Installation Manual
Oracle Financial Services Liquidity Risk Management
Release 3.0.0.0.0
August 2014

Document Control

Version Number	Revision Date	Changes Done
Version 3.0.0.0.0	Revised on August 2014	Updated the changes for LRM Release 3.0.0.0.0
Created and Edited by: Dilip	Reviewed By : Ranjit Pallerlamudi	Approved by : Kumaran Krishnan

Executive Summary

The document consists of all the installation, Pre and Post configuration procedures which have been structured considering all the 3.0.0.0.0 enhancements. You can find the latest copy of this document in OTN library which includes all the recent additions/revisions (if any) done till date.

Before you begin the installation, ensure that you have an access to Oracle Support Portal with the required login credentials to quickly notify us for any specific issues. You can obtain one by contacting Oracle Support.

Table of Contents

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 Applications like Oracle Financial Services Liquidity Risk Management are pre-packaged on OFSAAI and are ready to install.

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 3.0.0.0.0, in an existing OFSAAI 7.3.5.0.0 Platform hosted on RHEL 5.5 / 5.8 - Oracle Linux 5.5 / 5.8 Server – Oracle 11g R2 (11.2.0.3.0) – Web logic 10.3.5.0 / Tomcat 7.0.19 – 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 3.0.0.0.0.
- 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 3.0.0.0.0.

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 pre-requisite, 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.*

- Infrastructure version 7.3.5.0.0 should be installed and one-off patch (18157182) should be applied, which can be downloaded from Oracle Support. Refer *Patches and Updates* section.

2.1 Environment

RHEL 5.5 / 5.8 – Oracle Linux 5.5 / 5.8 - Oracle 11g R2 (11.2.0.3.0) - Web logic 10.3.5.0 / Tomcat 7.0.19 (64 bit)

Type	Description
OS	• Red Hat Enterprise Linux Server release 5.8 (Tikanga) - 64 bit • Oracle Linux Server release 5.8 (Carthage) - 64 bit • Red Hat Enterprise Linux Server release 5.5 (Tikanga) - 64 bit • Oracle Linux Server release 5.5 (Carthage) - 64 bit
Infrastructure Application Server	• Oracle Client 11g R2 (11.2.0.3.0) - 64 bit • Sun JDK Standard Edition 1.6.0_25 - 64 bit • Sun JRE Standard Edition 1.6.0_25 - 64 bit
Infrastructure Database Server	• Oracle Database Server 11g Release 2 (11.2.0.3.0)-64 bit • Sun JRE Standard Edition 1.6.0_25 - 64 bit • Sun JDK Standard Edition 1.6.0_25 - 64 bit

Type	Description
Infrastructure Web Server	• Oracle 11g R2 (11.2.0.3.0) JDBC driver (Oracle thin driver) • Sun JRE Standard Edition 1.6.0_25 - 64 bit • Sun JDK Standard Edition 1.6.0_25 - 64 bit • Web logic 10.3.5.0 with JDK Standard Edition 1.6.0_25 -64 bit • Apache Tomcat 7.0.19 pointing to JDK Standard Edition 1.6.0_25 - 64 bit **Note the following**: Any one of the above mentioned web servers (Web logic, or Apache Tomcat) installation is required based on the requirement.

NOTE:

The Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 installer download contains the Erwin XML file only, which is required for uploading the model. This file is sufficient to install the application. However, you cannot open the XML file in the ERwin data modeler tool due to which it cannot be used for any data model customizations. The ERwin file can be made available on request through Oracle Support. This file can be used for any type of customizations of the data model.

2.2 Generic Software

Type	Description
Other Software	OFSAAI is certified on both OPEN LDAP 2.2.29+ and Oracle Internet Directory v11.1.1.3.0. Ensure that you have installed any one of the following for OFSAAI authentication purposes. **Note**: OPEN LDAP needs to be installed on Microsoft Windows machine only. Hummingbird **Exceed** 7.0 has to be installed on a Microsoft Windows machine as a simulator for remote installation. **Note**: Hummingbird Exceed is required for GUI Mode of installation.
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. • Enable caching of static content (static files, images, CSS, etc) for browser client. • Cookies should be disabled.

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 7.3.5.0.0 must be successfully installed on RHEL 5.5 / 5.8 - Oracle Linux 5.5 / 5.8 Server – Oracle 11g R2 (11.2.0.3.0) – Web logic 10.3.5.0 / Tomcat 7.0.19 – 64 bit environment.

  NOTE:

  Refer the *Appendix B section in the OFSAAI 7.3.3.0.0 Installation Guide* for customized memory settings for model upload, depending on the available hardware configuration. For guidance in altering the memory settings contact Oracle Support.

- 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.
- Default and Temporary table space assigned to atomic schema user should be allocated with required space.
- 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.

  NOTE:

  Ensure that FIC Server is up before executing the file.

- Add an Atomic schema TNS entry to TNSNames.ora.
- The following grants must be given to atomic schema user:
  - grant create session 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 any index to <<ATOMIC_USER>>
- grant create trigger to <<ATOMIC_USER>>
- grant create synonym to <<ATOMIC_USER>>
- grant debug connect session to <<ATOMIC_USER>>
- grant debug any procedure to <<ATOMIC_USER>>
- grant create any materialized view to <<ATOMIC_USER>>

- The following grants must be given from Config User to Atomic User:
  - grant select on PR2_OBJECT_TL to <<ATOMIC_USER>>
  - grant select on PR2_OBJECT_TYPES to <<ATOMIC_USER>>
  - grant select on CSSMS_USR_PROFILE to <<ATOMIC_USER>>
  - grant select on CSSMS_ROLE_MAST to <<ATOMIC_USER>>
  - grant select on CSSMS_GROUP_MAST to <<ATOMIC_USER>>
  - grant select on CSSMS_FUNCTION_MAST to <<ATOMIC_USER>>
  - grant select on CSSMS_USR_GROUP_MAP to <<ATOMIC_USER>>
  - grant select on CSSMS_USR_GROUP_DSN_SEG_MAP to <<ATOMIC_USER>>
  - grant select on CSSMS_ROLE_FUNCTION_MAP to <<ATOMIC_USER>>
  - grant select on CSSMS_GROUP_ROLE_MAP to <<ATOMIC_USER>>
  - grant select on CSSMS_SEGMENT_MAST to <<ATOMIC_USER>>
  - grant select on BATCH_TASK to <<ATOMIC_USER>>
  - grant select on CSSMS_USR_DSN_SEG_MAP to <<ATOMIC_USER>>
  - grant select on CSSMS_USR_ROLE_MAP to <<ATOMIC_USER>>
  - grant select on CSSMS_METADATA_SEGMENT_MAP to <<ATOMIC_USER>>
  - grant select on BATCH_RUN to <<ATOMIC_USER>>
  - grant select on PR2_FILTERS to <<ATOMIC_USER>>
  - grant select on PR2_TASK_FILTER to <<ATOMIC_USER>>
  - grant select on PR2_TASK_FILTER_DETAIL to <<ATOMIC_USER>>
  - grant select on ST_STRESS_MASTER to <<ATOMIC_USER>>
  - grant select on ST_SCENARIO_MASTER to <<ATOMIC_USER>>
  - grant select on ST_SHOCK_MASTER to <<ATOMIC_USER>>
  - grant select on BATCH_MASTER to <<ATOMIC_USER>>
  - grant select on ICC_MESSAGELOG to <<ATOMIC_USER>>
  - grant select on PR2_MASTER to <<ATOMIC_USER>>
  - grant select on PR2_RUN_REQUEST to <<ATOMIC_USER>>
  - grant select on pr2_rule_map to <<ATOMIC_USER>>
  - grant select on pr2_rule_map_pr to <<ATOMIC_USER>>
  - grant select on pr2_rule_map_pr_tmp to <<ATOMIC_USER>>

- grant select on pr2_rule_map_exclude to <<ATOMIC_USER>>
- grant select on pr2_rule_map_exclude_pr to <<ATOMIC_USER>>
- grant select on pr2_rule_map_exclude_pr_tmp to <<ATOMIC_USER>>
- grant select on pr2_run_object to <<ATOMIC_USER>>
- grant select on pr2_run_object_member to <<ATOMIC_USER>>
- grant select on pr2_run_map to <<ATOMIC_USER>>
- grant select on pr2_run_execution_b to <<ATOMIC_USER>>
- grant select on pr2_run_execution_filter to <<ATOMIC_USER>>
- grant select on pr2_firerun_filter to <<ATOMIC_USER>>
- grant select on pr2_filters to <<ATOMIC_USER>>
- grant select on configuration to <<ATOMIC_USER>>
- grant select on batch_parameter to <<ATOMIC_USER>>
- grant select on component_master to <<ATOMIC_USER>>
- grant select on FORMS_LOCALE_MASTER to <<ATOMIC_USER>>
- grant select on setupinfo to <<ATOMIC_USER>>
- grant select on LOCALEREPOSITORY to <<ATOMIC_USER>>

- Update the server details if you are installing an OFSAAI product for the first time. Click **Server Details** under **System Configuration** in the LHS menu of the OFSAAI User Interface and update the Database Server, Application Server, and Web Server.
- Copy all the contents of the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 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.
- Specify the log file path and name in the log4j.xml. Update the value attribute highlighted in the following xml:

```
<?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="/<installer components copied
directory>/installer.log"/>

 <param name="Append" value="true"/>
```

- Ensure the path given in the log4j.xml file has read, write or execute permission.
- Ensure FICServer is up and running before proceeding for installation, and all other servers should be down.
- 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;

- Check for `"export LDR_CNTRL=MAXDATA=0x40000000"` in the .profile, if present then comment it and execute the .profile then trigger the Setup.sh.
- Following data model related information needs to be addressed, if any OFSAA application is going to be installed on the existing infodom where already other OFSAA applications are installed.
  - You have the option either to do an incremental or a sliced model upload.
  - If you opt for sliced model upload then, you need to ensure that all the related child tables are part of the sliced model. If not, you need to merge the data model of application which needs to be installed with the data model available in the environment, take a slice out of it and use.
  - If you opt for incremental model upload, then you need to merge the data model of application which needs to be installed with the data model available in the environment.
- For a multitier installation, check if **Reveleus.SEC** file is present in **$FIC_HOME/conf in web layer**. If this file is not present in this path, then copy the file from **$FIC_HOME/conf in app layer** to **$FIC_HOME/conf in web layer**.
- For a single tier installation, the installer is required to be loaded only once on the machine that hosts all the OFSAAI tiers.

3.2 OFS Liquidity Risk Management Release 3.0.0.0.0 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 7.3.5.0.0 in a multitier architecture, the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 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 7.3.5.0.0 is installed on RHEL 5.5 /5.8 and Oracle Linux 5.5/5.8 server - Oracle 11g

on separate machines A, B and C respectively. For Silent Installation, refer to the section Silent Installation.

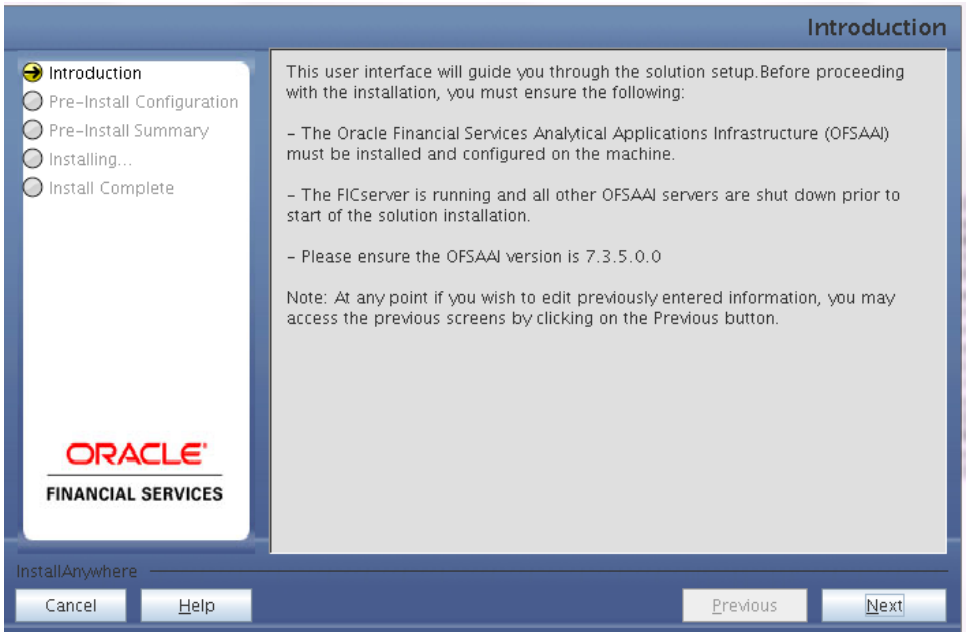
3.2.1 Machine A – Product Application Layer

Step 1

To begin with the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 installation, execute **Setup.sh** with the parameter GUI (GUI Installation) or SILENT (for Silent installation).

