enabled in the browser settings.

## 3. Installing the Analytical Application

### 3.1 Preinstallation Activities

The following is the preinstallation checklist to ensure the readiness to start installing Oracle Financial Services Analytical Applications:

- Oracle Financial Services Analytical Applications Infrastructure Release 7.3 must be successfully installed on AIX 5.3/6.1, RHEL 5.3 /5.5, OEL 5.3/5.5 or Sun Solaris 5.10 server– Oracle 11g R2 (11.2.0.2.0) – Tomcat 7.0.19, Websphere 7.0.0.17 and Web logic 10.3.5.0– 64 bit environment.
- If the infrastructure is installed on a multitier environment, then execute the following commands in the DB Layer terminal:

```
chmod -R 777 < ftpshare folder >
```

- Navigate to the ftpshare folder and set the umask shown as follows to ensure that all the new files created have 666 file permissions.

```
cd < ftpshare folder >  
umask 0000
```

- The config and atomic schema should be of two distinct oracle database users.
- The Information Domain schema makes use of the tables from the configuration schema. To create a new infodom, execute the file “<Infrastructure Database Layer Install Directory>/config\_table\_privileges\_for\_atomic\_user.sql” from the Infrastructure config database before creating the new infodom. These Privileges should be given to Production Schema and Sandbox Schemas (essentially all the Atomic schemas).

**NOTE:**

Ensure that the FIC server is up before executing the file.

- The following grants must be given to atomic schema user:
  - grant create session to ATOMIC\_USER
  - grant create synonym to ATOMIC\_USER
  - grant create view to ATOMIC\_USER
  - grant create sequence to ATOMIC\_USER
  - grant create table to ATOMIC\_USER
  - grant create procedure to ATOMIC\_USER
  - grant create trigger to ATOMIC\_USER
  - grant debug connect session to ATOMIC\_USER
  - grant create any index to ATOMIC\_USER
  - grant create type to ATOMIC\_USER
- Copy all the contents of the Oracle Financial Services Liquidity Risk Management Release

2.0 installer download directory to the server location (including the DataModel directory). Provide read, write and execute permission to all the files present in this directory.

- Rename the data model present in the directory to LRM\_Datamodel.xml.
- Specify the log file path and name in the log4j.xml. Update the value attribute highlighted in the following figure:

```
<?xml version="1.0" encoding="UTF-8" ?>
<log4j:configuration xmlns:log4j="http://jakarta.apache.org/log4j/">
<appender name="ConfigReveleusFileAppender"
class="org.apache.log4j.RollingFileAppender">
    <param name="file" value="/<b>installer components copied
directory>/installer.log"/>
    <param name="Append" value="true"/>
</appender>
</log4j:configuration>
```

- Ensure the path given in the log4j.xml file has read, write or execute permission.
- Execute the **config\_table\_privileges\_for\_atomic\_user.sql** script in configuration schema. This file is present in the \$FIC\_HOME directory.
- Execute the following grants in the Config schema:
  - grant select on CONFIG\_USER.BATCH MONITOR to ATOMIC\_USER
  - grant select on CONFIG\_USER.BATCH\_TASK\_MASTER to ATOMIC\_USER
  - grant select on CONFIG\_USER.REVELEUS\_MASTER to ATOMIC\_USER
  - grant select on CONFIG\_USER.REV\_MAST\_MAP\_ITEMS to ATOMIC\_USER
  - grant select on CONFIG\_USER.metadata\_master to ATOMIC\_USER
  - grant select on CONFIG\_USER.METADATA\_LOCALE\_MASTER to ATOMIC\_USER
  - grant select on CONFIG\_USER.metadata\_type\_master to ATOMIC\_USER
  - grant select on CONFIG\_USER.metadata\_attribute\_master to ATOMIC\_USER
  - grant select on CONFIG\_USER.metadata\_element\_master to ATOMIC\_USER
  - grant select on CONFIG\_USER.ST\_STRESS\_MASTER to ATOMIC\_USER
  - grant select on CONFIG\_USER.ST\_SCENARIO\_MASTER to ATOMIC\_USER
  - grant select on CONFIG\_USER.pr2\_map\_items to ATOMIC\_USER
  - grant select on CONFIG\_USER.pr2\_master to ATOMIC\_USER
- Ensure FICServer is up and running before proceeding for installation.
- Execute the following commands in atomic schema.
  - Alter table SYS\_TBL\_MASTER modify SRC\_PROC\_SEQ NUMBER(3)
  - Alter table SYS\_STG\_JOIN\_MASTER modify MAP\_REF\_NUM NUMBER(4)

- Alter table `SYS_TBL_MASTER` modify `MAP_REF_NUM` NUMBER(4)
- From SYS DBA grant select permission to config and atomic user for 'V\_\$PARAMETER' table.
  - grant select on V\_\$PARAMETER to &config\_db\_user;
  - grant select on V\_\$PARAMETER to &atomic\_db\_user;
- If OFS Asset Liability Management (ALM) is installed in the setup, then fire the below query in the config schema.
  - update setupinfo set appname='%ALM%' where appname='ALM'

## 3.2 OFS Liquidity Risk Management Release 2.0 Installation

The Oracle Financial Services Analytical Applications Infrastructure comprises of components that are installed in Web, Application and Database layer. Hence, if you have installed Oracle Financial Services Analytical Applications Infrastructure Release 7.3 in a multitier architecture, the Oracle Financial Services Liquidity Risk Management Release 2.0 installer must be loaded on each of the machines that host the Oracle Financial Services Analytical Applications Infrastructure tier.

For a single tier installation, the installer is required to be loaded only once on the machine that hosts all the Oracle Financial Services Analytical Applications Infrastructure tiers.

This section describes the installation process in which the three product setup components with the product are installed on separate machines as follows:

- Machine A is used to install the product Application Layer components
- Machine B is used to install product Database Layer components
- Machine C is used to install product Web Layer components

### NOTE:

This section holds applicable if Oracle Financial Services Analytical Applications Infrastructure Release 7.3 is installed on AIX 5.3/6.1, RHEL 5.3 /5.5, OEL 5.3/5.5 or Sun Solaris 5.10 server-Oracle 11g on separate machines A, B and C respectively.

For Silent Installation, refer to the section [Silent Installation](#).

### 3.2.1 Machine A – Product Application Layer

#### Step 1

To begin with the Oracle Financial Services Liquidity Risk Management Release 2.0 installation, execute **Setup.sh** with the parameter GUI (GUI Installation) or SILENT (for Silent installation).



Figure 1: Installation Splash Screen

**Step 2**

Upon loading the installer, the **Introduction** screen displays the prerequisites for installation. Ensure that these prerequisites are met before you proceed.

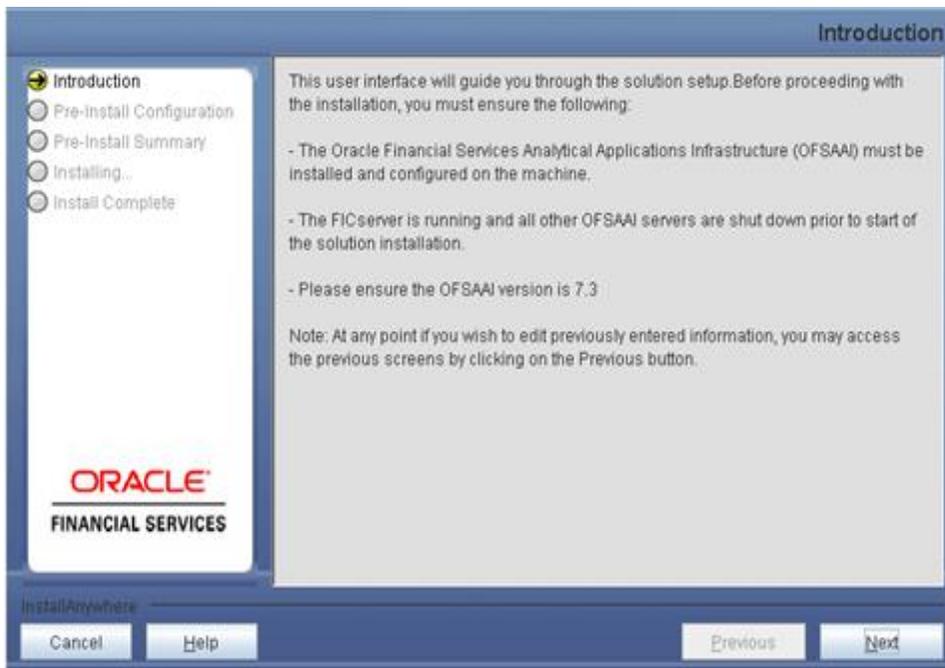
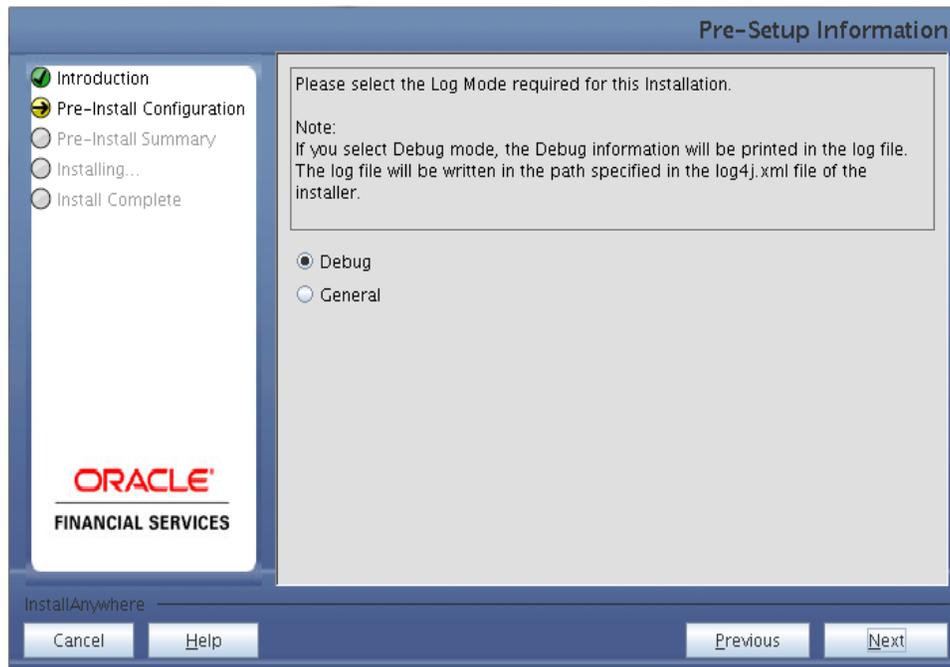


