Product Installation Manual
Oracle Financial Services Hedge Management and IFRS Valuations
Version 6.1.0.0.0
March 2015

Document Control

Author: Niraj Ranjan Biswal	Group: OFSAA	
Created on : 08-Feb-12	Revision No : 1.1	
Updated by : Arpana Danayak		
Updated on : March-15		

Table of Contents

About this Manual 1
Audience 1
Scope 1
Organization of the Manual 1
Conventions Used in this Manual 1
Pre-Requisites 3
Environment 3
Front-End Access 4
Installing Oracle Financial Services Hedge management and IFRS Valuations v6.1 (6.1.0.0.0) Product 5
Pre-Installation Activities 5
Pre-Upgrade Activities 6
Oracle Financial Services Hedge management and IFRS Valuations v6.1 (6.1.0.0.0) Product Installation 10
Machine A – Product App Layer 11
Machine B – Product Database Layer 23
Machine C – Product Web Layer 30
Silent Installation 36
ADCo –Deployment of ADCo libraries on OFSAAI 40
Post Installation Activities 41

About this Manual

Oracle Hedge Management (hereinafter referred to as “Oracle HM”) product enables financial institutions to manage their hedges and to define new hedge relationships and monitor them from time to time in a process-oriented manner. Traditionally, financial institutions manage it through a process which demands a lot of manual intervention. This poses challenges to meet the regulatory demand of documentation and maintenance.

Oracle HM addresses this need by storing hedge relationships at desired levels and computing hedge effectiveness using industry-standard valuation techniques. It allows users to classify a financial instrument into any one of the prescribed categories and to reclassify it as another in the future. It then computes fair value of all the financial instruments and profit/ loss on such valuation. It enables banks to manage fair valuation and hedge relationships and their effectiveness at a central place in a process-driven manner.

Audience

This Manual is meant for use by the Oracle Financial Services Analytical Applications Infrastructure System Administrator. It provides step-by-step instructions necessary for installing the Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) Product.

Scope

This manual provides a step-wise instruction to install the Oracle Financial Services Hedge Management and IFRS Valuations Product in an existing Oracle Financial Services Analytical Applications Infrastructure hosted in OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64bit - Oracle 11g R2 (11.2.0.2.0) environment. The supported web-servers are Tomcat 7.0.19, Websphere 7.0.0.17 and Web logic 10.3.5.0.

Note: Linux 6 is not supported for HM v6.1 even though AAI supports it. HM v6.1 is not qualified on Solaris 5.11.

Organization of the Manual

The Installation Manual is organized into the following chapters.

Pre Requisites section identifies the hardware and base software environment that is required for a successful installation & functioning of the Oracle Financial Services Analytical Applications Infrastructure Solution.

Installing Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) Product 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 a successful installation of the Oracle Financial Services Analytical Applications Infrastructure Solution.

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**.

Pre-Requisites

The installation process requires certain environmental variables to be set prior to starting the installation. You must ensure that these requirements are met before starting the installation. You are requested to refer to the Release Notes for the latest updates on hardware or software requirements and the OFSAAI Installation Manual for the environment variables.

Environment

Installation of Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) Product requires the OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64 bit - Oracle 11g R2 (RAC) (11.2.0.2.0) – OBIEE (11.1.1.6.1) of **Oracle Financial Services Analytical Applications Infrastructure 7.3.2.0.0 or 7.3.3.0.0 for OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64 bit,** 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 OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64 bit version of Oracle Financial Services Analytical Applications Infrastructure 7.3.2.0.0 or 7.3.3.0.0 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.

Note

- Linux 6 is not supported for HM v6.1 even though AAI supports it. HM v6.1 is not qualified on Solaris 5.11.
- The Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) installer download contains only the ERwin XML file that is required for uploading the model. This file is sufficient to install the v6.1 (6.1.0.0.0) product. However, this XML file cannot be opened in the ERwin Data modeler tool and hence cannot be used for any data model customization. ERwin file is delivered as a patch and need to be downloaded separately. This ERwin file should be used for any customization of the data model. Reference bug / patch where ERwin file can be downloaded is Bug 16182943 - IFRS/HM 6.1 (6.1.0.0.0) DATA MODEL.

The OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64 bit - Oracle 11g R2 (RAC) (11.2.0.2.0) version of Oracle Financial Services Analytical Applications Infrastructure 7.3.2.0.0 or 7.3.3.0.0, once installed must be configured. Please apply following one-off patches before proceeding for ALM v6.1 (6.1.0.0.0) installation.

Refer to OFSAAI Administration guide, if you want to execute the MLS Utility where the application is being installed on top of AAI 7.3.3.

Note: These one-offs are only required when installing v6.1 on Infrastructure 7.3.2.0.0 or 7.3.3.0.0; higher versions of Infrastructure will incorporate the fixes represented by these one-offs.

- Bug 14766836 - BREADCRUMB IS SHOWING 'LIMITS SUMMARY$' INSTEAD OF 'LIMITS SUMMARY'.

  One-Off Patch : - 14766836_GENERIC.zip

  ML version - 7.3.2.0.10

- Bug 14359454 - NEW COLUMN UDP FOR IDENTIFYING ECONOMIC VALUE RELATED COLUMNS

  One-Off Patch : - 14359454_GENERIC.zip

  ML version - 7.3.2.0.11

- Bug 14676961 - ERROR WHILE OPENING MEMBER SCREEN UNDER DIMENSION MANAGEMENT

  One-Off Patch : - 14676961_GENERIC.zip

  ML version - 7.3.2.0.12

- Bug 16066102 - OBJECT MIGRATION EDIT: TP/ALM SHARED OBJECTS DISPLAYED IN DUPLICATE, CANNOT SAVE

  One-Off Patch : - 16066102_GENERIC.zip

  ML version - 7.3.2.0.20

  Note: Above mentioned patches are not required if platform 7.3.2.1 has been already applied.