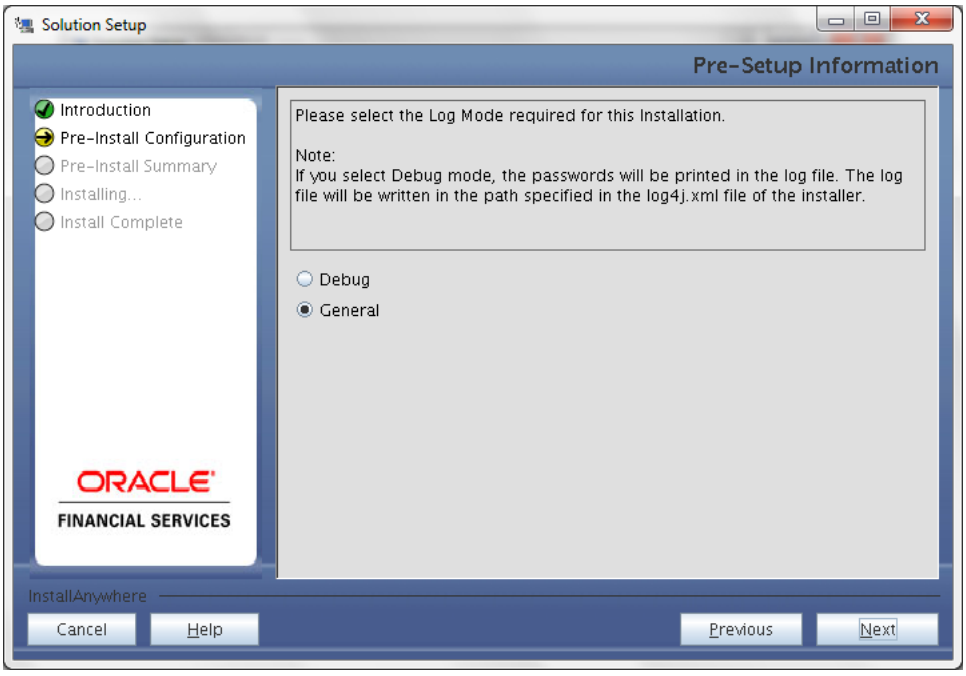
Step 2

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



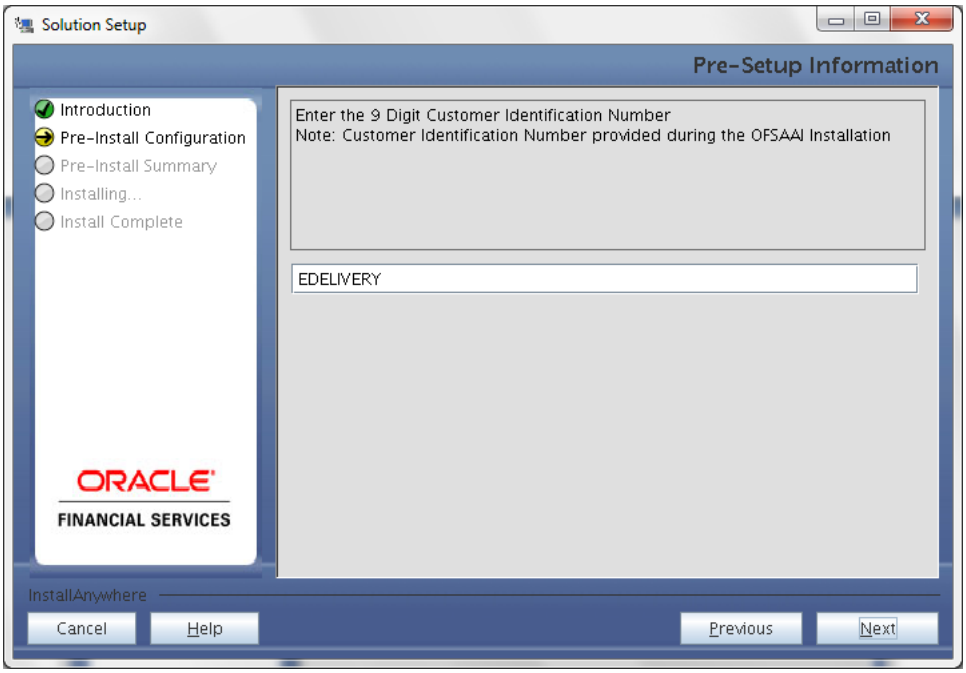
Step 3

Choose the log mode for this installer. The **Debug** and **General** mode information will be printed in the log file specified in the log4j.xml file of the installer.



Step 4

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



Click **Next** to continue.

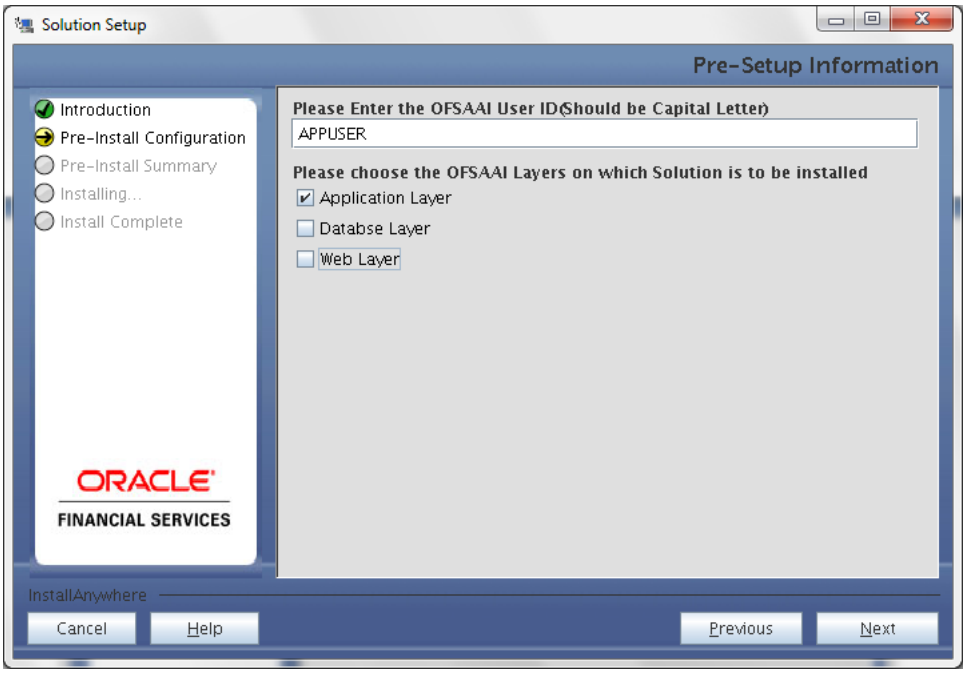
Step 5

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**

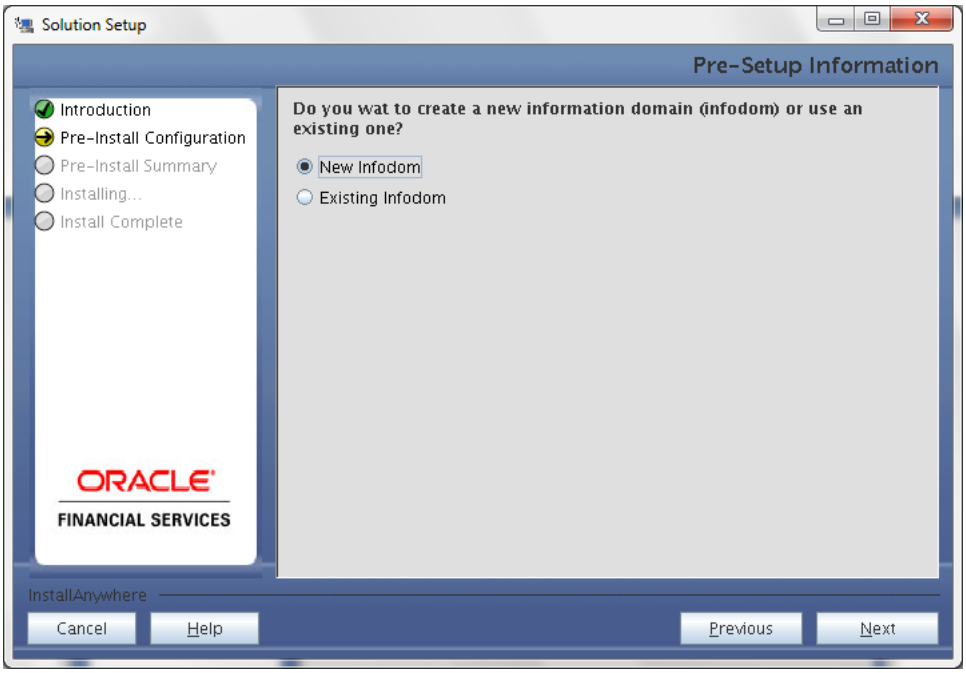


NOTE:

- For a single-tier Oracle Financial Services Analytical Applications Infrastructure Release 7.3.5.0.0 installation, you must select Application Layer, Database Layer and Web layer.
- For a multitier Oracle Financial Services Analytical Applications Infrastructure Release 7.3.5.0.0 installation, select the corresponding layer installed on the machine.

Step 6

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



Click **Next** to continue. If **New Infodom** is selected then go to **Step 7** or else go to **Step 8**.

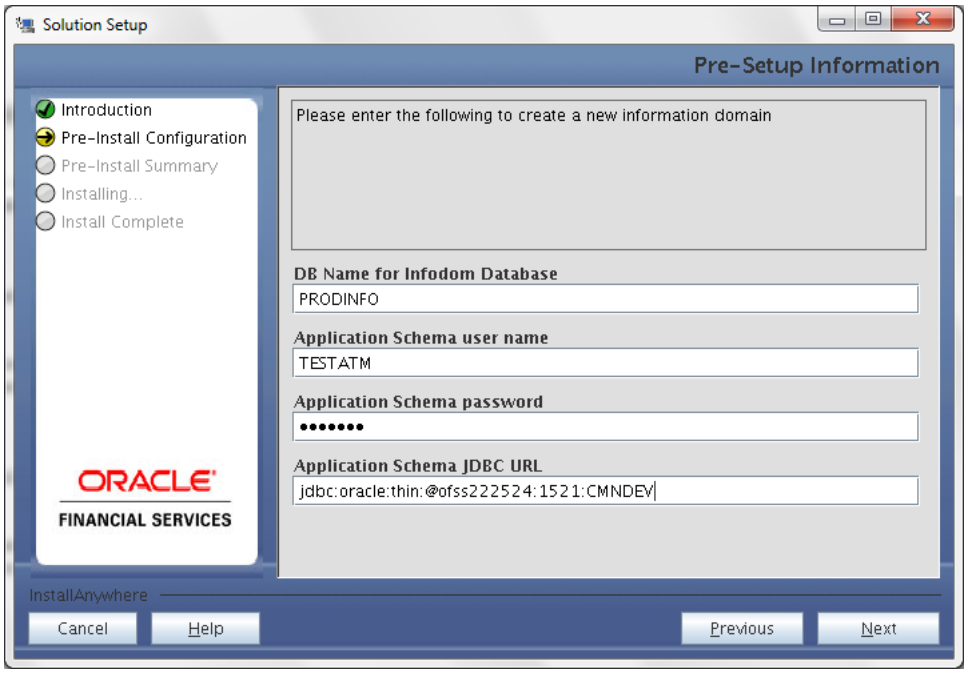
Step 7

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

Step 7-i:

- Specify a DB name for the new information domain. 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.