Figure 2: Introduction Screen

### Step 3

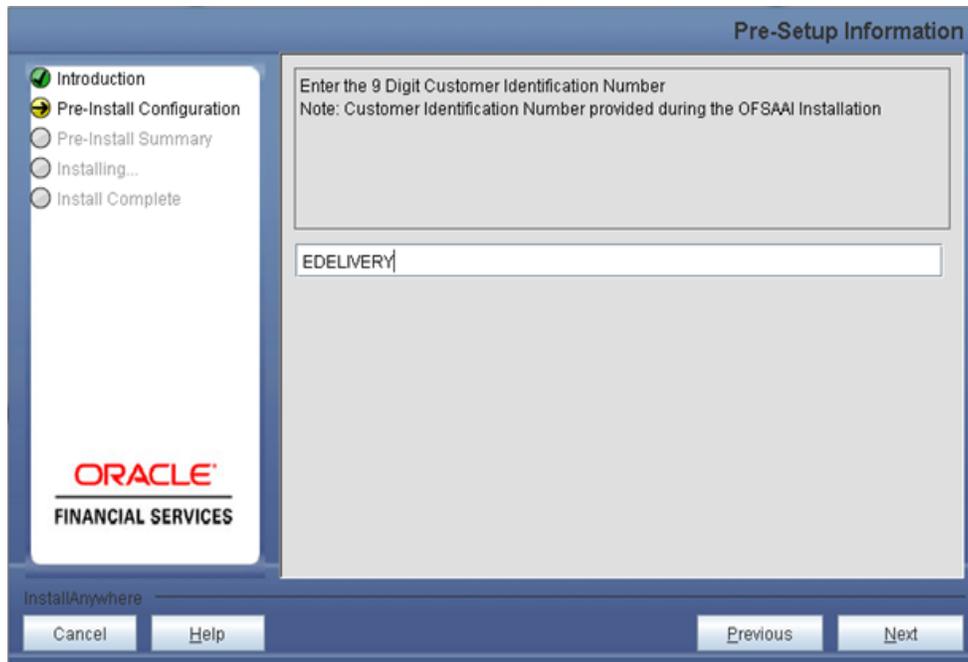
Choose the log mode for this installer. If **Debug** is selected, then the debug information will be printed in the Log File.



**Figure 3: Log Mode Option Screen**

### Step 4

Enter the 9 digit Customer Identification Number provided during the OFSAAI installation.



**Figure 4: Customer ID Input Screen**

Click **Next** to continue.

### **Step 5**

The **Pre Setup Information** screen requests for setup information.

Enter the OFSAAI User ID.

Select the appropriate Oracle Financial Services Analytical Applications Infrastructure layer that has been installed on the machine.

Example: **Application Layer**



**Figure 5: Pre Setup Information Screen – Choose Layer to Install**

**NOTE:**

For a single-tier Oracle Financial Services Analytical Applications Infrastructure Release 7.3 installation, you must select Application Layer, Database Layer and Web layer.

For a multitier Oracle Financial Services Analytical Applications Infrastructure Release 7.3 installation, select the corresponding layer installed on the machine.

**Step 6**

This screen prompt seeks information on whether a new infodomain has to be created or the existing infodomain to be used for installation. Choose the desired option.



**Figure 6: Pre Setup Information Screen – Infodom type**

Click **Next** to continue. If **New Infodom** is selected then go to **Step 7** or else go to [Step 8](#).

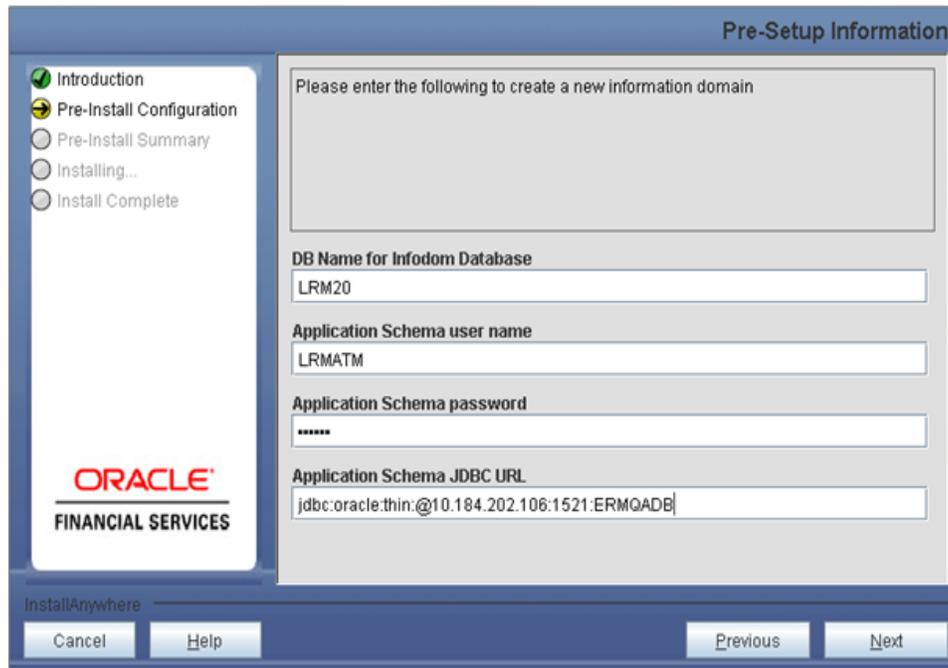
### **Step 7**

If the option **New Infodom** is chosen then update the following to create infodom:

#### **Step 7-i:**

- Specify a DB name for the new infodom. Make a TNS entry with the DB name specified in the tnsname.ora file in the oracle server.
- Enter the newly created application schema user name, password and JDBC url in relevant fields.

Click **Next** to continue.

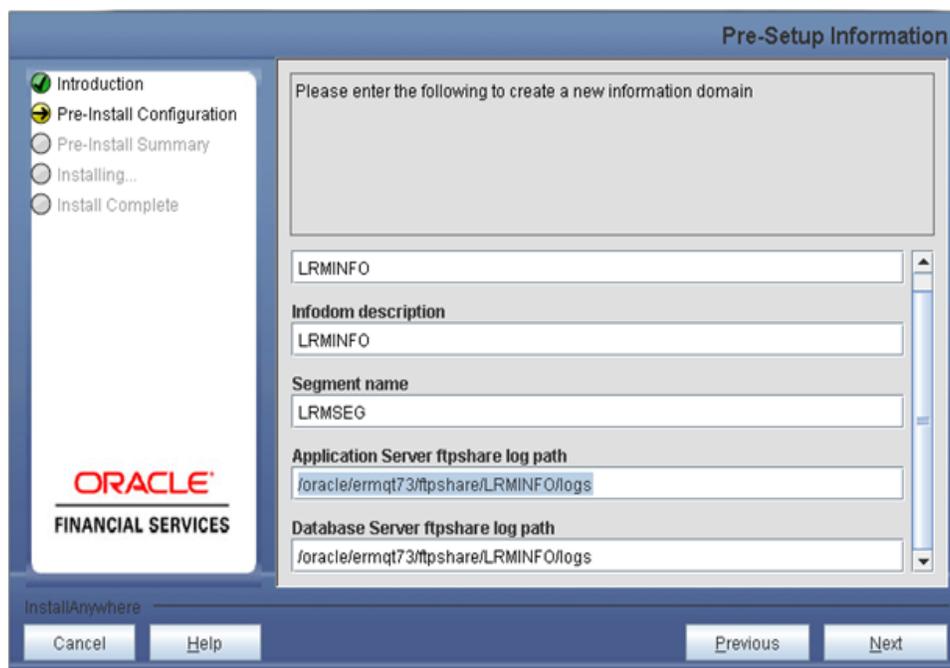


**Figure 7: Database details for the new Infodom**

**Step 7-ii**

In the next screen prompt enter the following details:

- Specify the name and description of the new infodom to be created.
- Specify a segment name to be created.
- Specify the application server and database server log path for infodom maintenance (to be created).



**Figure 8: Infodom details for creation of new Infodom**

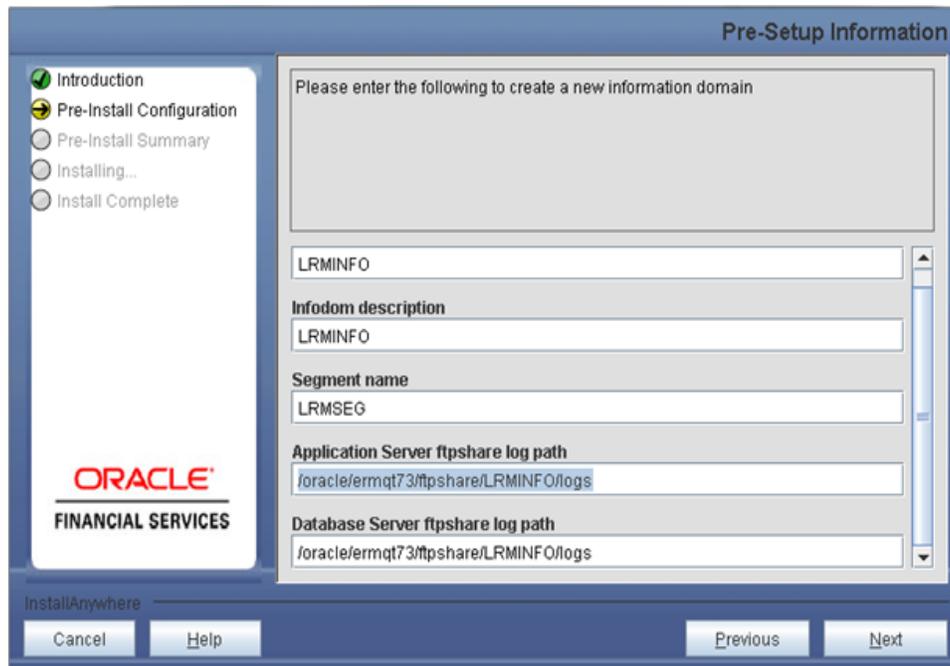
**NOTE:**

The Oracle Financial Services Analytical Applications Infrastructure user must have a role that is able to perform Add/Modify functions for Liquidity Risk Management metadata.

Click **Next** to continue. Check and verify all the details before proceeding to Step 7- iii.

**Step 7-iii**

Click **Next** to continue with the creation of information domain.



**Figure 9: Pre-infodomain Creation Summary**

**Step 8**

If the option Existing Infodomain was selected then update the following details in the screen prompt that is displayed:

**Step 8-i**

- Select the infodomain name from the dropdown list.
- Enter segment code.
- Enter the application schema's TNS name.