Front-End Access

- Internet Explorer 8.0/9.0
- Java Plug-in 1.6.0_21
- Acrobat Reader 8.0
- The screen resolutions supported are 1024*768 and 1280*1024

Note

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

Installing Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) Product

Note: If you want to create ETL Application and source for this product, then the jdbc url should be in following format. Other formats are not supported in this version.

jdbc:oracle:thin:@<HOST_NAME>:<PORT_NO>:<ORACLE_SID>

Pre-Installation Activities

The following is the Pre Installation checklist to ensure the readiness to start installing Oracle Financial Services Hedge Management and IFRS Valuations Product:

- Oracle Financial Services Analytical Applications Infrastructure 7.3.2.0.0 or 7.3.3.0.0 must be successfully installed on OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64 bit - Oracle 11gR2 (RAC) (11.2.0.2.0).
- If Infrastructure installation is on multitier environment, Execute the following commands in the DB Layer terminal

  chmod -R 777 < ftpshare folder >
- Navigate to ftpshare folder and set the *umask* shown as below, this will make sure all the new files created will have 666 file permission.

  cd < ftpshare folder >

  umask 0000
- The config and atomic schema should be two distinct oracle database users.
- Please execute the following grants in config schema. Please replace <ORACLE_USER> with atomic schema user.

  grant select on REVELEUS_MASTER to <ORACLE_USER>

  grant select on REV_MAST_MAP_ITEMS to <ORACLE_USER>

  grant select on METADATA_LOCALE_MASTER to <ORACLE_USER>
- Please execute “privileges_atomic_user.sql” from DBA user. This will provide required privileges for atomic schema.
- Execute the below scripts in the config schema.
  - insert_cssms_model.sql
- Please copy the entire HM v6.1 (6.1.0.0.0) installer download directory to the server location (Including the DataModel directory). Please give read, write and execute permission to all the files present in this directory.
- Please specify the log file path and name in the log4j.xml. Please update the “value” attribute marked in the following picture

```
<!DOCTYPE log4j:configuration SYSTEM "log4j.dtd">
<log4j:configuration xmlns:log4j="http://jakarta.apache.org/log4j/">

<appender name="ConfigReveleusFileAppender" class="org.apache.log4j.RollingFileAppender">
    <param name="file" value="/u02/setupkit/ALM60/log/FTP60.log"/>
    <param name="Append" value="true"/>
```

Figure 1: Log4j.xml file configuration

- Please make sure the path given in the log4j.xml file has read/write/execute permission.
- Please execute the “config_table_privileges_for_atomic_user.sql” script in config schema. This file will be present inside $FIC_HOME directory.
- Please make sure FICServer is up and running before proceeding for installation.

Pre-Upgrade Activities

This section is applicable only for customers upgrading from earlier version.

Back-up of Database schema and Files

- Back-up existing config and atomic schema of the information domain that is being upgraded. This can be used to restore back the application, in case of any failures during upgrade.
- Back-up FTPSHARE and $FIC_HOME folders of your existing environment.

This section is applicable only for customers upgrading from v6.0/6.0.1/6.0.2/6.0.3 to 6.1.0.0.0

Batch changes

The batches do not allow a special character in the task description, and hence the existing batches that violate this rule have to be identified and the task description has to be changed.

Following special characters are allowed in batches:
Batch Name: Alpha Numeric with Underscore (_) only.
Batch Description: Alpha Numeric with Underscore (_), Hyphen (-), colon (:), Dot (.), and space ( ).
The same is applicable for task name and task description.

The query below, gives the list of tasks that violates the rule. The description of these tasks has to be changed manually before the upgrade, in order to avoid errors.

```
SELECT t1.v_batch_id,
       t1.v_task_description
FROM   batch_task_master T1
WHERE  Replace(Translate(Nvl(T1.v_task_description, ' '),
       '`~!@#$%^&*()+=[]{}\\|;"<>?,/','#'), '#', '') <>
       Nvl(T1.v_task_description, ' ');
```

T2T changes

The existing T2T's will be replaced during upgrade installation. Hence, take a backup of existing T2T's.

New T2T Definitions in 6.1(6.1.0.0.0)::

T2T_EMBEDDED_OPTIONS_LOAN_CONTRACTS
T2T_EMBEDDED_OPTIONS_INVESTMENTS
T2T_EMBEDDED_OPTIONS_BORROWINGS
T2T_EMBEDDED_OPTIONS_SCH

Modified T2Ts:

T2T_ANNUITY_CONTRACTS
T2T_BORROWINGS
T2T_BROKEN_ACCOUNT_LOANS_FP
T2T_BROKEN_ACCOUNT_LOANS_R
T2T_BROKEN_ACCOUNT_TD_FP
T2T_BROKEN_ACCOUNT_TD_R
T2T_CASA
T2T_CREDIT_CARDS
T2T_FRA_PAY
T2T_FRA_RCV
T2T_FUTURE_CONTRACTS
T2T_FX_CONTRACTS_PAY
T2T_FX_CONTRACTS_RCV
T2T_GUARANTEES
T2T_INVESTMENTS
T2T_LEASES_CONTRACTS
T2T_LOAN_COMMITMENTS
T2T_LOAN_CONTRACTS
T2T_LOAN_CONTRACT_TXNS_SUMMARY
T2T_LOAN_PAR_RESTRUCTURED
T2T_MERCHANT_CARDS
T2T_MM_CONTRACTS
T2T_MORTGAGES
T2T_MORTGAGES_PAR_RESTRUCTURED
T2T_OD_ACCOUNTS
T2T_OPTIONS_CAPFLOOR
T2T_OPTION_COLLAR_PAY
T2T_OPTION_COLLAR_RCV
T2T_OTHER_SERVICES
T2T_PAYMENT_SCHEDULE
T2T_RETIREMENT_ACCOUNTS
T2T_STG_CARDS_TXNS_SUMMARY
T2T_STG_CASA_TXNS_SUMMARY
T2T_STG_LC_GUARANTEES
T2T_STG_MERCHANT_CARD_TXNS_SUMMARY
T2T_STG_MUTUAL_FUNDS
T2T_STG_OTHER_SERVICE_TXNS_SUMMARY
T2T_STG_TERMDEPOSITS_TXNS_SUMMARY
T2T_STG_TRUSTS_TXNS_SUMMARY
T2T_SWAPS_CONTRACTS_PAY
T2T_SWAPS_CONTRACTS_RCV
T2T_TD_PAR_RESTRUCTURED
T2T_TERM_DEPOSITS
T2T_TRUSTS

Note:

The existing T2T's will be replaced during upgrade installation. The T2T files are present in FTPSHARE folder and hence no separate back ups are required. It is assumed that the FTPSHARE is backed up as mentioned earlier in this document.