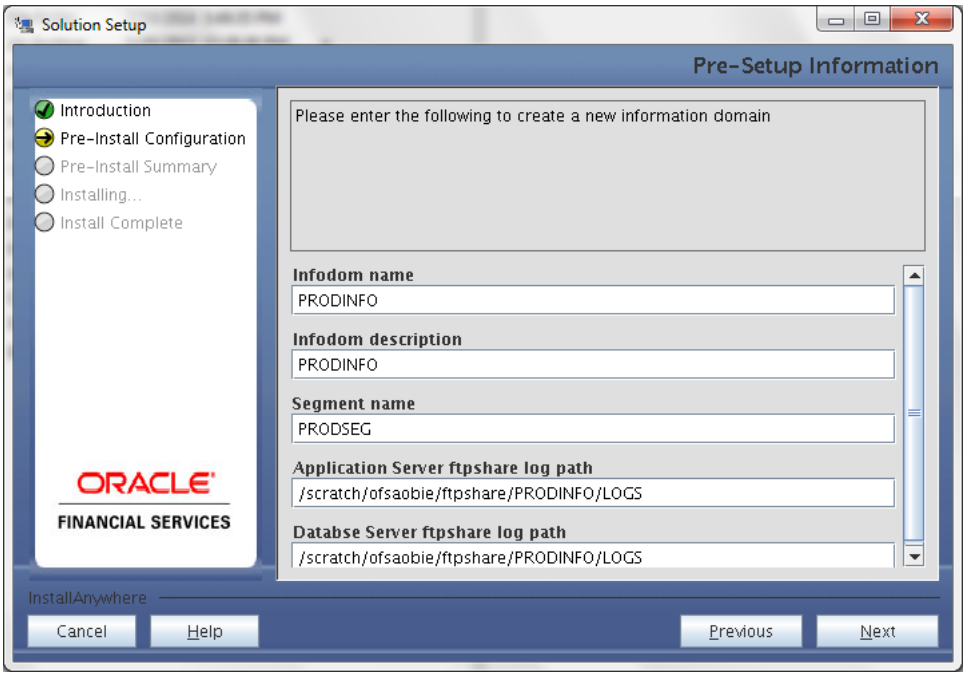
Click **Next** to continue.



Step 7-ii

In the next screen prompt enter the following details:

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



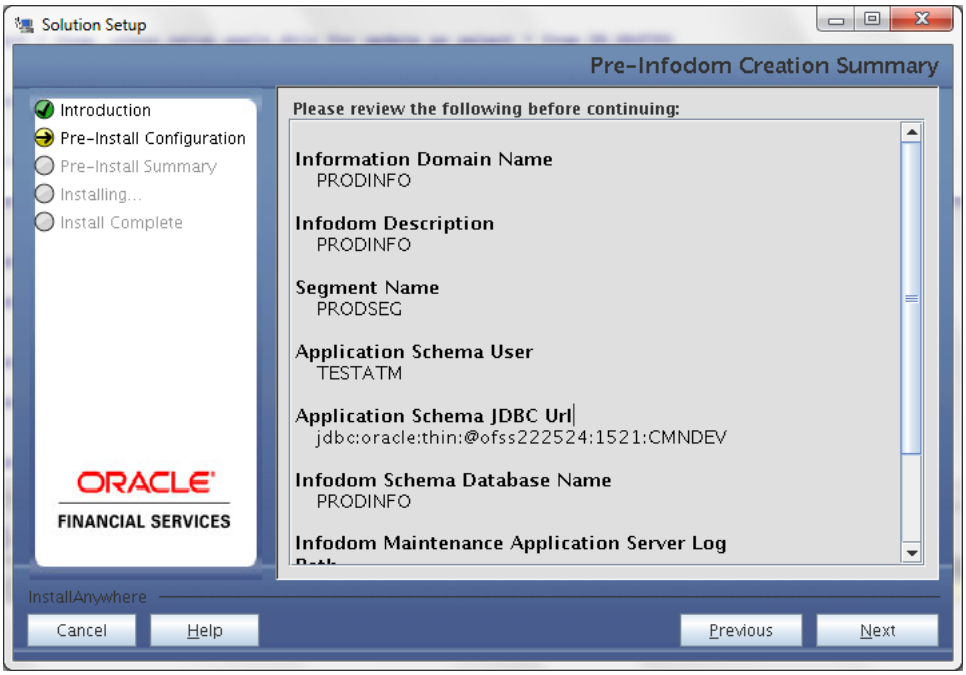
NOTE:

The OFSAAI user must have a role that is able to perform Add/Modify functions for OFS 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.

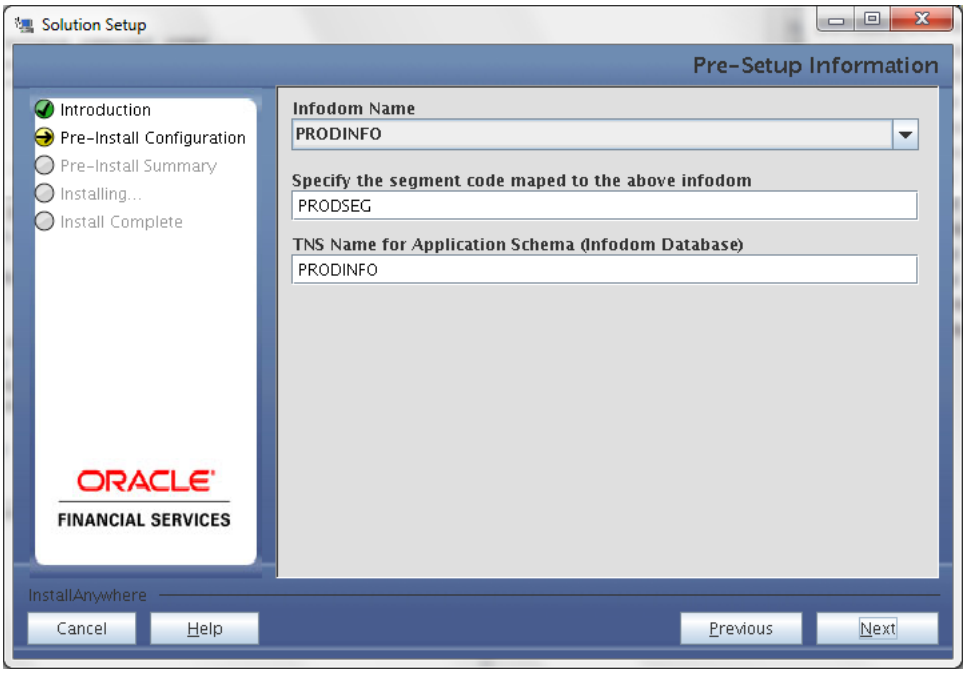


Step 8

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

Step 8-i

- Select the Information Domain name.
- Enter segment code.
- Enter the application schema's TNS name.



Click **Next** to continue.

Step – 9

Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0, data model is packaged as part of the application installer and is installed as a part of the following steps, if required.

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

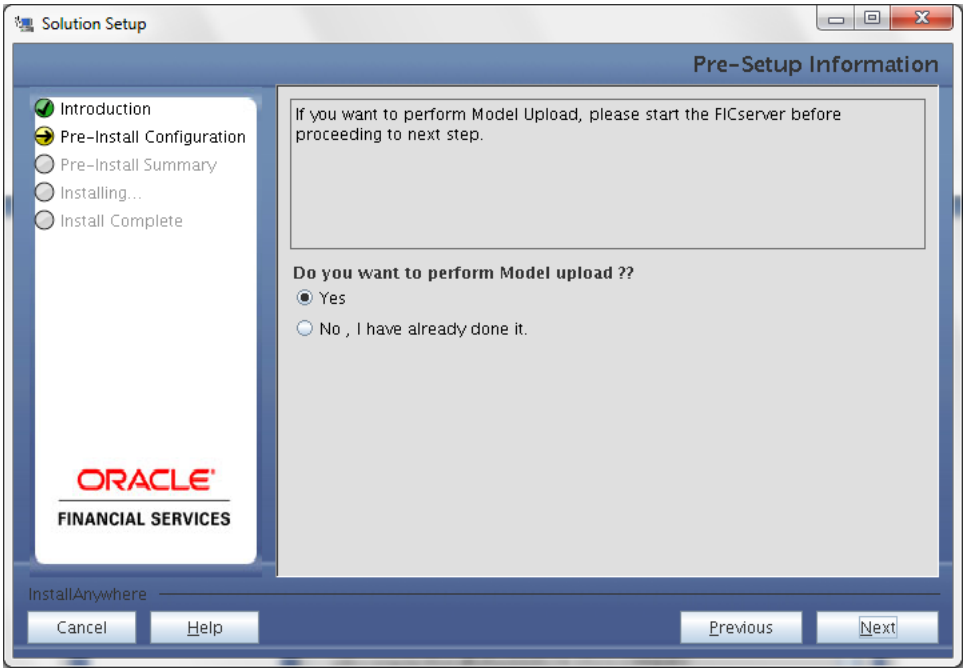


Figure 1: Pre – Setup information

NOTE:

If **Yes** is selected for Data model upload then out of the box LRM data model will be uploaded (file present under DataModel folder will be uploaded).

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

Step – 10

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

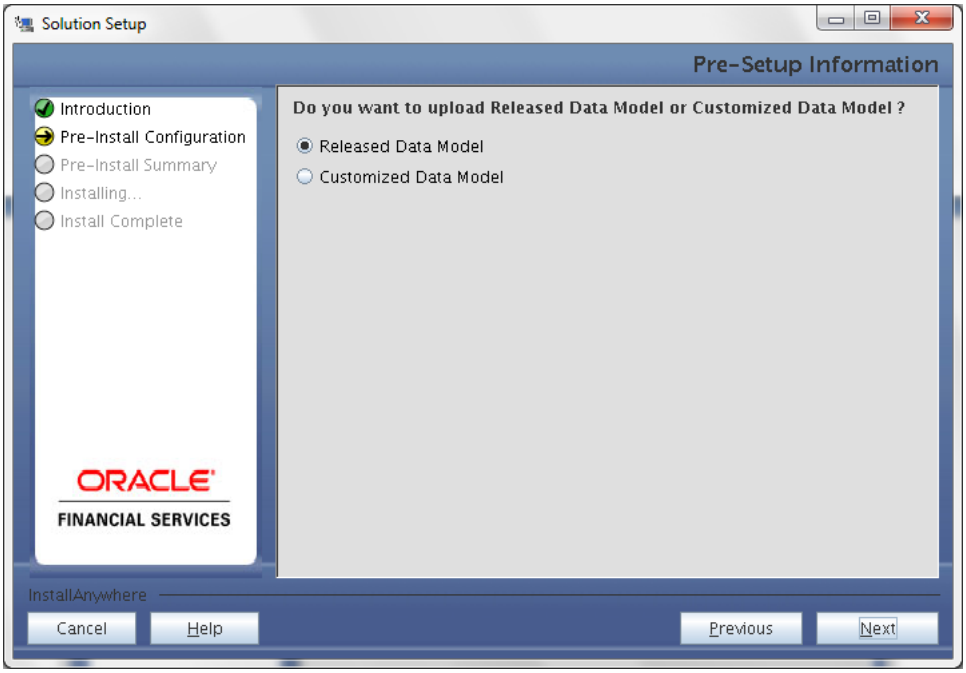


Figure 2: Pre – Setup information

If **Released Data Model** option is selected, then the installer uploads the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0, data model.