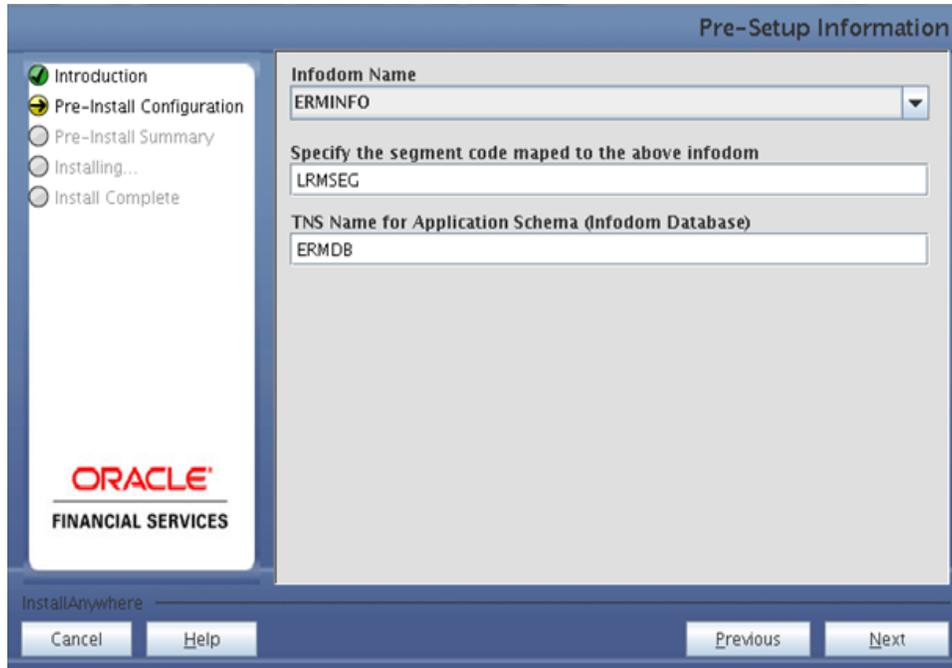


Figure 10: Installation in Progress

### Step 9

Oracle Financial Services Liquidity Risk Management Release 2.0, data model is packaged as part of the application installer and is installed as a part of the following steps, if required.

In the the following screen prompt opt for model upload process through the installer.

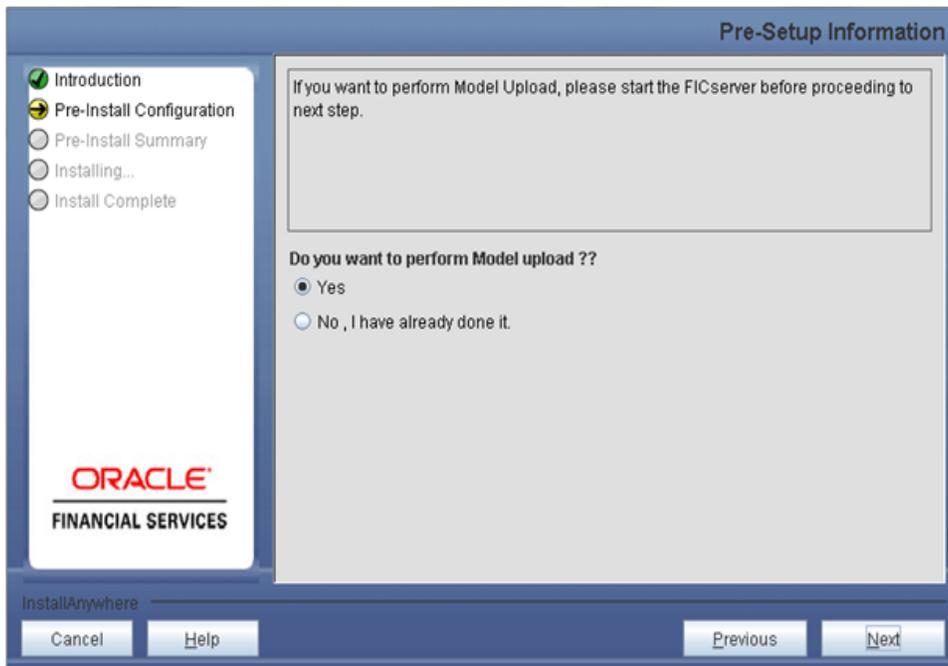


Figure 11: Pre-Setup Information

**NOTE:**

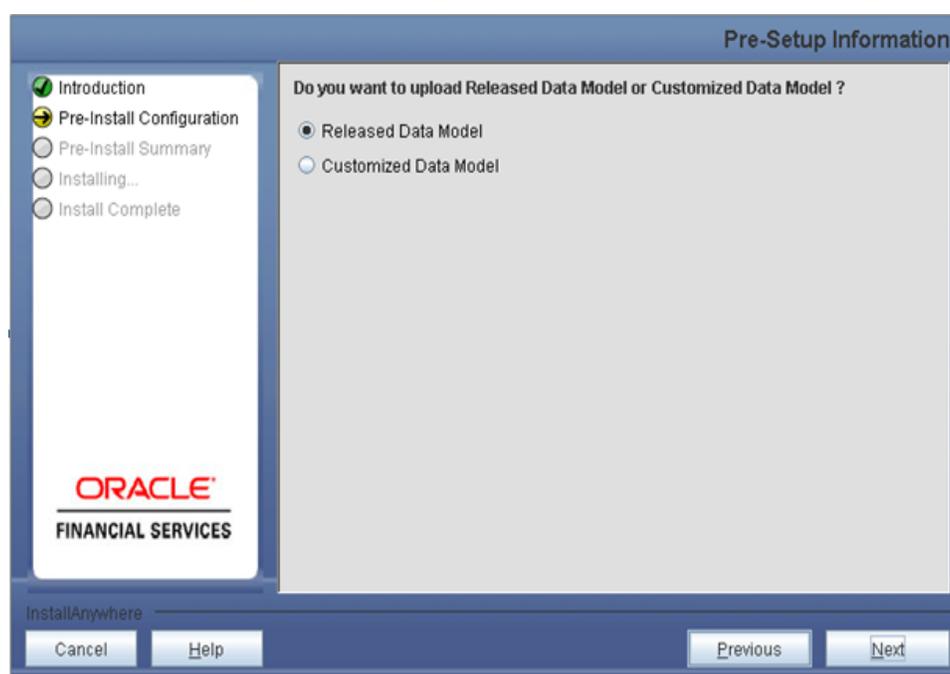
If **Yes** is selected for Data model upload then copy the .xml to a specific folder and rename the file.

Clicking **No** implies that the Oracle Financial Services Liquidity Risk Management model is already uploaded. To proceed with the application model upload process as part of the installation click **Yes**. Click **Next** to proceed.

If you select **No** go to [Step 12](#) or else go to **Step 10**.

**Step – 10**

In the following screen prompt choose whether the released version of the datamodel or the customized datamodel is to be uploaded.



**Figure 12: Pre – Setup information**

If **Released Data Model** option is selected, then the installer uploads the Oracle Financial Services Liquidity Risk Management Release 2.0 data model.

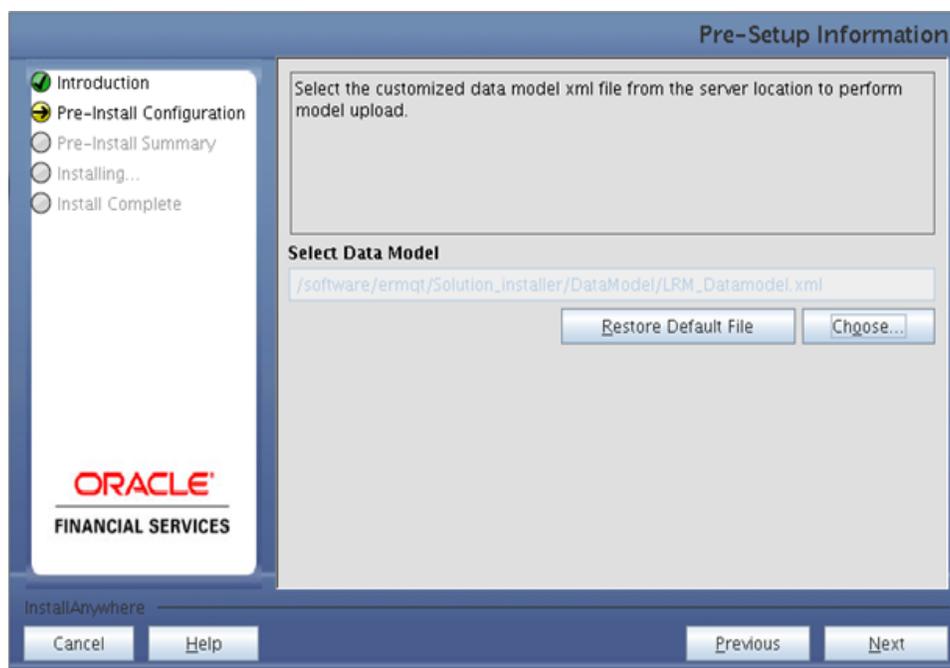
If **Customized Data Model** option is selected, then the installer allows you to select the data model. Choose the desired option.

If **Released Data Model** is selected go to [Step 12](#) or else go to **Step 11**.

Click **Next** to proceed.

**Step – 11**

If the **Customized Data Model** is selected then the following screen prompt is displayed where you can select the customized data model located in the machine.



**Figure 13: Pre – Setup information**

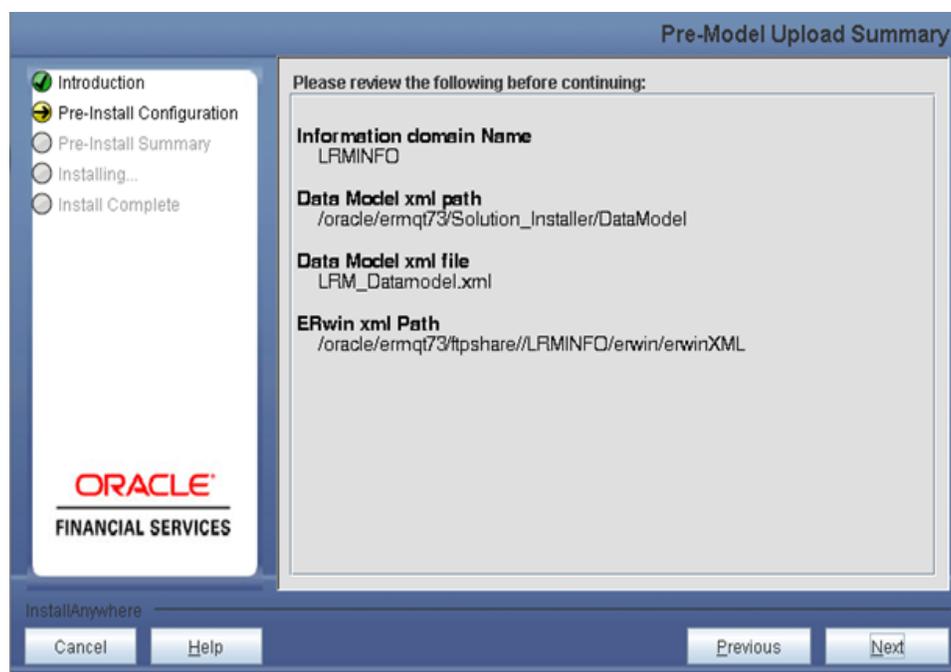
**NOTE:**

The data model .XML file should be available in the server. If the installation is being performed on an existing information domain, the data model to be selected in this screen prompt should be merged with the data model that was previously uploaded in the information domain.