T2T definitions are present in the following folders:

<FTPSHARE_PATH>/STAGE

<FTPSHARE_PATH>/<INFODOM>/erwin/sources

If the user has done any customizations on the above T2T's, then they need to be done again on these T2T definitions.

Datamodel changes

If data model is customized:

1.) Open both the models using ERwin Data Modeler tool.
2.) Go to "Tools" and Select "Complete Compare"
3.) In the Compare window select your existing HM_Data_Model on Left Model.
4.) Select extracted HM_Datamodel on Right Model
5.) In "Type Selection" check "Subject Area"
6.) In "Advanced" option un-check ALL except "Auto Close Database/Script Models"
7.) Click "Compare"
8.) Resolve Differences Screen by applying all the changes mentioned in the HM Datamodel Changes 6.0-6.1.xls file for 6.0 to 6.1(6.1.0.0.0)upgrade.
    The HM Datamodel Changes 6.0-6.1.xls file contains the following sheets
        a. New Table
        b. New Columns
        c. Data Type Changes
    These are the changes from 6.0 to 6.1upgrade.

    Click "Finish" and Close

9.) Save the file as XML in "AllFusion Repository Format" ex:- HM_Datamodel.xml
10.) Copy the modified existing into the location "ftpshare/*INFODOM*/erwin/erwinXML". (Replace *INFODOM* with the name of the information domain)
11.) Upgrade from HM v 6.0 to 6.1

    Execute the below script mentioned in atomic schema.
    dm_pre_common_ddl_6_1.sql

12.) Perform Incremental/Sliced Model Upload in the information domain where HM application is installed.
13.) Incremental/Sliced model upload might give errors in case there are NOT NULL columns that are being added to a table that already has rows or if the columns that are being dropped have values. Check the data model changes excel file for any such cases. In such a case, take a backup of the

table and truncate the table. Insert records back into the table with a default value for the NOT NULL column.

Note:

Follow the instructions mentioned in the “Merging Data Model Changes into Existing Model.doc” for merging the existing data model with 6.0 HM data model.

If data model is not customized:

1. Execute the below script mentioned in atomic schema.
   dm_pre_common_ddl_6_1.sql
2. Perform Incremental/Sliced Model Upload in the information domain where HM application is installed.

Note:
The Following tables will be backed up FSI_IRC_RATE_HIST, FSI_BILLING_METHOD_MLS , FSI_BILLING_METHOD_CD, FSI_M_PROD_CHARACTERISTICS and FSI_IRC_VOLATILITY_RATE_HIST during the execution of the file dm_pre_common_ddl_6_1.sql.

Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) Product Installation

The Oracle Financial Services Analytical Applications Infrastructure Product comprises of components that are installed in Web, Application & Database layer. Hence if you have installed Oracle Financial Services Analytical Applications Infrastructure 7.3.2.0.0 or 7.3.3.0.0 in a multi-tier architecture, the Oracle Financial Services Hedge Management and IFRS Valuations Product installer must be invoked 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 invoked only once on the machine that hosts all the Oracle Financial Services Analytical Applications Infrastructure tiers.

This section describes the installation process where the Three Product setup components are installed on separate machines in with the Product installation on separate machines. Machine A will be used to install Product Application Layer components, Machine B will be used to install Product Database Layer components and Machine C will be used to install Product Web Layer components.

Note

- This section holds applicable if Oracle Financial Services Analytical Applications Infrastructure 7.3.2.0.0 or 7.3.3.0.0 is installed on OEL/RHEL 5.3 / 5.5, Solaris 5.10 and AIX 5.3 (ML12) / AIX 6.1 (ML07), 64 bit - Oracle 11g (RAC) on separate machines A, B and C respectively.
- Refer to section on “Silent Installation”, if a silent installation is required

Machine A – Product App Layer

Step 1

To begin Oracle Financial Services Hedge Management product installation, execute Setup.sh.

Figure 2: Installation Splash Screen

Step 2

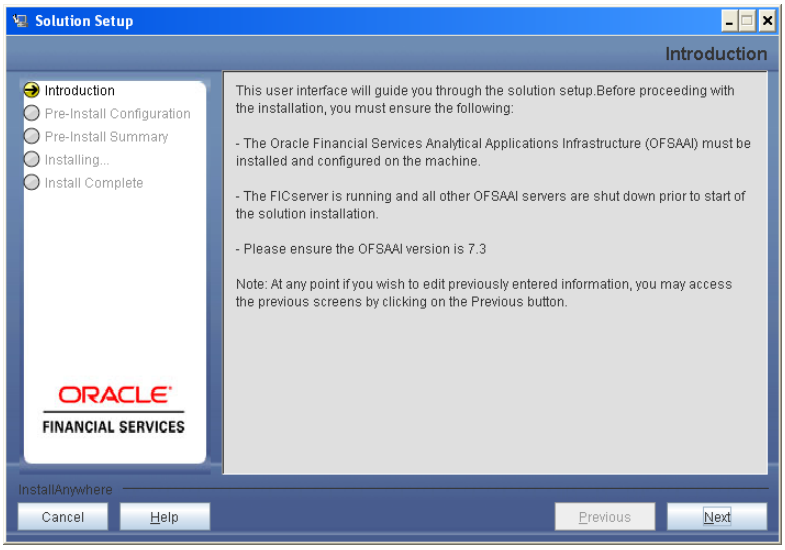

Figure 3: Introduction Screen

Upon invoking the installer, the **Introduction** screen will display the pre-requisites for installation. Ensure that the pre-requisites are satisfied before you proceed.