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

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.

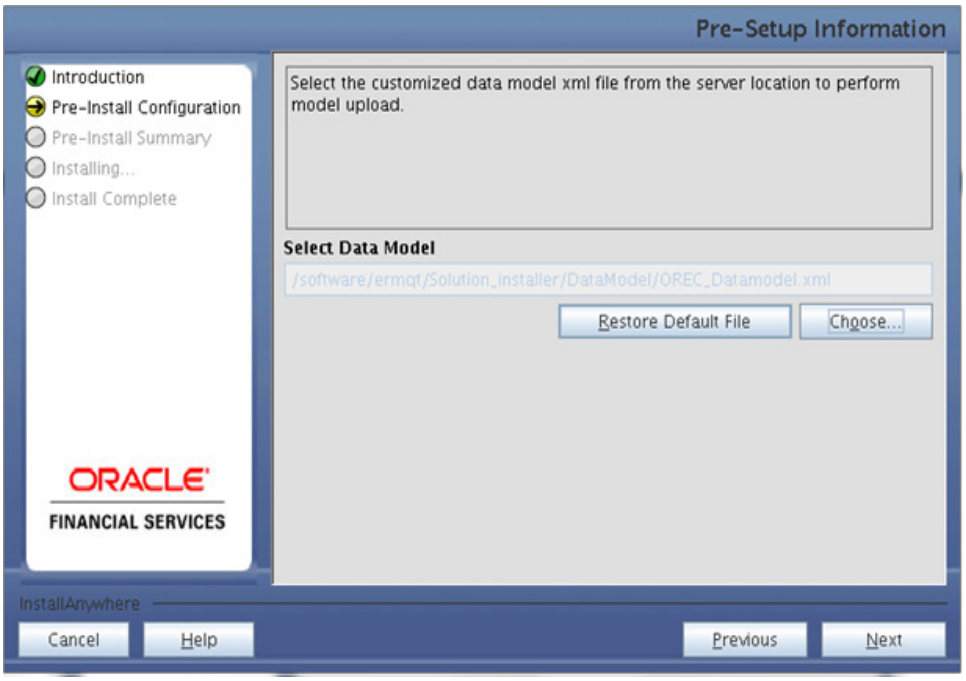


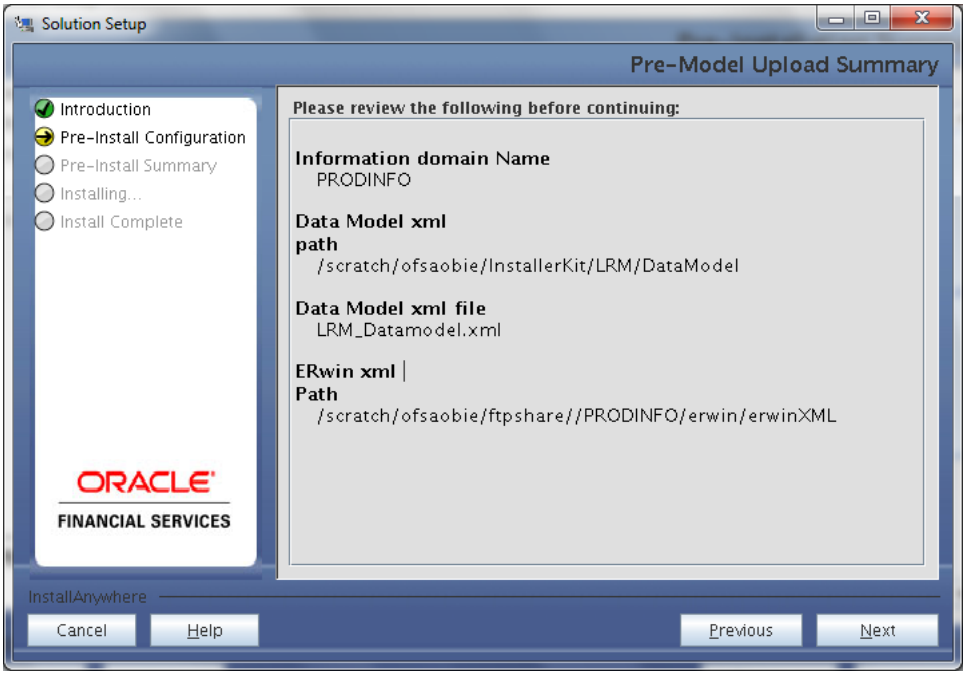
Figure 3: Pre – Setup information

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:



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. In addition, 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 mentioned in .profile should be increased.

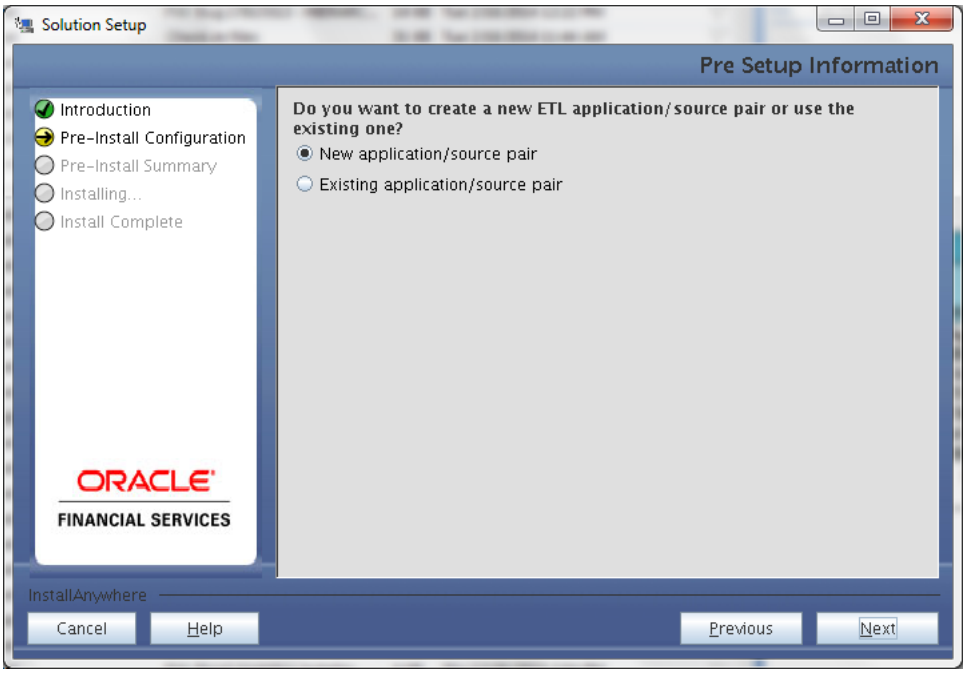
- Error while getting the Erwin File path.

  Possible reason/resolution:

  Restart the FICServer.

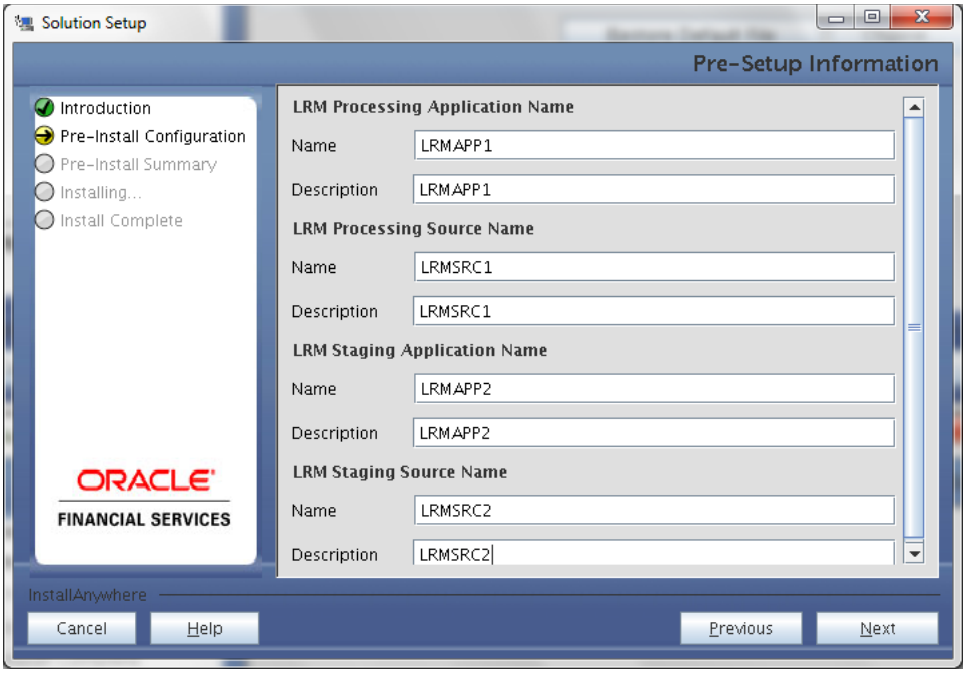
Step 13

In the following screen select New application/source pair or select Existing application/source pair. If the option Existing application/source pair is selected then goto step 14-ii or else goto step 14-i.



Step 14-i

In the next screen specify all the details required for application and source creation. Click **Next** to proceed. Clicking **Next** creates application and source within OFSAAI. Source model will also be generated. This process might take some time to process depending on the number of entities or attributes in the atomic schema. This step cannot be rolled back.



Note:

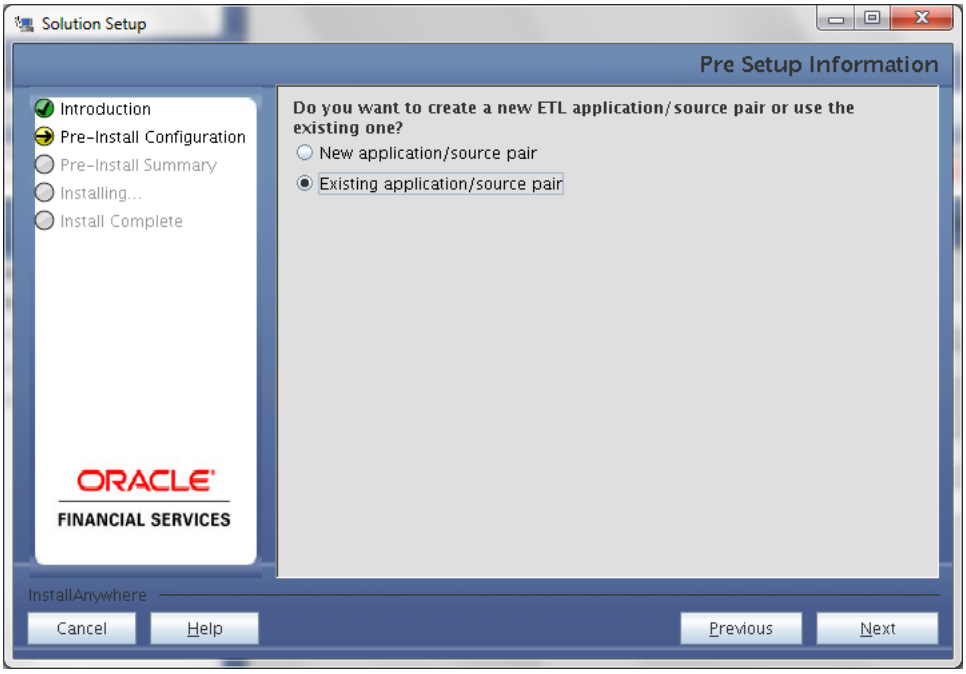
ETL Source will be created pointing to the information domain (atomic schema) that is specified during the installation