If the installation is performed on a new information domain, data model that is either customized or merged with other data models can be selected in this panel.

**Step – 12**

The following screen prompt displays the premodel upload details:



**Figure 14: Pre – Model Upload Summary**

1. Verify the details before proceeding to the next step.
2. Click **Next** to proceed with model upload.

The time taken for the process of model upload is dependent on the size of the data model and available physical memory in the environment. Till the process is complete no further action can be taken. Also, this step cannot be rolled back.

If the model upload fails, then a pop-up message with relevant errors and the log file path is displayed. Review the errors and take relevant action. After resolution, navigate through to the previous screen and proceed with the steps mentioned above.

**NOTE:**

Some of the common errors are:

- Insufficient heap memory on the client machine.

**Possible reason/resolution:**

The java memory settings in reveleusstartup.sh located in \$FIC\_APP\_HOME/common/FICServer/bin directory should be increased.

- Error while getting the Erwin File path.

**Possible reason/resolution:**

Restart the FICServer.

- Error in Upload Operation

**Possible reason/resolution:**

FAILED WHILE SUPER CATEGORY - SUB CATEGORY RELATIONS HANDLINGDELETING.

Incorrect Erwin.xml file version in \$FIC\_APP\_HOME/common/FICServer/conf directory.

### Step 13

This screen prompt displays all the preinstallation summary. Verify all details and click **Install** to proceed.

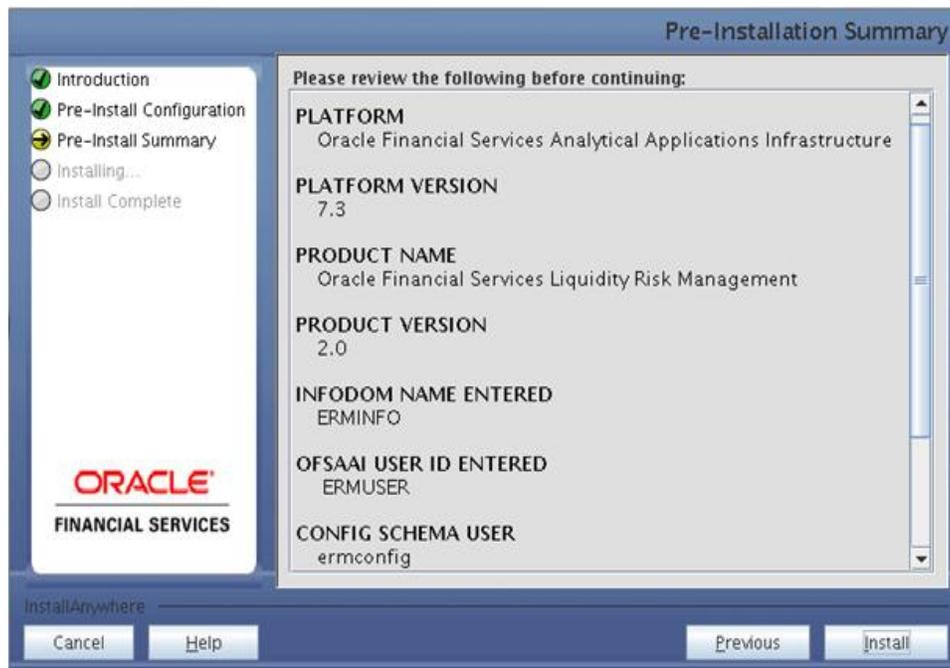


Figure 15: Pre – Install Summary

### Step 14

This screen prompt displays the installation process. To proceed further, wait for the installation to be completed.

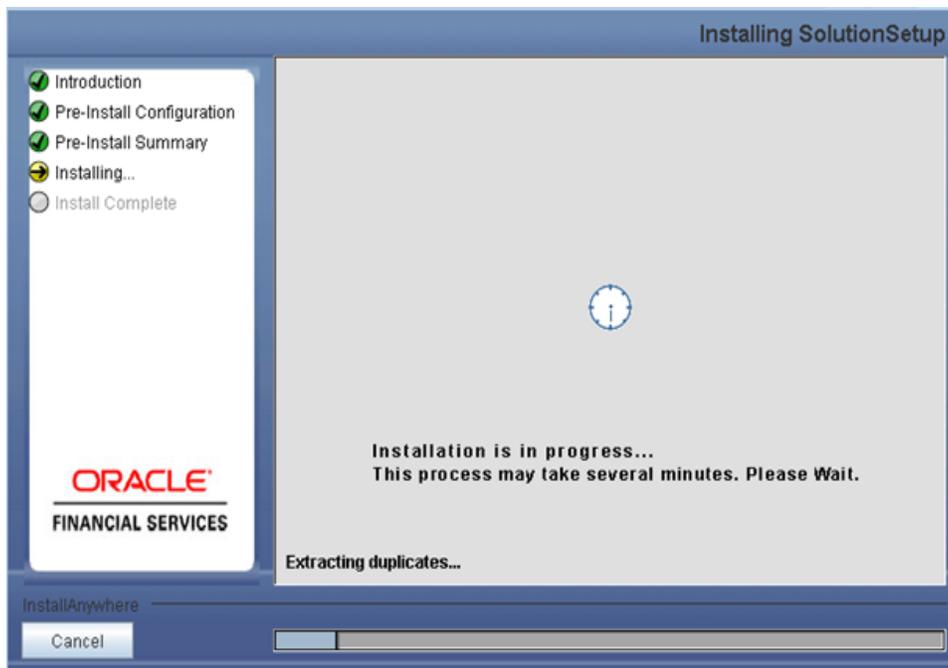


Figure 16: Installation is in progress

**Step 15**

The following screen prompt displays the completion of installation of the Oracle Financial Services Liquidity Risk Management Release 2.0 Setup. Click **Done** to exit.

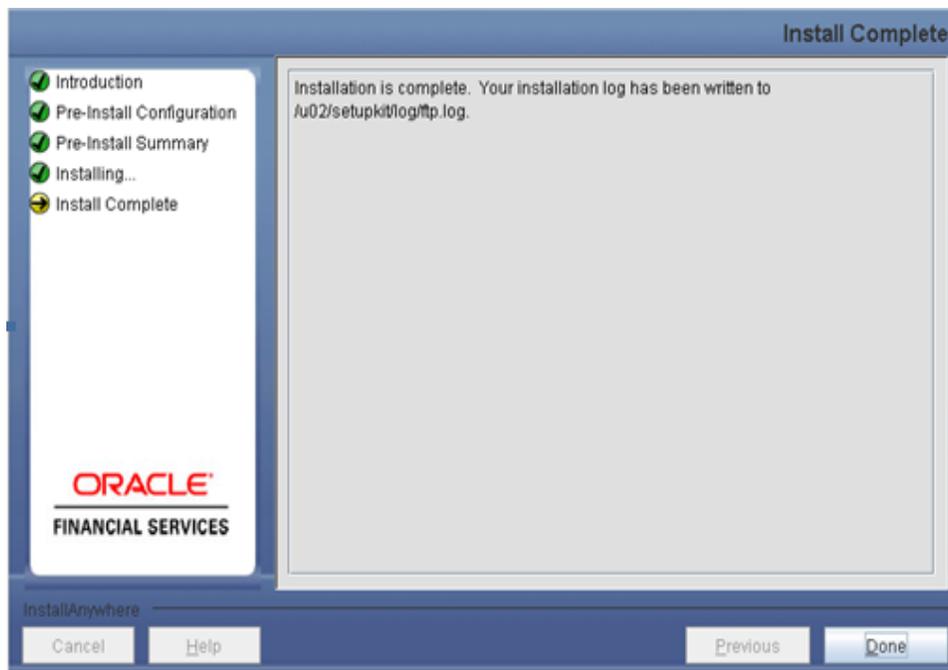
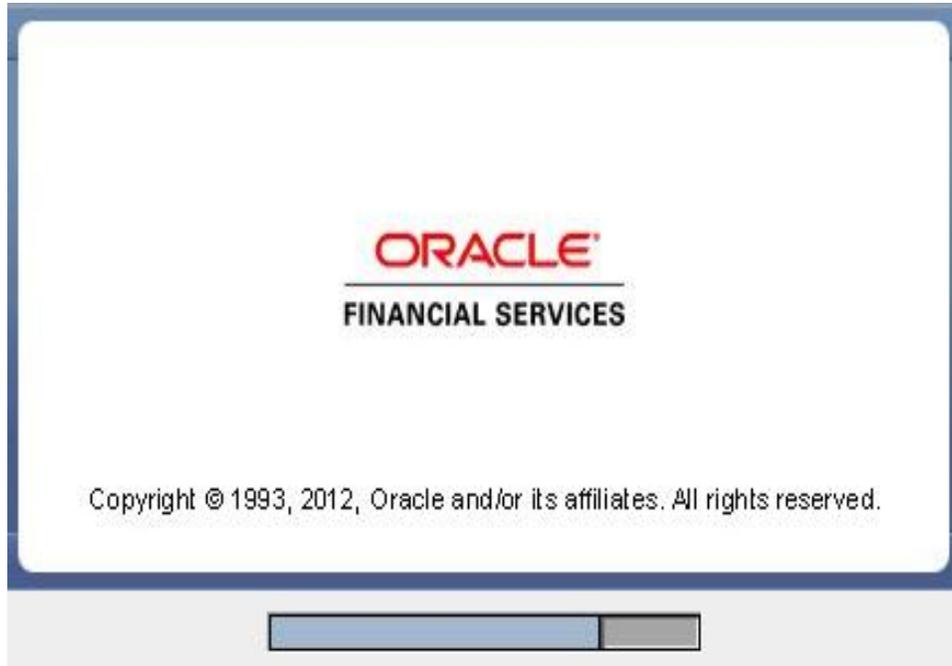


Figure 17: Installation Complete

### 3.2.2 Machine B – Product Database Layer

#### Step 1

To begin with the Oracle Financial Services Liquidity Risk Management Release 2.0 installation, execute **Setup.sh** with the parameter GUI (GUI Installation) or SILENT (for Silent installation).



**Figure 18: Installation Splash Screen**

#### Step 2

Upon loading the installer, the **Introduction** screen displays the prerequisites for installation. Ensure that these prerequisites are met before you proceed.