Step 3

Please choose the log mode for this installer. In case, if Debug is selected, the Passwords will be printed in the Log File.

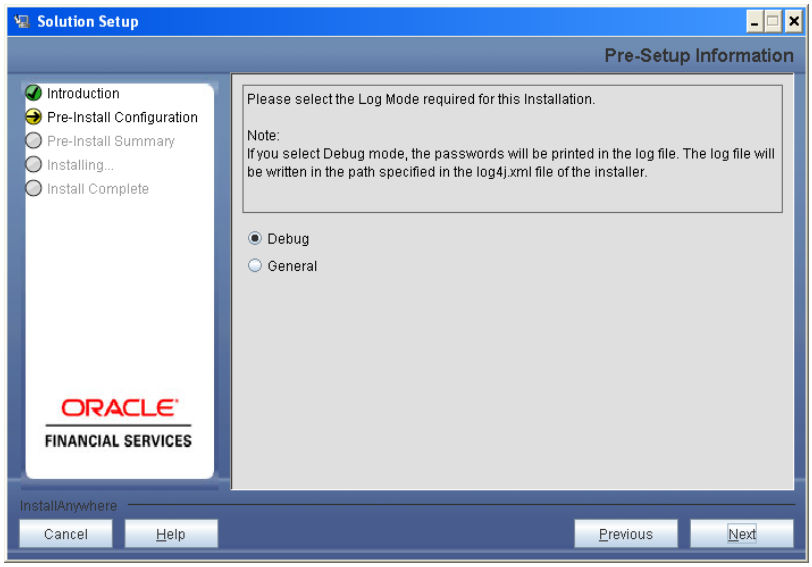

Figure 4: Log Mode Option Screen

Step 4

Please provide the 9 digit Customer Identification number provided during the OFSAAI installation.

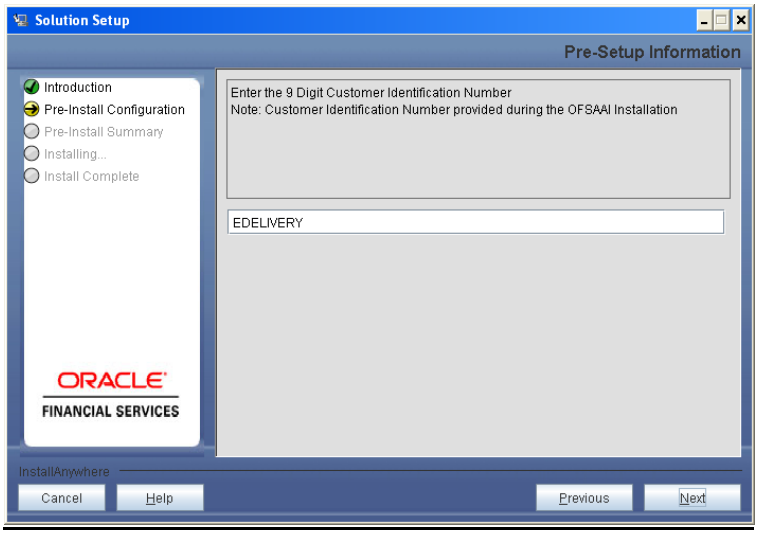

Figure 5: Customer ID Input Screen

Click **Next** to continue.

Step 5

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

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

Example **AppLayer**

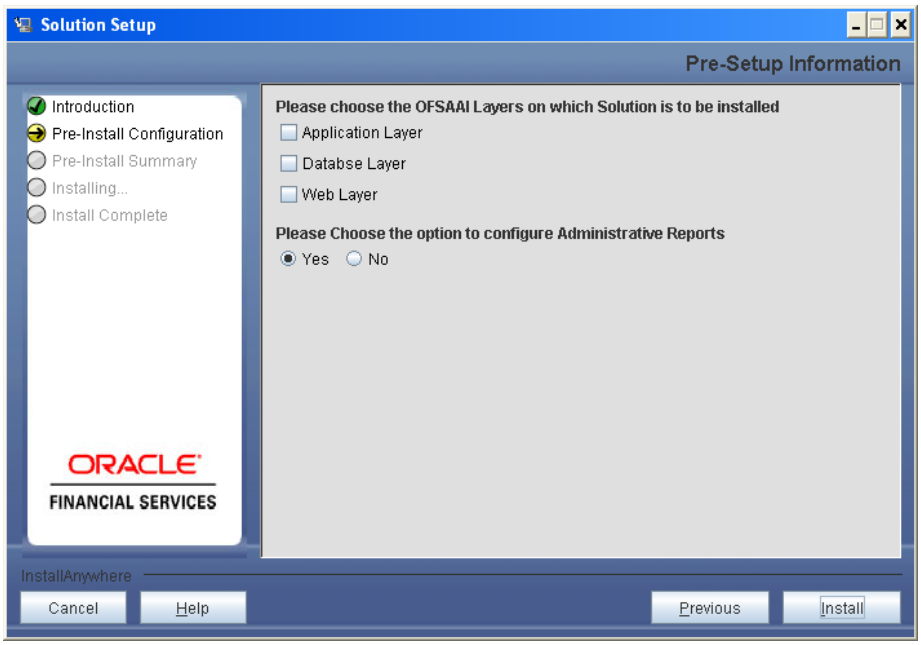

Figure 6: Pre Setup Information Screen – Choose Layer to Install

Along with appropriate Oracle Financial Services Analytical Applications Infrastructure layer choose Administrative Reports to configure the Administrative Reports application.

NOTE

- For a single-tier Oracle Financial Services Analytical Applications Infrastructure installation, you must select App Layer, DB Layer and Web layer. For a multi-tier Oracle Financial Services Analytical Applications Infrastructure installation, select the corresponding layer installed on the machine.
- In case Admin BI is already configured through the previous product installation; the subsequent product installation without Admin BI option may alter the existing Admin BI configuration settings.