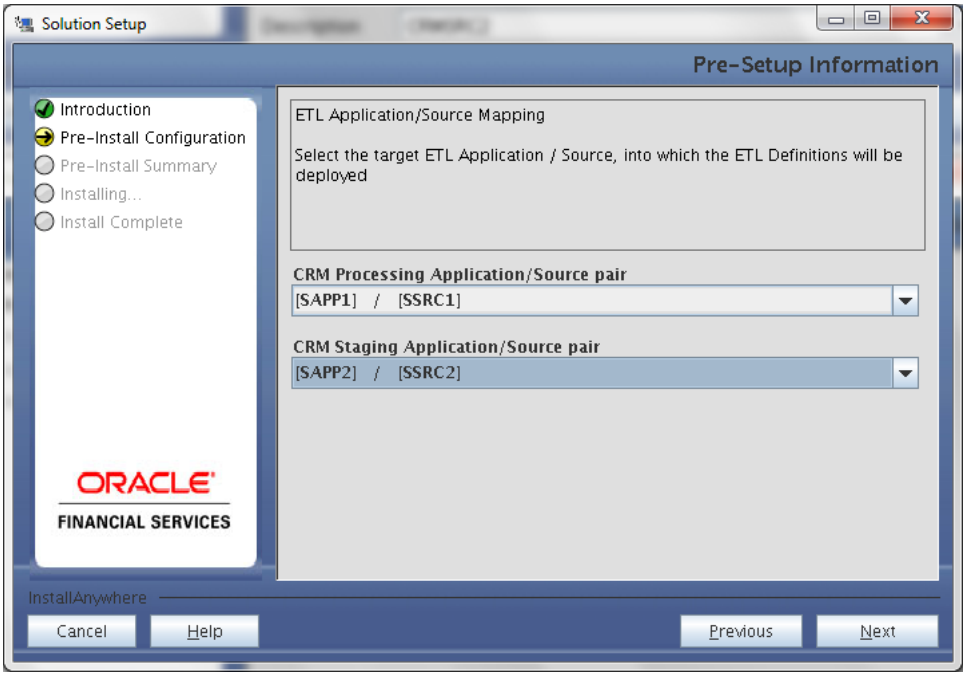
Step 14-ii

If the option “Existing application/source pair” was chosen the following panel willl be displayed prompting user to select app/source pair from the list of pairs already present.

Choose the desired ETL application/source pair into which ETL definitions should be deployed.

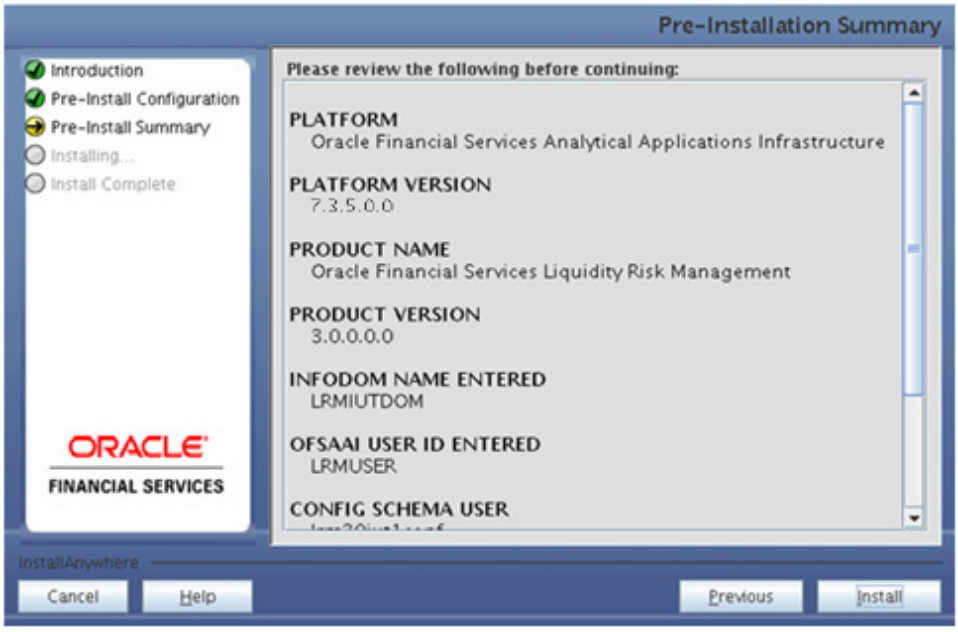
Click **Next**, to Process.





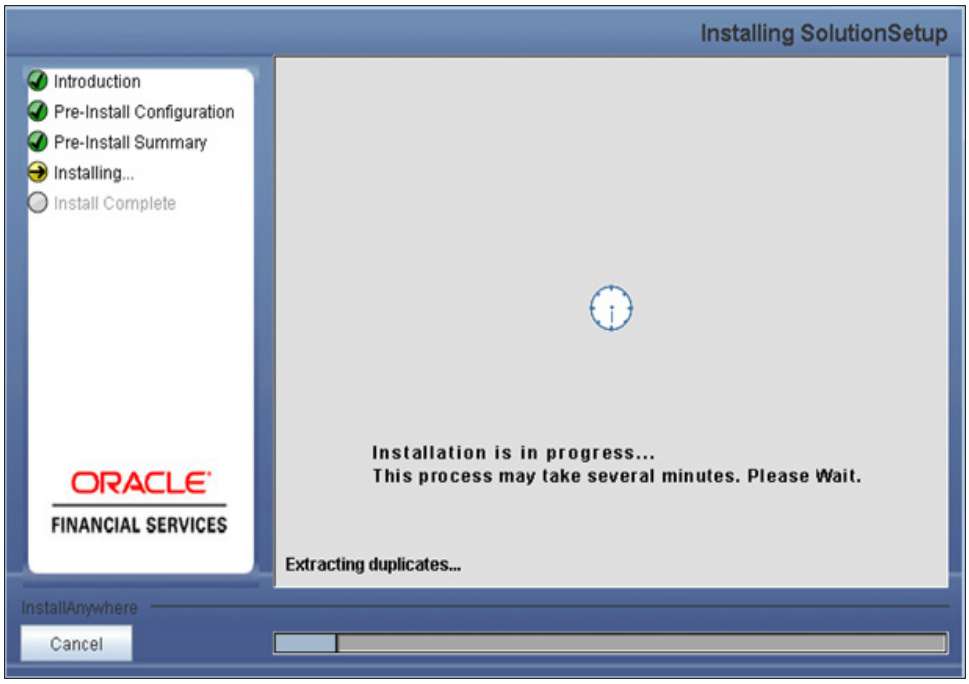
Step 15

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



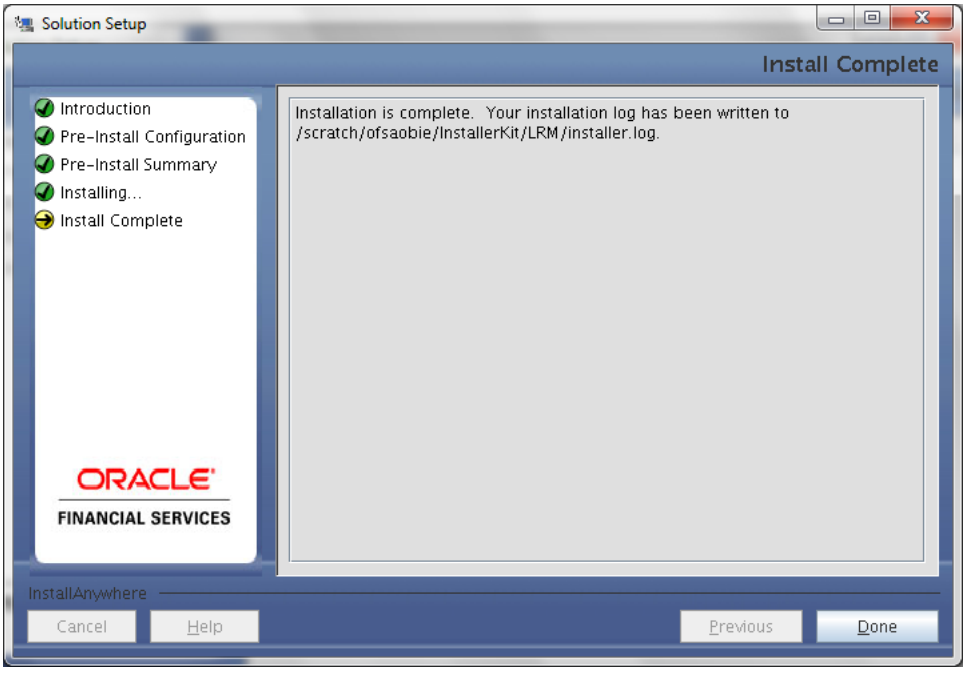
Step 16

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



Step 17

The following screen prompt displays the completion of installation of the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 Setup. Click **Done**, to exit.



Step 18

Restart the FIC server.

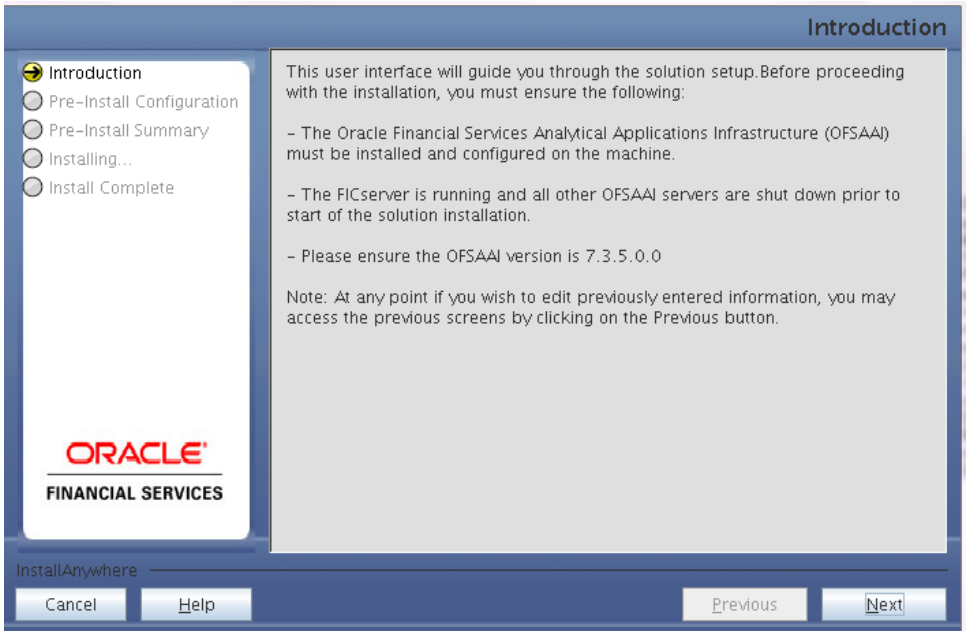
3.2.2 Machine B – Product Database Layer

Step 1

To begin with the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 installation, execute **Setup.sh** with the parameter GUI (GUI Installation) or SILENT (for Silent installation).