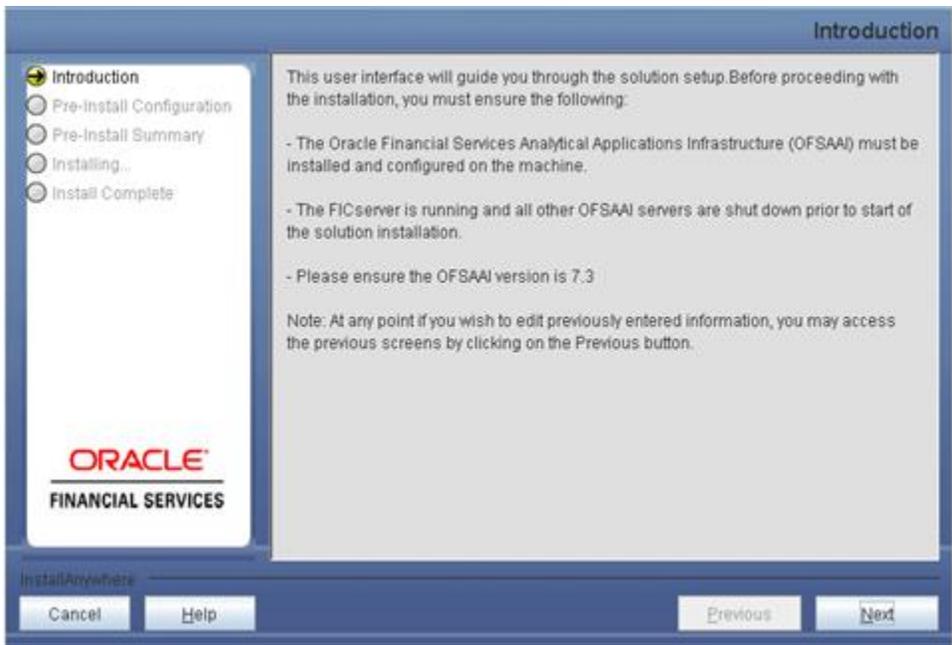


Figure 19: Introduction Screen

**Step 3**

Choose the log mode for this installer. If **Debug** is selected, the debug information will be printed in the Log File.

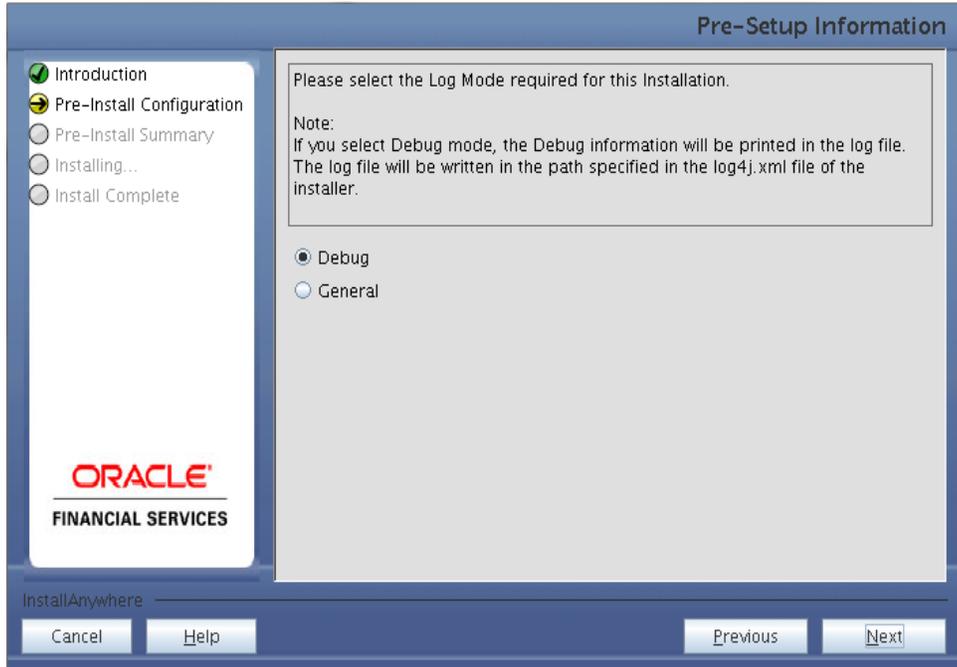
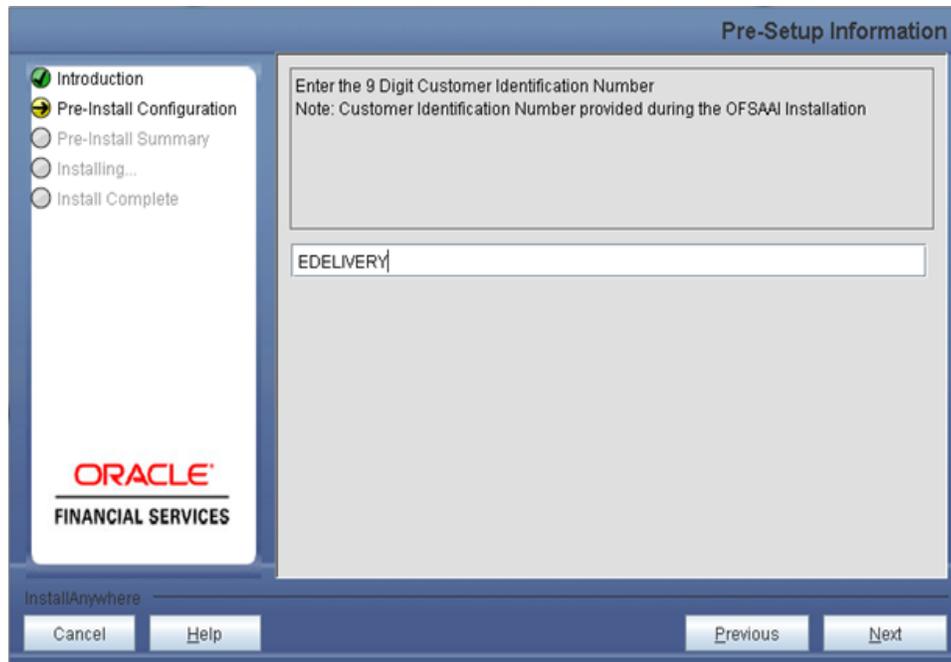


Figure 20: Log Mode Option Screen

**Step 4**

Enter the 9 digit Customer Identification number provided during the OFSAAI installation.



**Figure 21: Customer ID Input Screen**

Click **Next** to continue.

### **Step 5**

The **Pre Setup Information** screen requests for setup information.

Enter the OFSAAI User ID.

Select the appropriate Oracle Financial Services Analytical Applications Infrastructure layer that has been installed on the machine.

Example: **Database Layer**



**Figure 22: Pre Setup Information Screen – Choose Layer to Install**

**NOTE:**

For a single-tier Oracle Financial Services Analytical Applications Infrastructure Release 7.3 installation, you must select Application Layer, Database Layer and Web layer.

For a multitier Oracle Financial Services Analytical Applications Infrastructure Release 7.3 installation, select the corresponding layer installed on the machine.

**Step 6**

Select the infodomain from list of infodomains present in the setup, enter segment code and enter the application schema's TNS name in the following screen prompt.

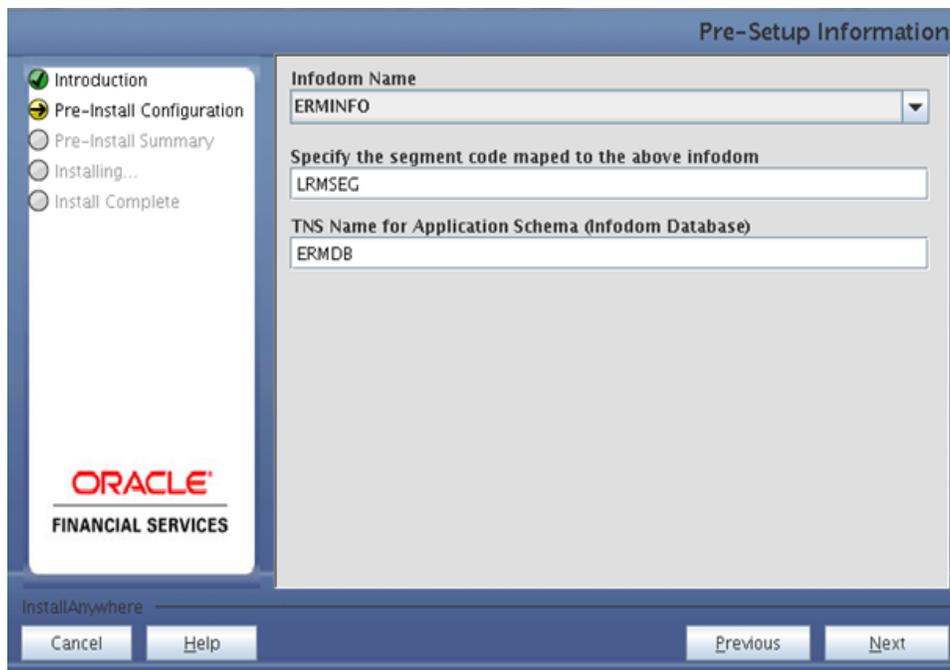


Figure 23: Pre Setup Information Screen – Choose Layer to Install

**Step 7**

This screen prompt summarizes the preinstallation details. Verify all the details and proceed.

Click **Install** to proceed.