Step 6

This panel seeks infromation on whether a new infodom has to be created or the existing infodom to be used for apps installtion. Please choose the desired option.

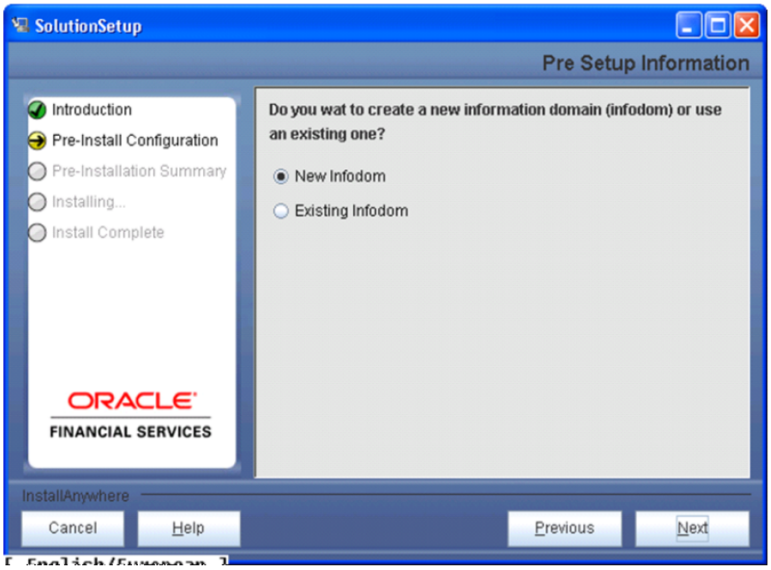

Figure 7: Pre Setup Information Screen – Infodom type

Click **Next** to continue.

Step 7-i

If the option “New Infodom” was chosen in the previous panel then the following panel will be next displayed which will seek information of the following details to create infodom.

Please specify a DB name for the new infodom. Please make a TNS entry with the DB name specified in the tnsname.ora file in the oracle server.

Please enter the newly created atomic schema user name, password, jdbc url in relevant fields.

Click **Next** to continue

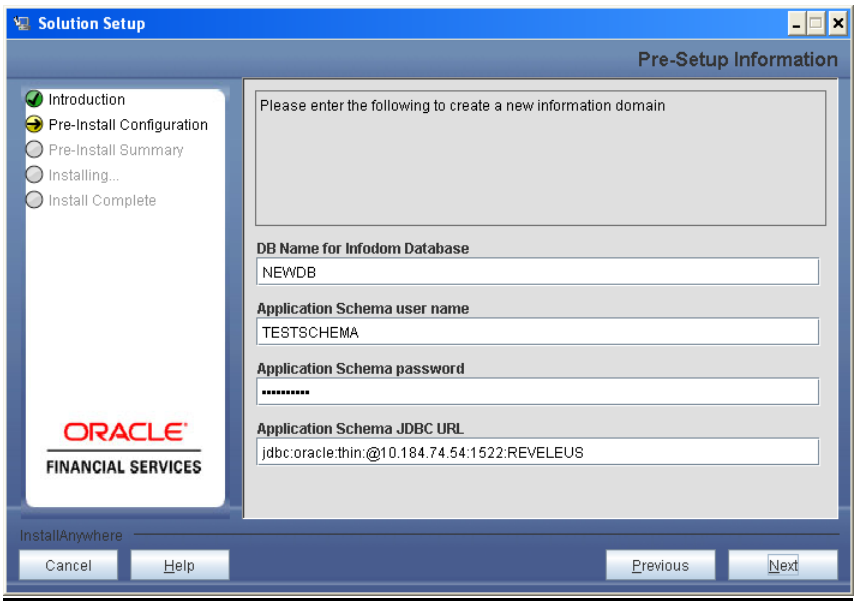

Figure 8: Database details for the new Infodom

Step 7-ii

If the option “New Infodom” was chosen in the previous panel then the following panel will be displayed following the panel 7-i which will seek further information of the following details to create infodom.

Please specify the name and description for the new infodom to be created.

Please specify a segment name to be created.

Note: Here, recommended Infodom Name limit is max 10 characters, and Segment name should not exceed 10 characters.

Also specify the Application server and database server log path for infodom maintenance (to be created)

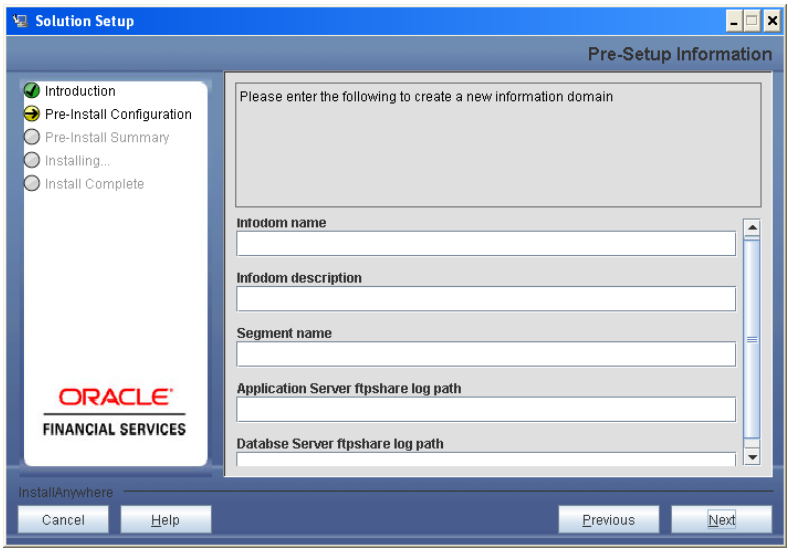

Figure 9: Infodom details for creation of new Infodom

Click **Next** to continue.

Step 7-iii

If the option “New Infodom” was chosen in the previous panel then the following panel will be displayed following the panel 7-ii which will display the pre-infodom creation details. Please check and verify all the details before proceeding to the next step.