Step 2

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

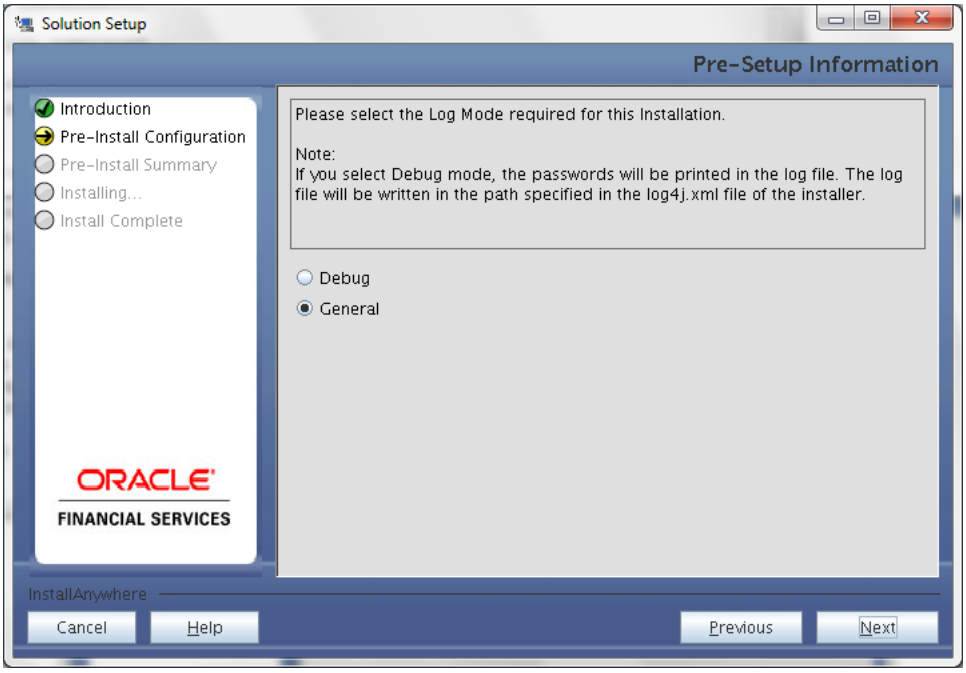


Step 3

Choose the log mode for this installer.

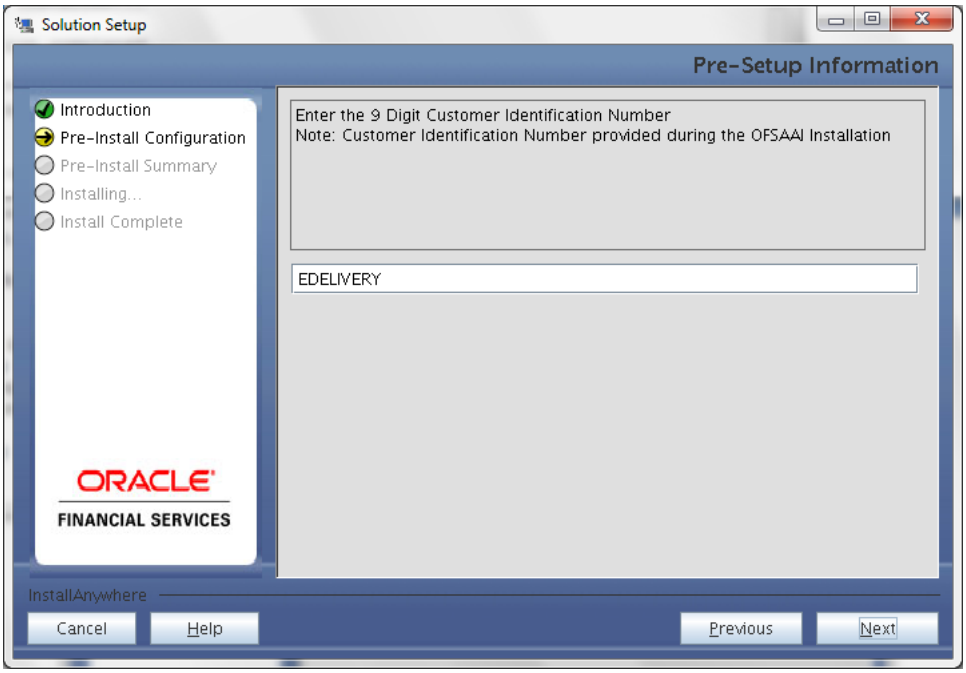
NOTE:

Though stated in the following screenshot, if **Debug** is selected, passwords will not be printed in the log file.



Step 4

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



Click **Next** to continue.

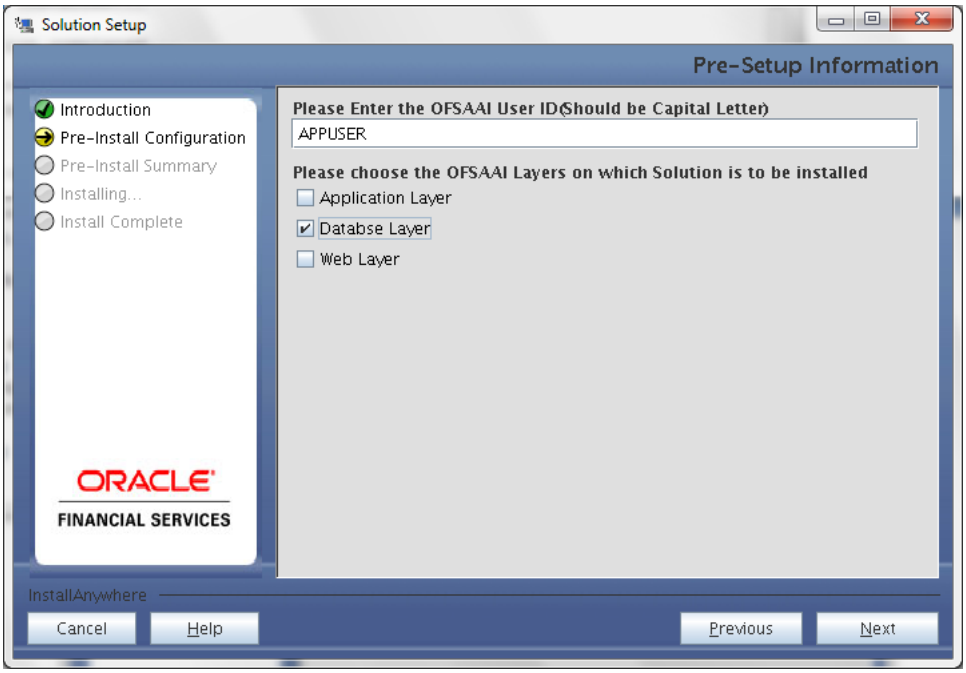
Step 5

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**

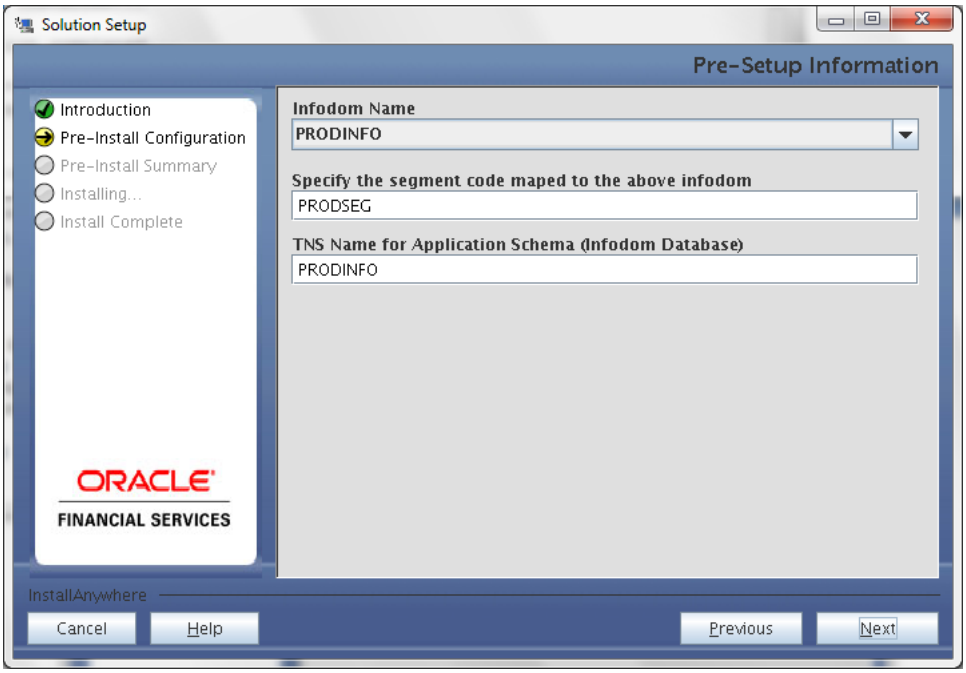


NOTE:

- For a single-tier Oracle Financial Services Analytical Applications Infrastructure Release 7.3.5.0.0 installation, you must select Application Layer, Database Layer and Web layer.
- For a multitier Oracle Financial Services Analytical Applications Infrastructure Release 7.3.5.0.0 installation, select the corresponding layer installed on the machine.

Step 6

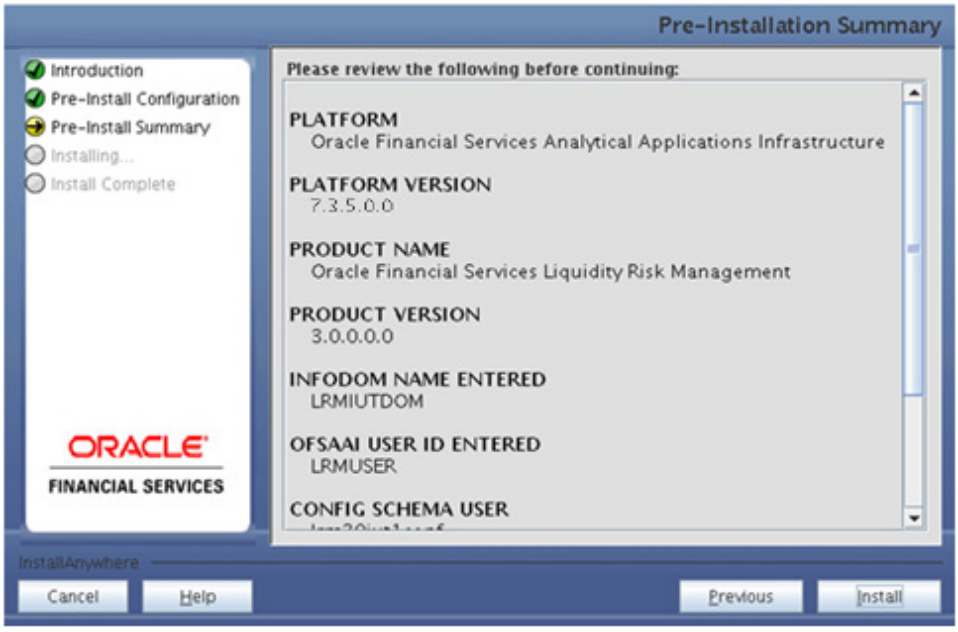
Select the infodom from list of infodoms present in the setup, enter segment code and enter the application schema's TNS name in the following screen prompt.



Step 7

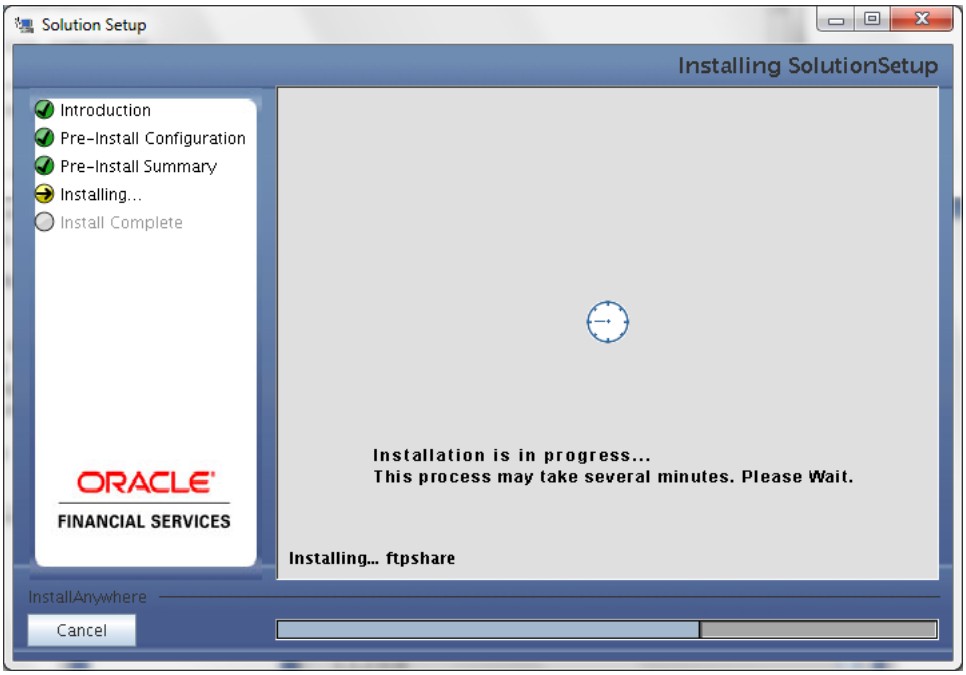
This screen prompt summarizes the preinstallation details. Verify all the details and proceed.