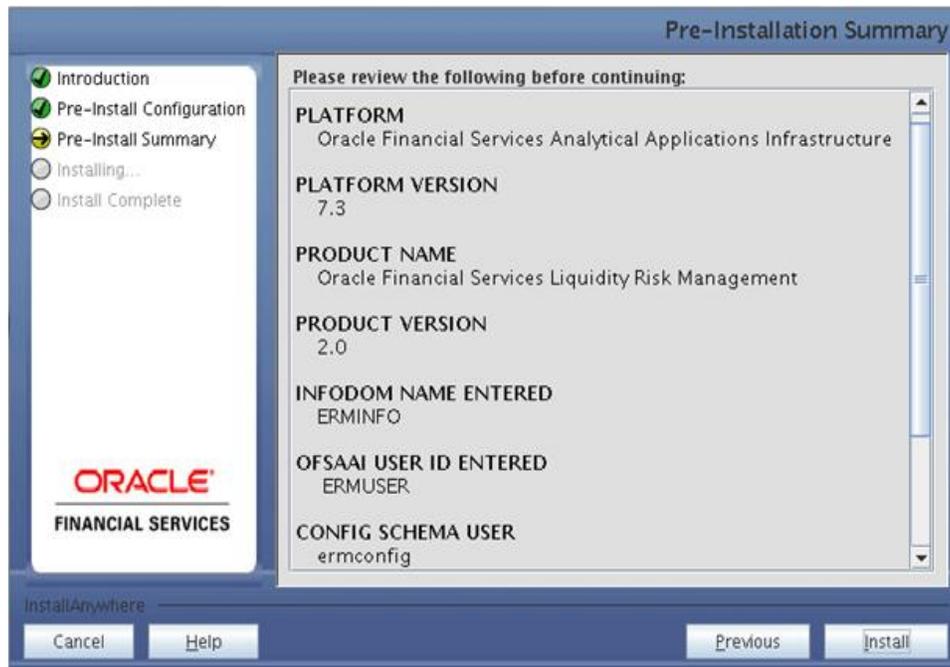
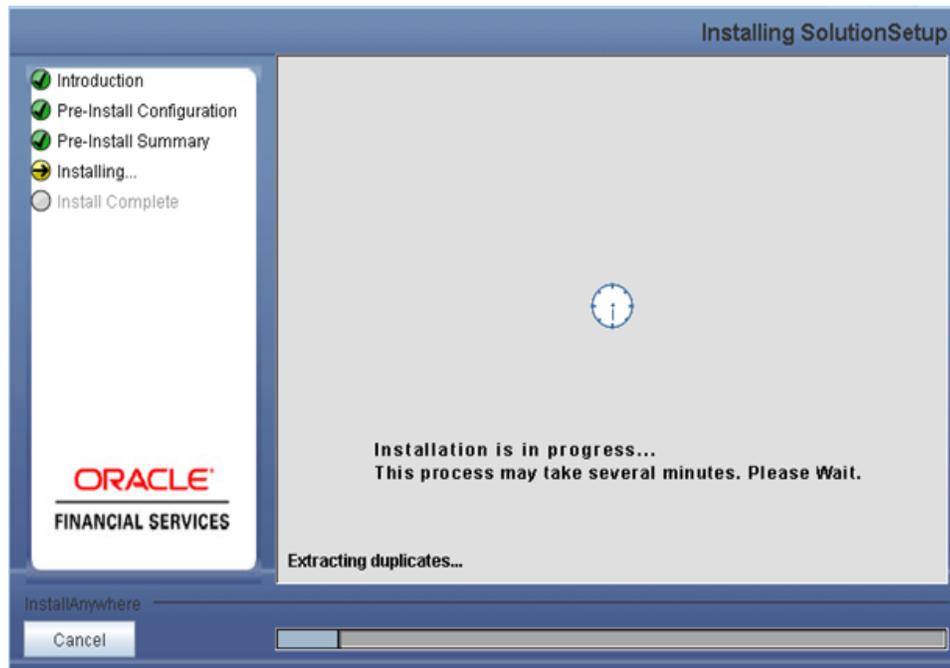


Figure 24: Pre – Install Summary

**Step 8**

This screen prompt displays the installation process. Wait till the installation is complete.



**Figure 25: Installation is in progress**

**Step 9**

The following screen prompt displays the completion of installation of the Oracle Financial Services Liquidity Risk Management Release 2.0 setup.

Click **Done** to exit.

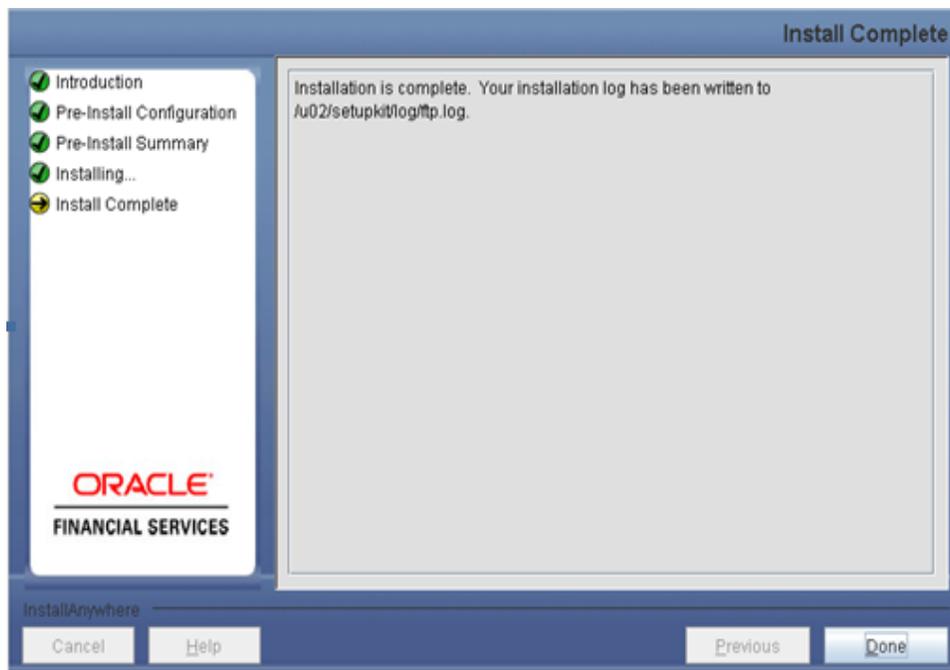


Figure 26: Installation Complete

### 3.2.3 Machine C – Product Web Layer

#### Step 1

To begin with the Oracle Financial Services Liquidity Risk Management Release 2.0 installation, execute **Setup.sh** with the parameter GUI (GUI Installation) or SILENT (for Silent installation).



Figure 27: Installation Splash Screen

## Step 2

Upon loading the installer, the **Introduction** screen will display the prerequisites for installation. Ensure that these prerequisites are met before you proceed.

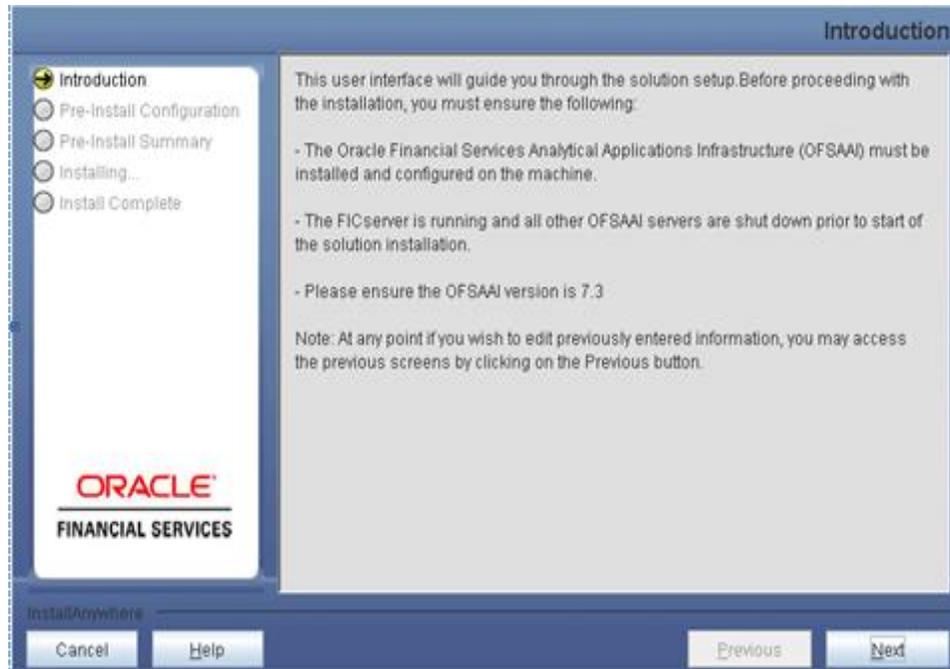


Figure 28: Introduction Screen

## Step 3

Choose the log mode for this installer. If **Debug** is selected, the debug information will be printed in the Log File.

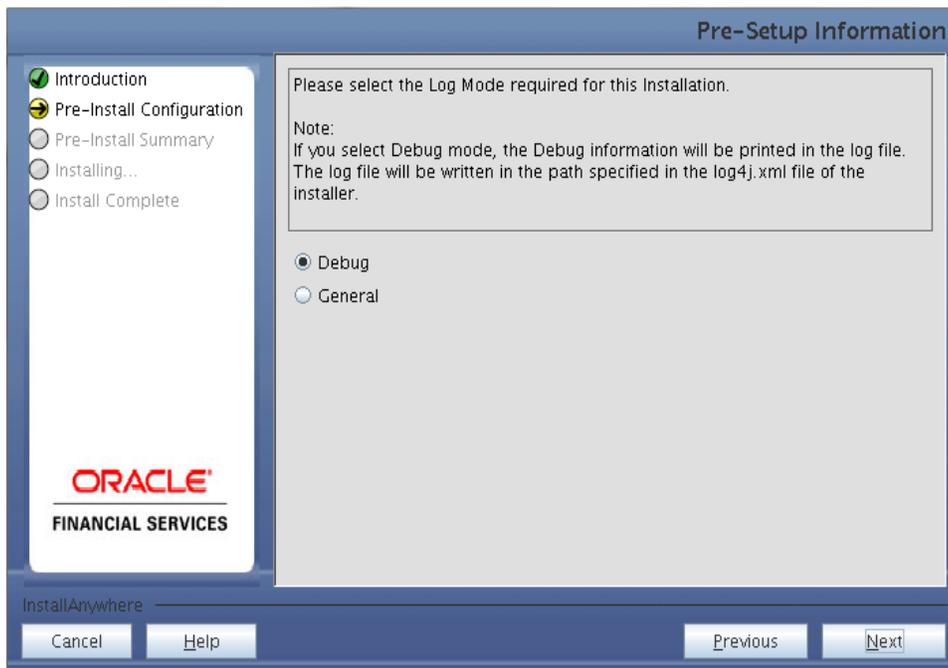


Figure 29: Log Mode Option Screen

**Step 4**

Enter the 9 digit Customer Identification number provided during the OFSAAI installation.

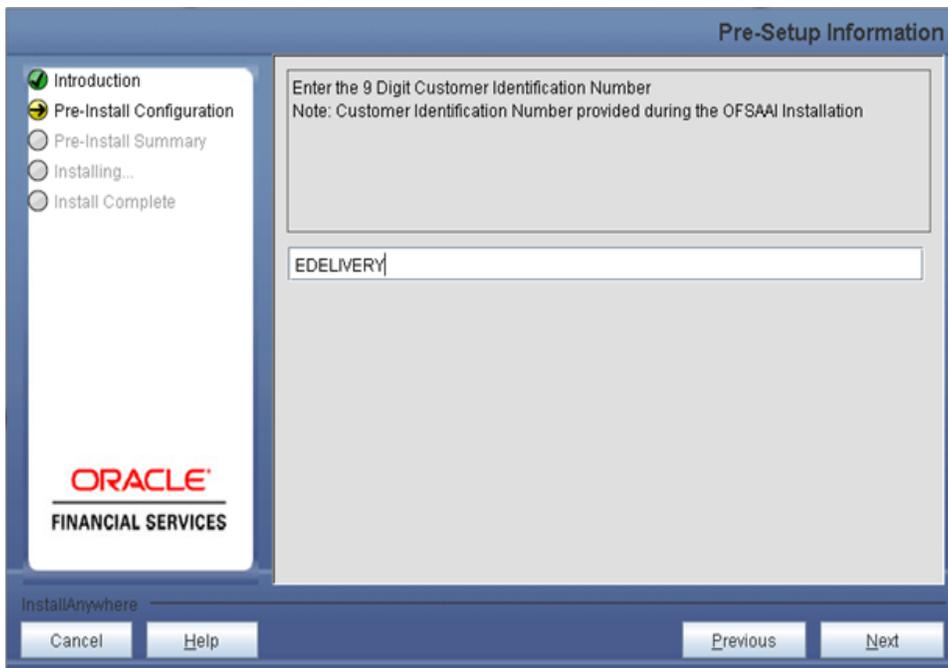


Figure 30: Customer ID Input Screen

Click **Next** to continue.