Click **Next** to continue. A new information domain will be created on clicking Next.

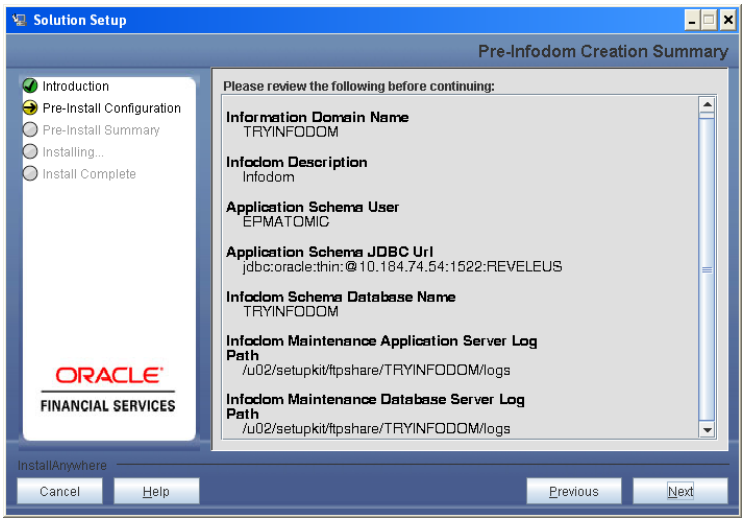

Figure 10: Pre Infodom Creation Summary

Step 7-iv

If the option “Existing Infodom” was chosen in the Step 6 then the following panel will be displayed which will prompt to select the infodom from list of infodoms present in the setup, enter segment code and enter the application schema’s TNS name.

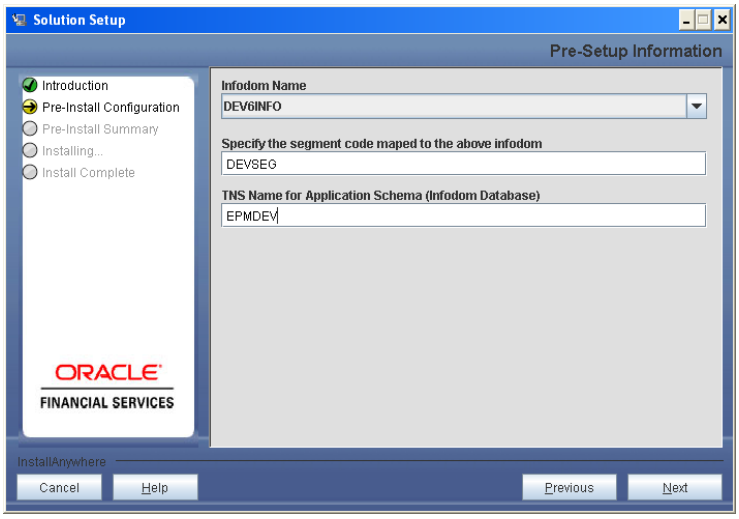

Figure 11: Installation in Progress

Step 8

HM v6.1 (6.1.0.0.0) data model is packaged as part of HM v6.1 (6.1.0.0.0) product installer and will be installed as part of the upcoming steps, if required.

Clicking ‘No’ implies that HM v6.1 (6.1.0.0.0) model has been uploaded into information domain prior to this installation.

Clicking ‘Yes’ will proceed with the HM v6.1 (6.1.0.0.0) model upload process as part of the installation.

If the user selects “Yes”, Step 9 and 10 will be performed. will appear.

Upon selecting “No..”, Step 9 to 10 will be skipped.

Click **Next** to proceed.

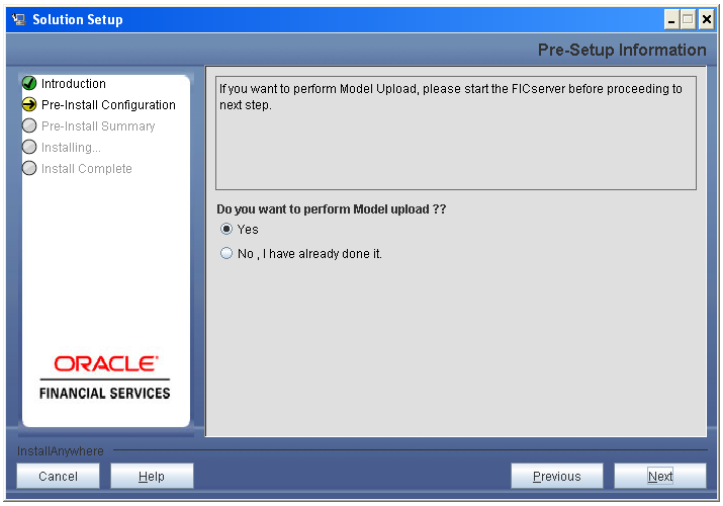

Figure 12: Pre-Setup Information

Step 9

The following panel prompts the user to choose whether the released version of Datamodel or the customized datamodel to be uploaded.

On selecting 'Released Data Model' option, installer uploads the HM v6.1 (6.1.0.0.0) data model that is packaged as part of the HM v6.1 (6.1.0.0.0) product.

On selecting 'Customized Data Model' option, installer allows the user to select the data model.Please choose desired option.

Click **Next** to proceed.

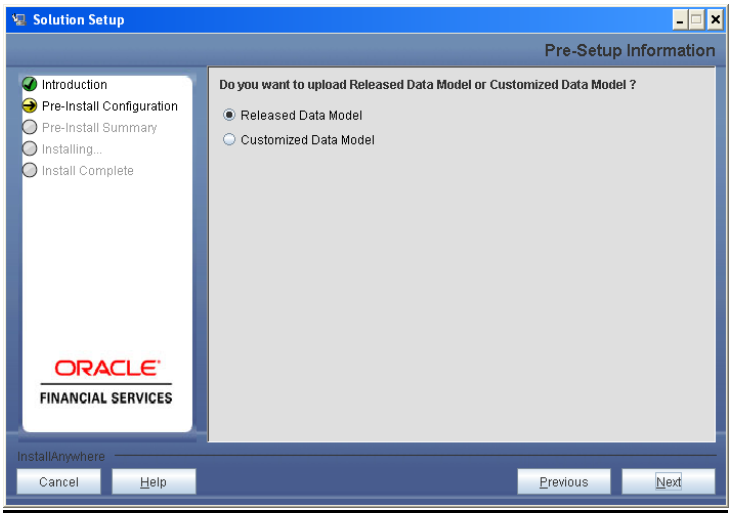

Figure 13: Pre – Setup information

Step 10

If the option "Customized Data Model" was chosen then the following panel will be displayed prompting user to select the customized data model located in the machine.