Click **Install** to proceed.



Step 8

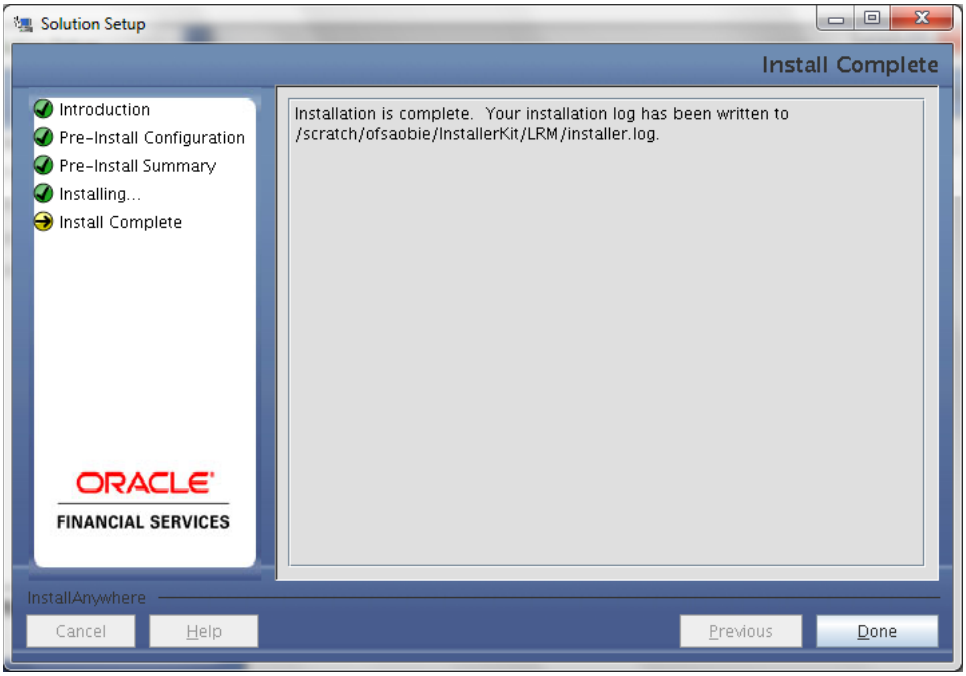
This screen prompt displays the installation process. Wait till the installation is complete.



Step 9

The following screen prompt displays the completion of installation of the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 setup.

i) Click **Done** to exit.



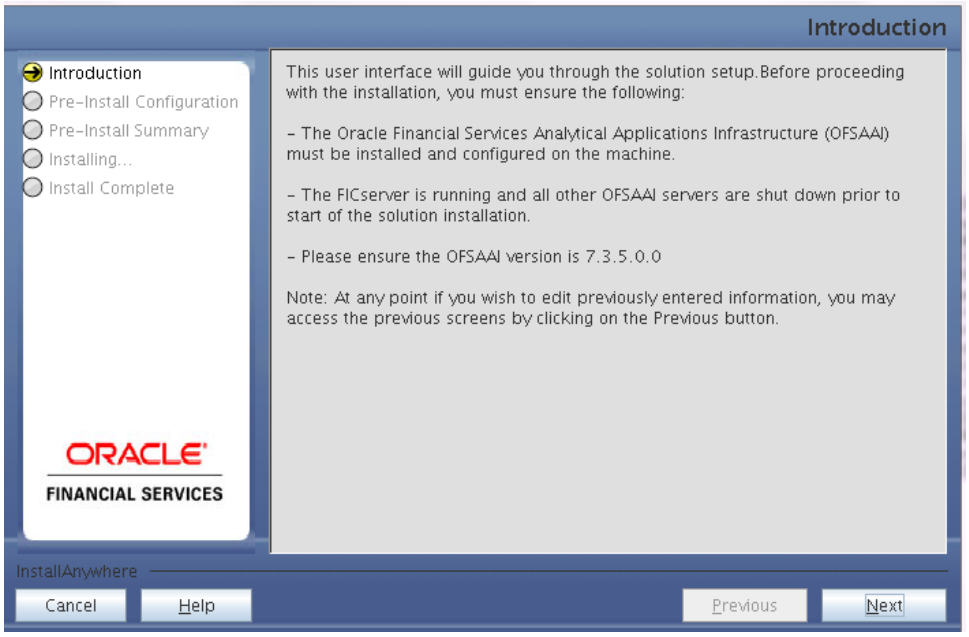
3.2.3 Machine C – Product Web Layer

Step 1

To begin with the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 installation, execute **Setup.sh** with the parameter GUI (GUI Installation) or SILENT (for Silent installation).

Step 2

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

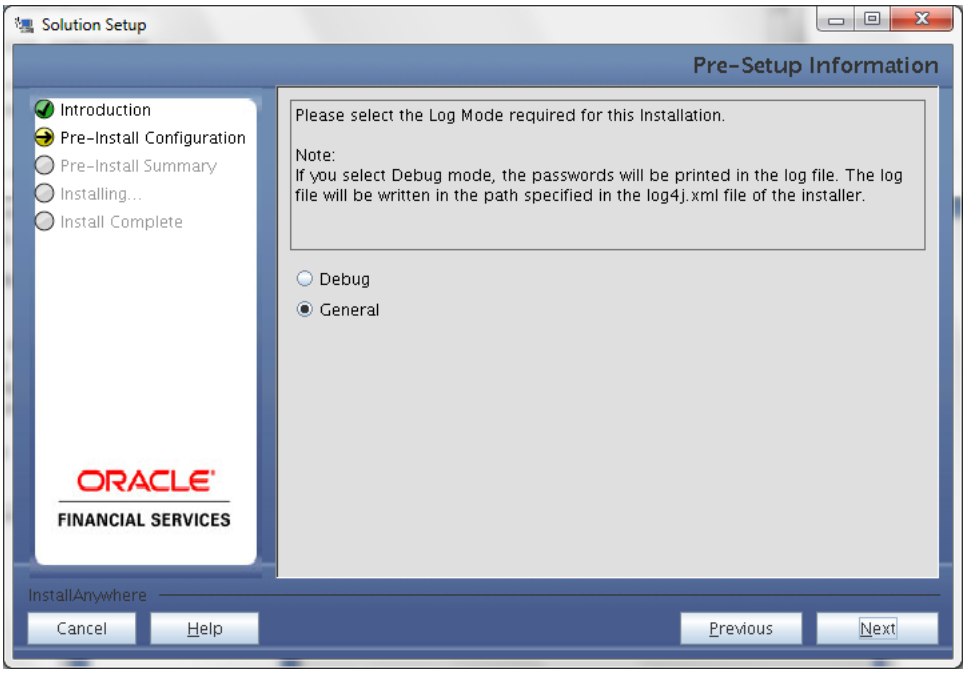


Step 3

Choose the log mode for this installer.

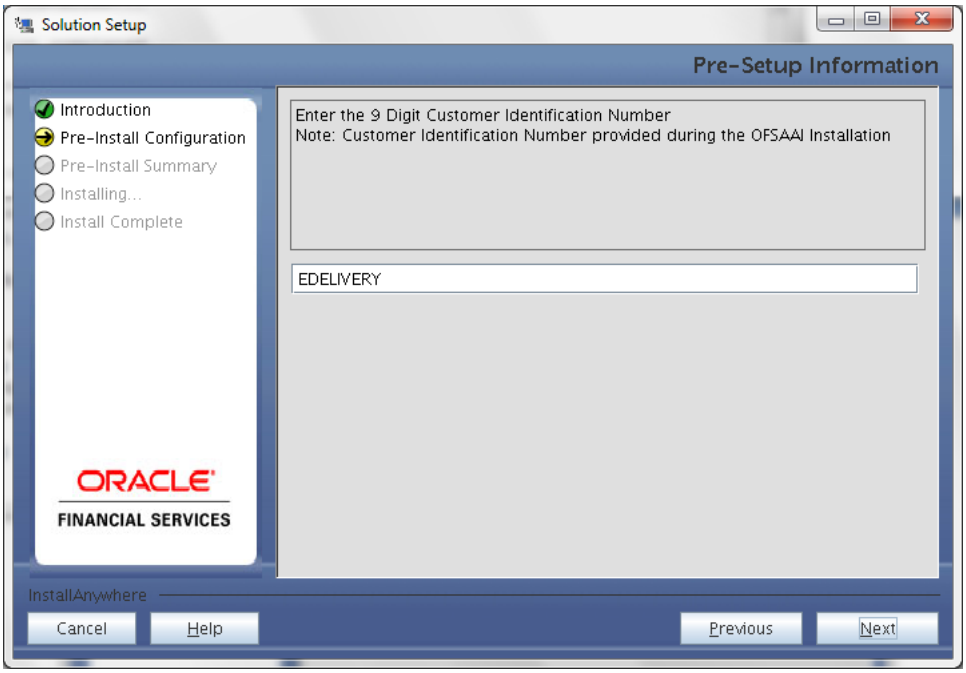
NOTE:

Though stated in the following screenshot, if **Debug** is selected, passwords will not be printed in the log file.



Step 4

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



Click **Next** to continue.