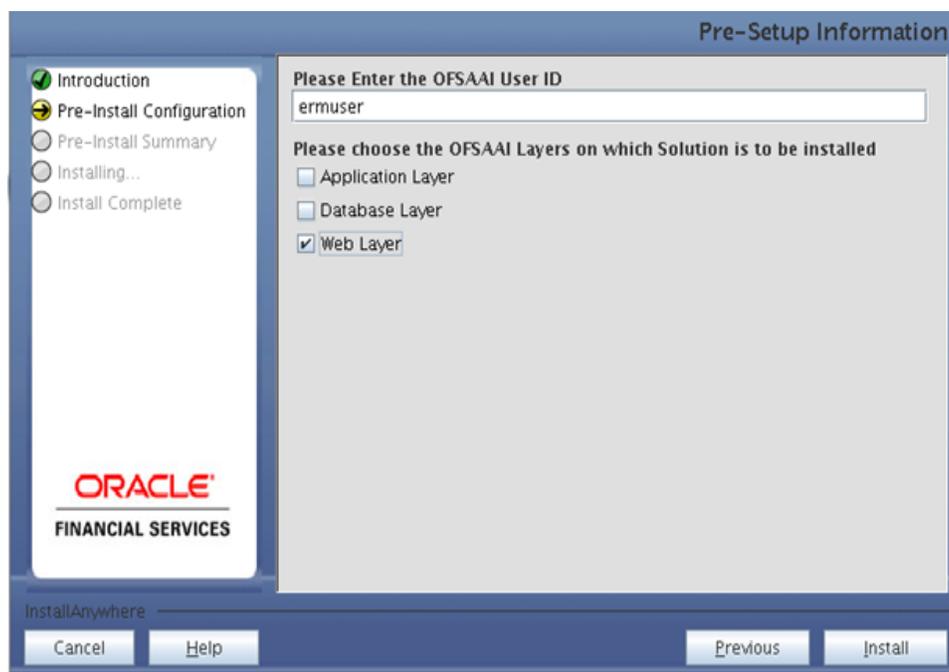
## Step 5

The **Pre Setup Information** screen requests for setup information.

Enter the OFSAAI User ID.

Select the appropriate Oracle Financial Services Analytical Applications Infrastructure layer that has been installed on the machine.

Example: **Web Layer**



**Figure 31: Pre Setup Information Screen – Choose Layer to Install**

### NOTE:

For a single-tier Oracle Financial Services Analytical Applications Infrastructure Release 7.3 installation, you must select Application Layer, Database Layer and Web layer.

For a multitier Oracle Financial Services Analytical Applications Infrastructure Release 7.3 installation, select the corresponding layer installed on the machine.

## Step 6

Select the infodom from list of infodoms present in the setup, enter segment code and enter the application schema's TNS name in the following screen prompt.

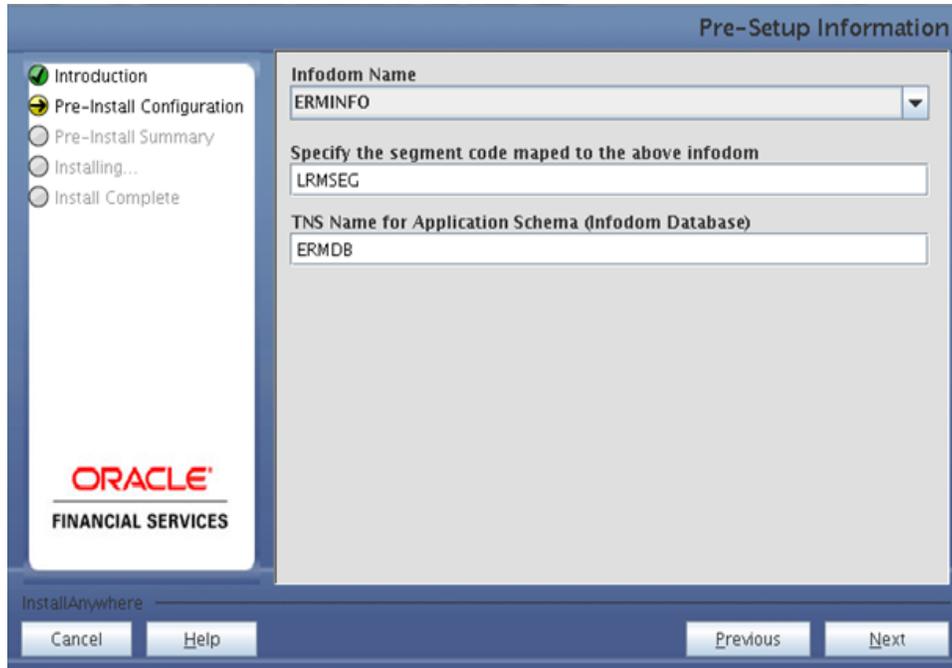


Figure 32: Pre Setup Information Screen – Choose Layer to Install

**Step 7**

This screen prompt summarizes the preinstallation details. Verify all the details and proceed.

Click **Install** to proceed.

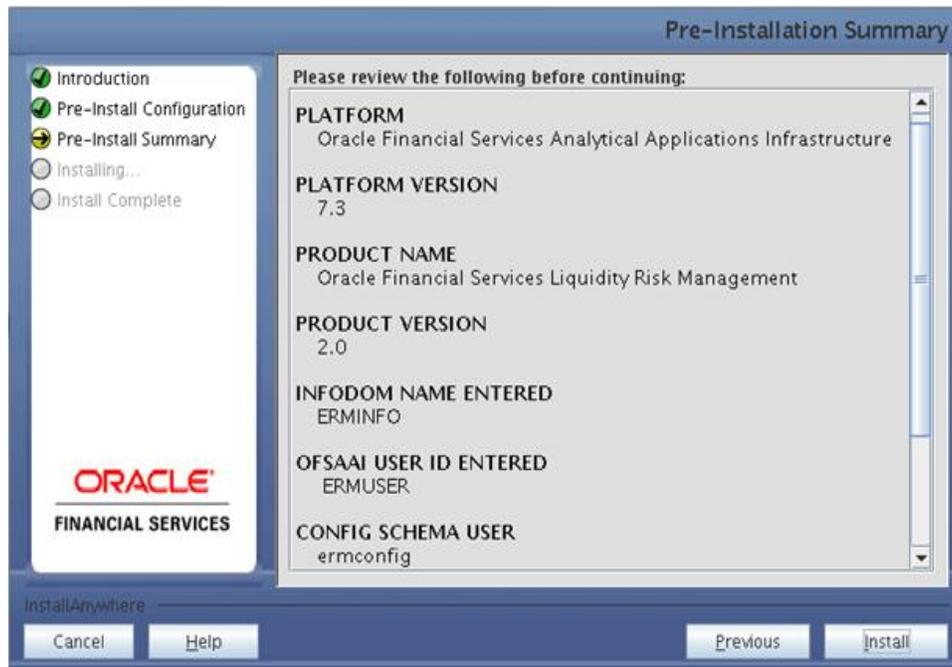


Figure 33: Pre – Install Summary

**Step 8**

This screen prompt displays the installation process. Wait till the installation is complete.

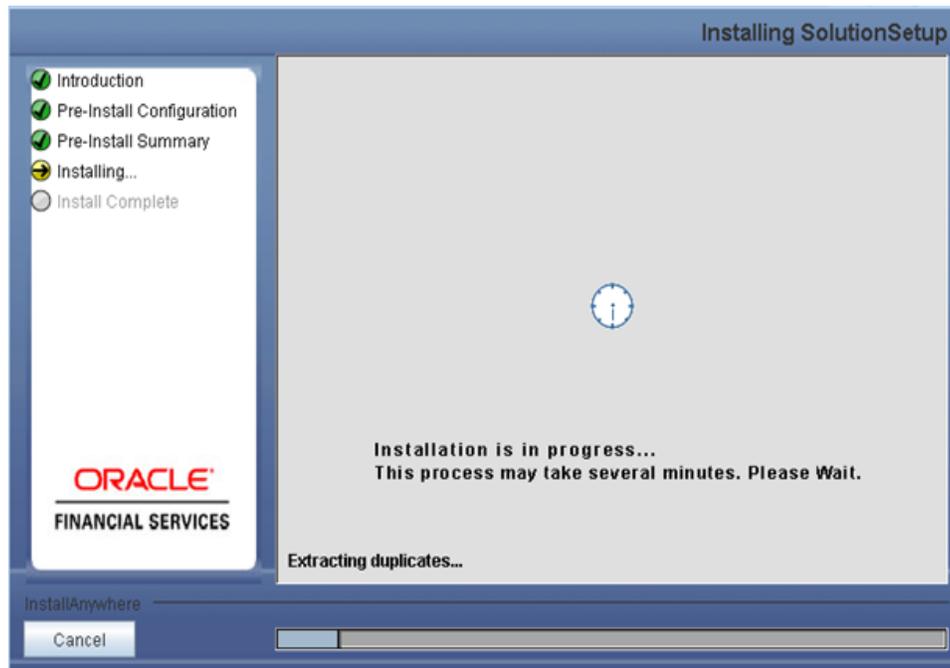


Figure 34: Installation is in progress

### Step 9

The following screen prompt displays the completion of installation of the Oracle Financial Services Liquidity Risk Management Release 2.0 setup. Click **Done** to exit.