Please choose the customized datamodel file from the server.

Note:

- The data model xml file should be available in the server.
- In case the installation is being performed on an existing information domain, the data model that is planned to be selected in this panel should be merged with the data model that was previously uploaded in the information domain.

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

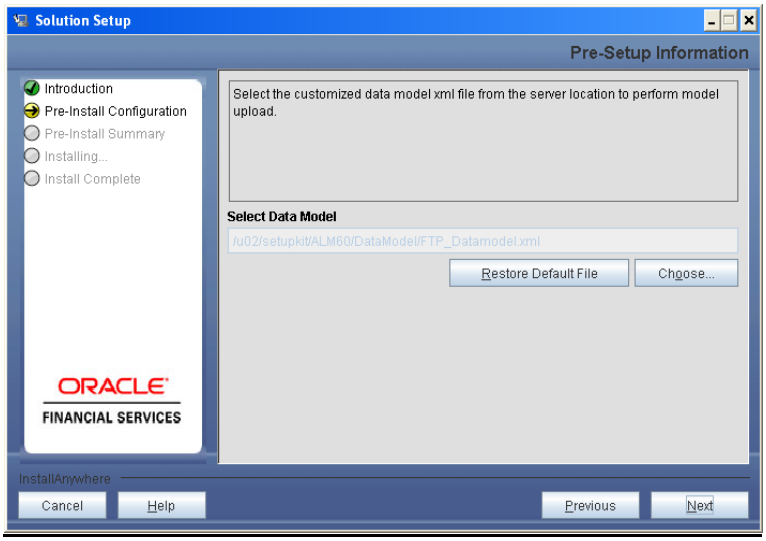

Figure 14: Pre – Setup information

Step 11

The following panel displays pre-model upload details.

Please verify the details before proceeding to the next step.

Click **Next** to proceed for model upload.

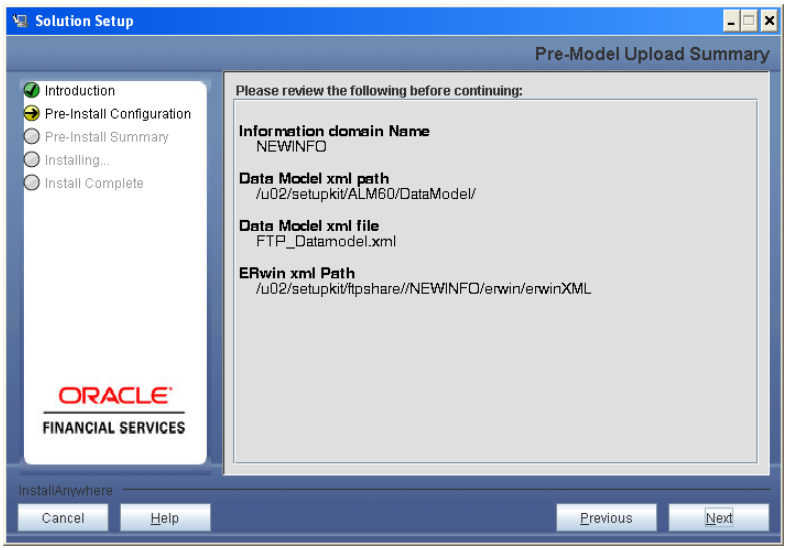

Figure 15: Pre – Model Upload Summary

Clicking on 'Next' will start the model upload process. This process will take some time depending on the size of the data model and available physical memory in the environment. User will not be able to take any further action on the screen, until the model upload process is complete. Also, this step cannot be rolled back.

If the model upload fails, then a pop-up message with relevant error and the log file path will be displayed.

Review errors and take relevant action. Continue with this step until the model upload is successful and the installer takes the user to next step.

Note:

Some of the common errors during model upload 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 :

  “FAILED WHILE SUPER CATEGORY - SUB CATEGORY RELATIONS HANDLINGDELETING”

  Possible reason/resolution: Incorrect Erwin.xsl file version in $FIC_APP_HOME/common/FICServer/conf directory.

- Incremental/Sliced model upload might give errors in case there are NOT NULL columns that are being added to a table that already has rows or if the columns that are being dropped have values. Check the data model changes excel file for any such cases. In such a case, take a backup of the table and truncate the table. Insert records back into the table with a default value for the NOT NULL column.

Navigate to the previous screen and proceed with the steps mentioned above.

Step 12

The following panel seeks input from the user on whether to create new ETL application/source pair or use an existing one.

In case of upgrade, if customer selects an existing application/source pair, then existing ETL definitions under the source will be over-written with the packaged definitions. Customer can also choose to create a new application / source pair and then merge the changes between the packaged definition and their existing definitions offline.

Please choose a desired option.