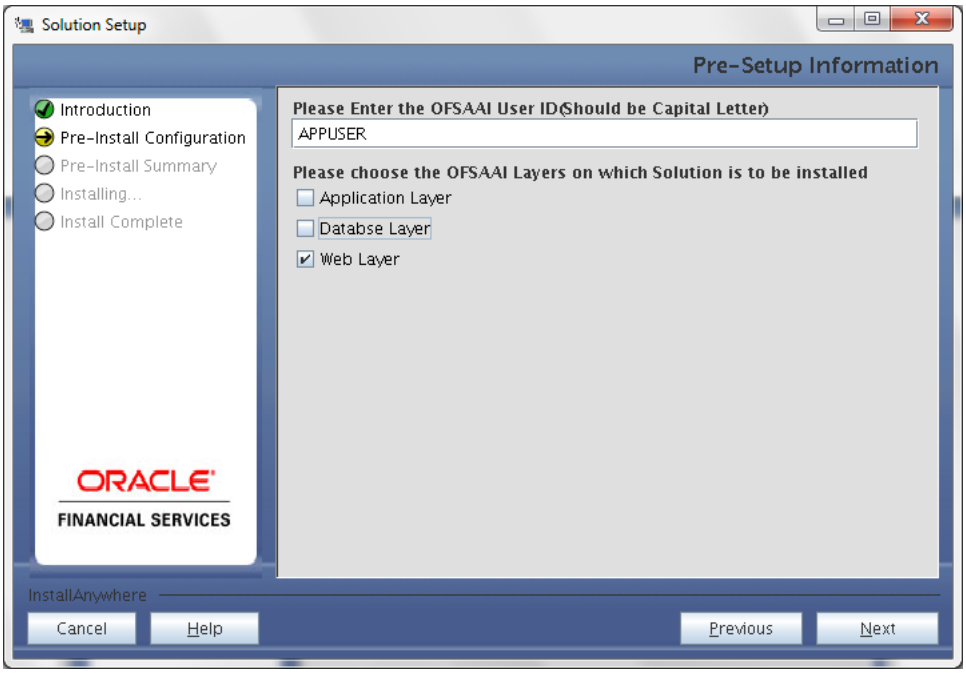
Step 5

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**

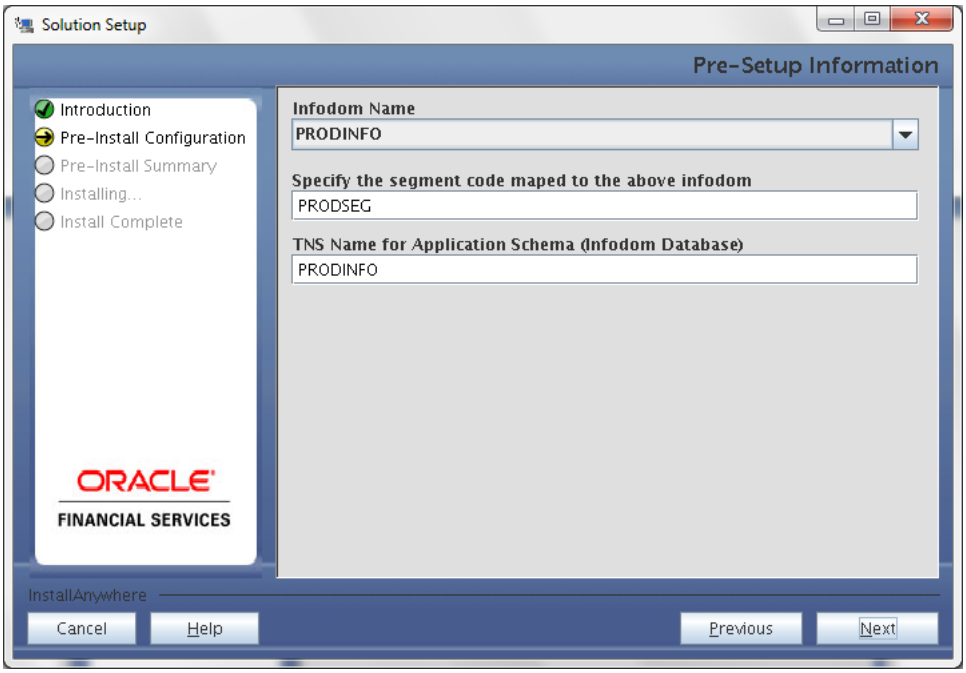


NOTE

- For a single-tier Oracle Financial Services Analytical Applications Infrastructure Release 7.3.5.0.0 installation, you must select Application Layer, Database Layer and Web layer.
- For a multitier Oracle Financial Services Analytical Applications Infrastructure Release 7.3.5.0.0 installation, select the corresponding layer installed on the machine.

Step 6

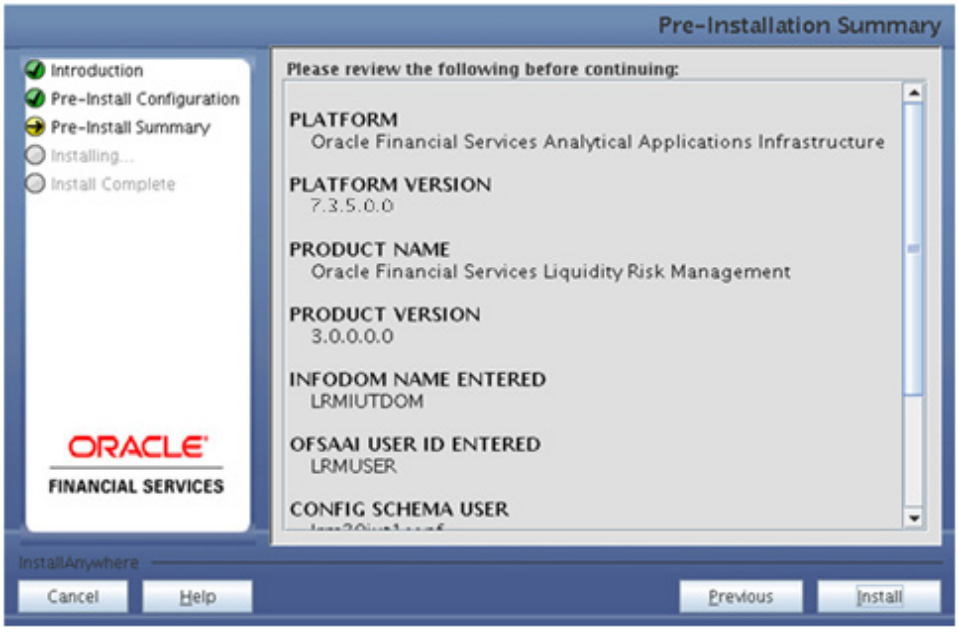
Select the infodom from list of infodoms present in the setup, enter segment code and enter the application schema's TNS name in the following screen prompt.



Step 7

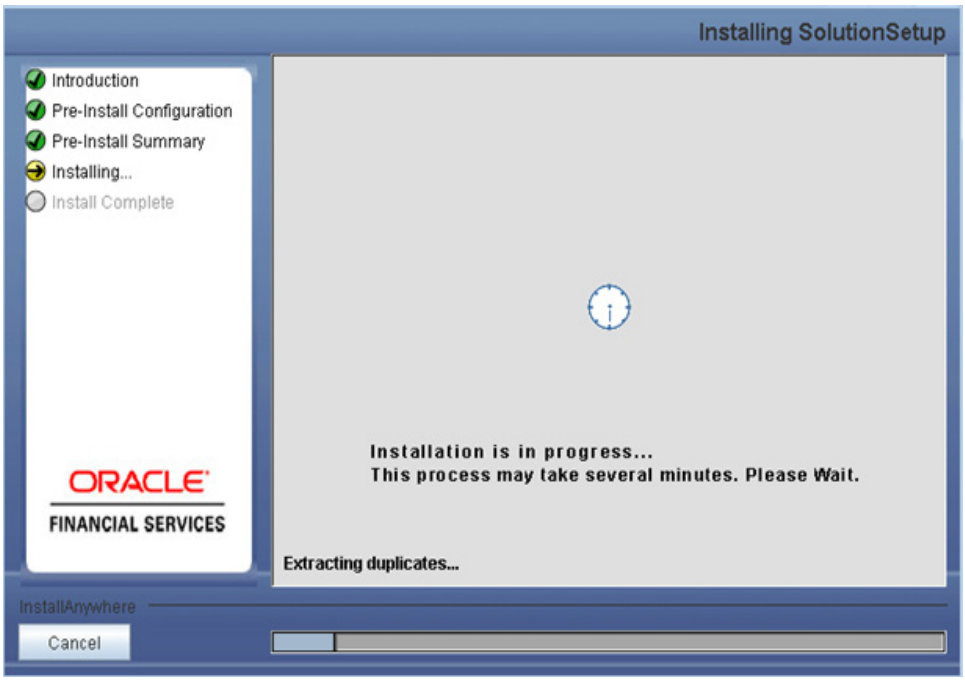
This screen prompt summarizes the preinstallation details. Verify all the details and proceed.

Click **Install** to proceed.



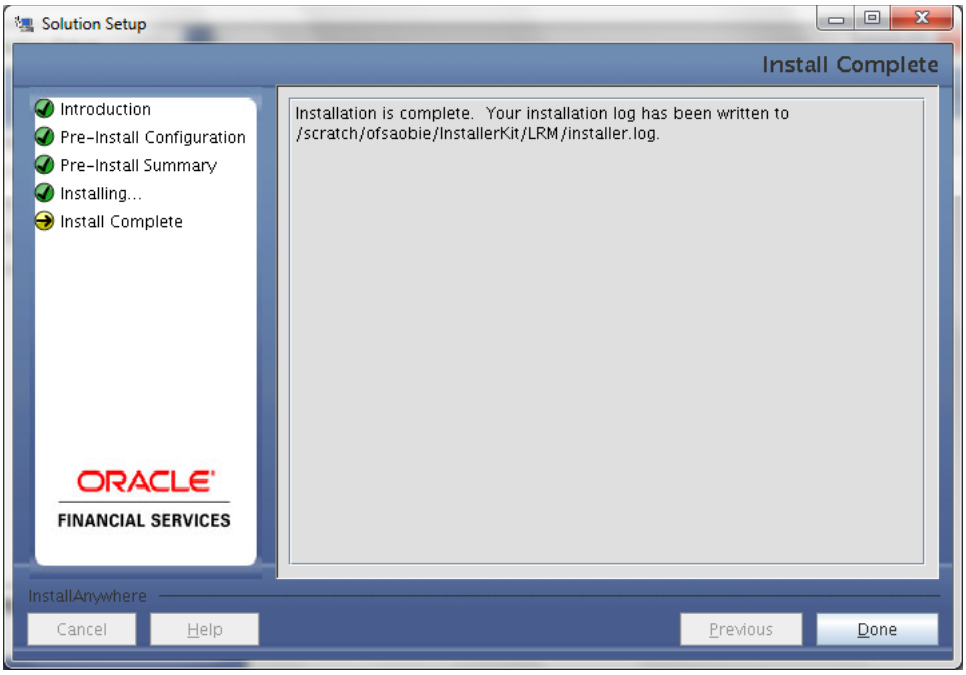
Step 8

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



Step 9

The following screen prompt displays the completion of installation of the Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 setup. Click **Done** to exit.



Step 10

Restart the FIC server.

3.3 OFS Liquidity Risk Management Release 3.0.0.0.0 Installation- Silent Mode

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

How to install in Silent Mode

The installer folder contains a template file **Silent.template**.

- Create a copy of this file and rename the copy as **Silent.props**.
- Edit the file **Silent.props** and specify the parameters as per the requirements.

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

  Silent.Props.xlsx

- On the UNIX Command prompt, execute the following command:

  Setup.sh SILENT

- Refer to the console log or the file **preinstall.log** for any error messages.
- Once installation is completed, restart the FIC server.

3.4 Post Installation Activities

Once the installation of Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 Application is completed, refer to the following activities:

- 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_name></res-ref-name>
<res-type>javax.sql.DataSource</res-type>
<res-auth>Container</res-auth>
</resource-ref>
```

- Create a connection pool in the Information Domain. *For more information refer to the OFSAAI 7.3.0.0.0 Installation manual.*
- Create and deploy the web components into webserver. For more information on deploying the web components refer to the *OFSAAI 7.3.0.0.0 Installation manual.*
- Refer *Start Infrastructure* section in the OFSAAI Installation Guide for assistance in starting the servers.
- Map the domain segment names to a User Group manually. To do so, click **Security Management** from the LHS of the OFSAAI front end, then click **User Group Domain Map** option and map the required Information Domain – segment to the User Group.

  Note: This is applicable when infodom creation is done through application installer.
- Map the role “LRSTROLE” to the user group to access the Liquidity Risk Management Link.
- Map the given role according to the purpose given:

Role Name	Purpose
LRM ADMINISTRATOR	This role provides access to the Application Preferences page and configuration of application page.
LRM ANALYST	This role provides access to Time Bucket, Business Assumption, Run Management and Counter Balancing screens. Editing, Deleting, Copying and Viewing functionality can be achieved through this role. This role does not have access to Holiday Calendar and Application Preferences page.

Role Name	Purpose
LRM APPROVER	This role can only view each object under Time Bucket, Business Assumption, Run Management and Counter Balancing pages. Approval and Rejection of each object under Time Bucket, Business Assumption, Run Management and Counter Balancing screens can be achieved through this role.
HOLIDAY ROLE	This role provides access to Holiday Calendar page and subsequently can Add, Edit, View, Copy, and Generate Calendar for each holiday object.

- Re-save other metadata and all the Hierarchies after populating the set up data and executing the SCD batch.
- Recompile all the Functions, procedures and views.

NOTE:

Ignore the following error in the log:

ORA-00001: unique constraint (ERMATOM.PK_REV_BIHIER) violated.

ORA-00955 name is already used by an existing object.

The Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0 application is now ready to be used.

If you encounter any problems during setup, please contact OFSAA Support at Oracle Support.

Installation Manual
August 2014
Oracle Financial Services Liquidity Risk Management Release 3.0.0.0.0
Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
http://www.oracle.com/us/industries/financial-services/index.html