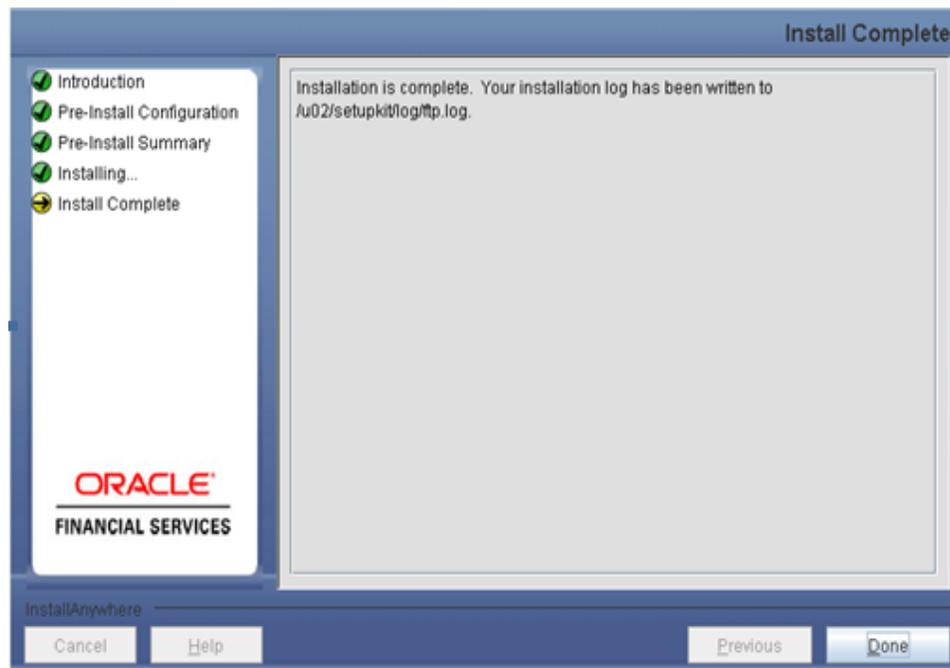


Figure 35: Installation Complete

### 3.3 OFS Liquidity Risk Management Release 2.0 Installation- Silent Mode

Silent installation is achieved through a properties file [silent.props] that must be updated with proper values, before attempting to install using the silent mode.

- Copy the setup.sh, setup.bin and silent.props to the layer(s) in which the installation has to be done.
- Edit the file “Silent.props” and specify the parameters as per the requirements.
- Execute Setup.sh with command line argument as SILENT, that is, **Setup.sh SILENT**, to start the installer

The following table lists all the properties that need to be specified:

Property Name	Description of Property	Permissible values	Comments
LOG_MODE	Mode for logging	0 = Debug, 1= General	Optional; Default 0
CUSTOMER_ID	Customer id specified while installing OFSAAI	Not Applicable	MANDATORY
BATCH_USER	OFSAAI User ID, the ID we used to execute the batches or runs.	Not Applicable	MANDATORY
INSTALL_APP	Install Application-tier components be installed	0 = No, 1= Yes	Default : 0
INSTALL_DB	Install database-tier components	0 = No, 1= Yes	Default : 0
INSTALL_WEB	Install web-tier components	0 = No, 1= Yes	Default : 0
INFODOM_TYPE	New Infodom or Existing Infodom	0 = New, 1=Existing	# Specify Infodom Type. Mandatory if this an App Layer Installation i.e. you have specified INSTALL_APP=1
INFODOM_NAME	Name of Infodom	Not Applicable	MANDATORY
INFODOM_DESC	description for the Database Schema for new Infodom	Not Applicable	# Mandatory if this an App Layer Installation and if you want to create a new infodom
SEGMENT_NAME	Name of Segment	Not Applicable	MANDATORY
APPL_TNS	TNS Name of the Infodom database	Not Applicable	MANDATORY
APPL_USER	User-id of the Database Schema for	Not Applicable	# Mandatory if this an App Layer Installation and if you want to create a new infodom i.e you have specified

Property Name	Description of Property	Permissible values	Comments
	new Infodom		INSTALL_APP=1 and INFODOM_TYPE=0
APPL_PWD	Password of the Database Schema for new Infodom	Not Applicable	# Mandatory if this an App Layer Installation and if you want to create a new infodom i.e you have specified INSTALL_APP=1 and INFODOM_TYPE=0
APPL_URL	JDBC Connection String of the the Database Schema for new Infodom	Not Applicable	# Mandatory if this an App Layer Installation and if you want to create a new infodom i.e you have specified INSTALL_APP=1 and INFODOM_TYPE=0
APPFTP_LOG_PATH	Infodom Maintenance log path(to be created) for the new Infodom for applayer	Not Applicable	# Mandatory if this an App Layer Installation and if you want to create a new infodom i.e you have specified INSTALL_APP=1 and INFODOM_TYPE=0
DBFTP_LOG_PATH	Infodom Maintenance log path(to be created) for the new Infodom for DBLayer	Not Applicable	# Mandatory if this an App Layer Installation and if you want to create a new infodom i.e you have specified INSTALL_APP=1 and INFODOM_TYPE=0
UPLOAD_MODEL	If you want to perform Model Upload	0 = No, 1= Yes	Mandatory if INSTALL_APP=1
MODEL_TYPE	Released datamodel or customized datamodel	0 = released, 1= customized	Mandatory if INSTALL_APP=1
DM_DIRECTORY	The filename for customized data model	Not applicable	# Mandatory only if you want to upload the customized datamodel i.e you have specified MODEL_TYPE=1
DATAMODEL	The path for the customized data model	Not applicable	# Mandatory only if you want to upload the customized datamodel i.e you have specified MODEL_TYPE=1

### 3.4 Post Installation Activities

#### OFSAAI Server Memory Configuration

The OFSAAI Application Server is started using `reveusstartup.sh`. This file can be edited for setting customized memory settings, garbage collector settings depending on the available hardware configuration. You are requested to contact OFSAAI Support at <https://flexsupp.iflexsolutions.com/> for guidance in altering the memory settings.

Once the installation of Oracle Financial Services Liquidity Risk Management Release 2.0 Application is completed, refer to the following activities:

- The following tags needs to be added manually in `RevLog4jConfig.xml` present in the

setup under \$FIC\_WEB\_HOME/webroot/conf/RevLog4jConfig:

**NOTE:**

Replace the place holder "##FIC\_PHYSICAL\_HOME##" in \$FIC\_WEB\_HOME/webroot/conf/RevLog4jConfig.xml with the param-value of the param-name 'FIC\_PHYSICAL\_HOME\_LOC' in the web.xml under the path \$FIC\_WEB\_HOME/webroot/WEB-INF

**Before this tag:**

```
</log4j:configuration>
```

**Add the following tag:**

```
<appender name="LRMAPPENDER"
class="org.apache.log4j.RollingFileAppender">
    <param name="File" value="##DEPLOYED_APTH##/LRM.log"/>
    <param name="Append" value="true"/>
    <param name="MaxFileSize" value="500KB"/>
    <param name="MaxBackupIndex" value="5"/>
    <layout class="org.apache.log4j.PatternLayout">
        <param name="ConversionPattern" value="[%d{dd-MM-yy
HH:mm:ss aa}] ~ %-5p ~ %c ~ %m %n"/>
    </layout>
    <filter class="org.apache.log4j.varia.LevelRangeFilter">
        <param name="LevelMin" value="DEBUG" />
    </filter>
</appender>
<logger additivity = "false" name="LRM">
    <appender-ref ref="LRMAPPENDER"/>
</logger>
```

- The following tags needs to be added manually in web.xml present in the setup under \$\$FIC\_WEB\_HOME/webroot/WEB-INF:

```
<servlet>
<servlet-name>CBServlet</servlet-name>
<servlet-class>com.ofs.lrm.CBServlet</servlet-class>
</servlet>
<servlet>
<servlet-name>RMServlet</servlet-name>
<servlet-class>com.ofs.lrm.RMServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>CBServlet</servlet-name>
<url-pattern>/lrst/CounterBalancing/CBServlet</url-pattern>
</servlet-mapping>
<servlet-mapping>
    <servlet-name>CBServlet</servlet-name>
    <url-pattern>/lrst/common/CBServlet</url-pattern>
</servlet-mapping>
<servlet-mapping>
    <servlet-name>RMServlet</servlet-name>
    <url-pattern>/lrst/LRRunManagement/RMServlet</url-pattern>
</servlet-mapping>
```

- The following tag should be added manually in web.xml if not already present in web.xml:

```
<resource-ref>
<description>DB Connection <Infodom Name></description>
<res-ref-name>jdbc</infodom></res-ref-name>
<res-type>javax.sql.DataSource</res-type>
<res-auth>Container</res-auth>
</resource-ref>
```

**After this tag:**

```
<!-- Session Listener -->
```

**Add the following tag:**

```
<listener>
  <listener-class>
  com.iflex.reveleus.oprisk.session.SessionListener
  </listener-class>
</listener>
<listener>
  <listener-class>
  com.ofs.lrm.session.SessionTempDataHandler
  </listener-class>
</listener>
```

- Create a connection pool in the infodom. *For more information refer to the OFSAAI 7.3 platform installation manual.*
- Map the domain segment names to a particular user group manually.
- Role “LRSTROLE” and “Mapper” should be mapped to OFSAAI user group. This step should be followed to get the links of “Liquidity Risk Management” and “Limit Management”.
- LRM screens will not be available for edition, view, and delete or execution mode for user by default. User has to create appropriate roles and map to the user group to access the functionality.
- Copy the file `jaxrpc.jar` from the path `<OFSAAI Install Directory>/axis-1_4/webapps/axis/WEB-INF/lib` to `<OFSAAI Install Directory>/ficweb/webroot/WEB-INF/lib` (applicable if the web server is Tomcat).
- Create and deploy the war file into web server. *For more information on deploying the war file refer the OFSAAI v7.3 Installation manual.*
- Start all OFSAAI Servers.
- Start the web server after deployment.
- Refer Starting OFSAAI Servers in the Installation Guide for assistance in starting the servers.
- Re-save all the Hierarchies and the other metadata in OFSAAI.
- Recompile all the Functions, procedures and views.
- The log for resaving hierarchies can be found under `$FIC_APP_HOME/common/FICServer/logs/ResaveLog.log`.
- If ALM is installed in the setup then fire the below query in the config schema.
  - `update setupinfo set appname='ALM' where appname='%ALM%'`

**NOTE:**

Ignore the following error in the log:

*Error:ORA-00942: table or view does not exist*

*ORA-00001: unique constraint (PK\_REV\_BIHIER) violated*

*ORA-00955: name is already used by an existing object*

The Oracle Financial Services Liquidity Risk Management Release 2.0 Application is now ready to be used.

**NOTE:**

Creation of ETL Source Applications – LRM\_APP, FSAPPS is performed by the installer.

Creation of the ETL data sources LRM2\_SRC and STAGING - an RDBMS Sources - pointing to the atomic (Infodom) database to hold the ETL Definitions, is performed by the installer.

Mapping of the data sources to the applications; data source LRM2\_SRC to application LRM\_APP and STAGING to application FSAPPS is performed by the installer.

If you encounter any problems during setup, please contact OFSAA Support at <https://flexsupp.iflexsolutions.com/>.



Installation Manual  
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Oracle Financial Services Liquidity Risk Management, Release 2.0  
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