Click **Next** to continue

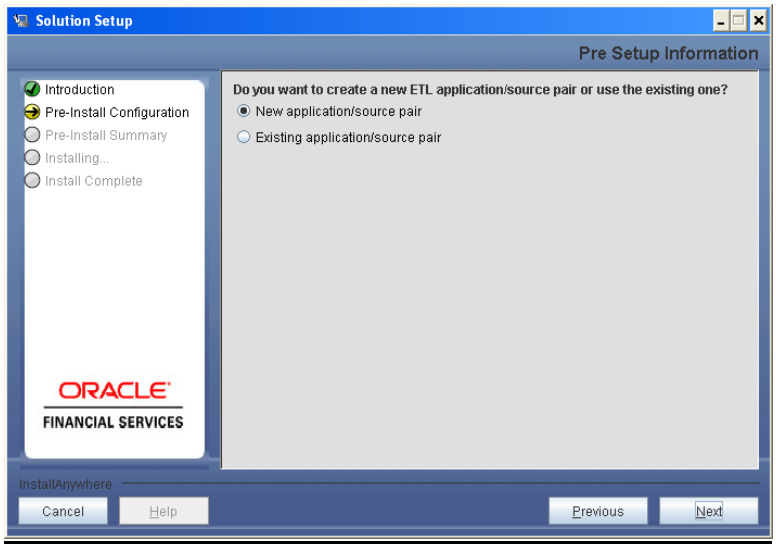

Figure 16: Pre – Setup Information

Step 13-i

If the option ”New application/source pair” was chosen then the following panel will displayed seeking the application and source name for creation of the same.

Please specify all the details required for application and source creation.

Click **Next** to proceed.

Clicking ‘Next’ will create application and source within OFSAAI. Source model will also be generated. This process will take some time depending on the number of entities / attributes in the atomic schema. This step cannot be rolled back.

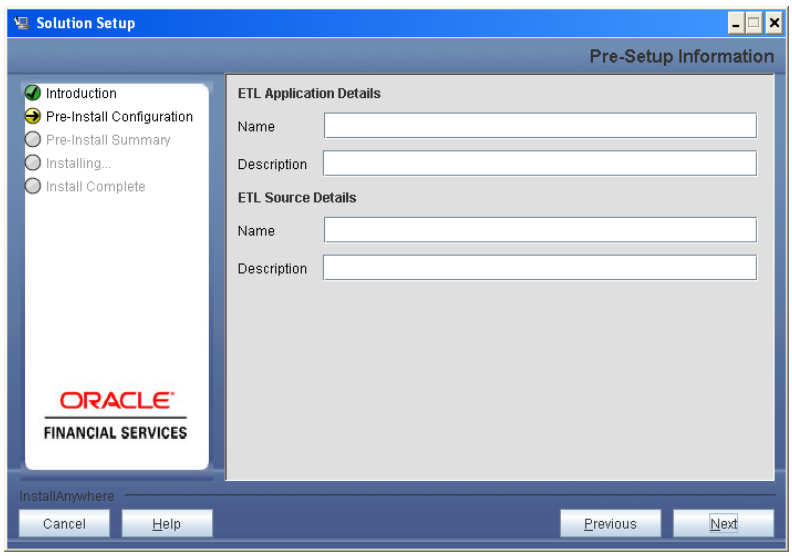

Figure 17: Pre – Setup Information

Note:

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

Step 13-ii

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

Please choose the desired ETL application/source pair into which ETL definitions will be deployed.

Click **Next** to proceed

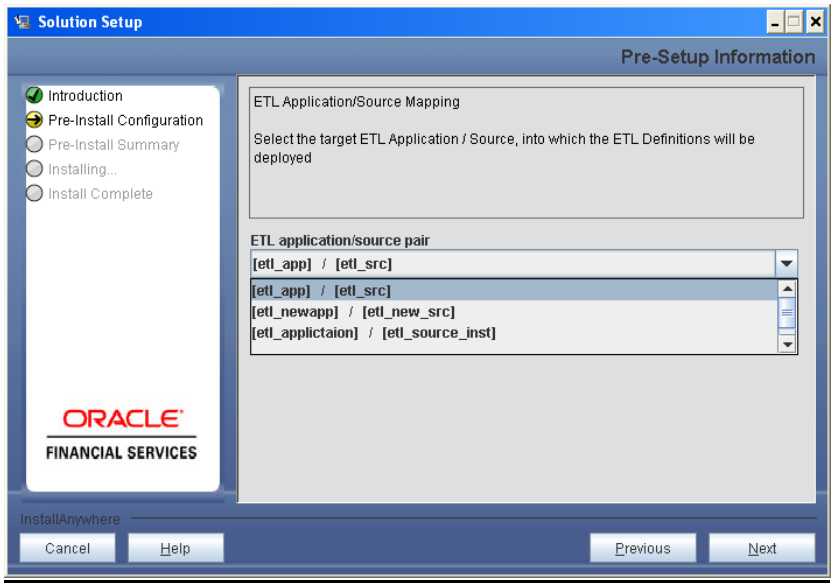

Figure 18: Pre – Setup Information

Step 14

This panel displays all the pre-installation summary. Please verify all details and proceed.

Click **Install** to proceed.

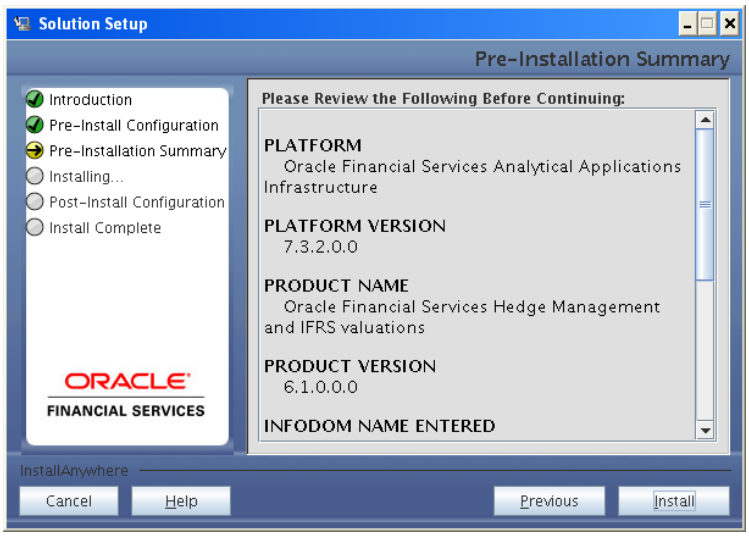

Figure 19: Pre – Install Summary

Step 15

This panel displays the installation process. Please wait until it completes.

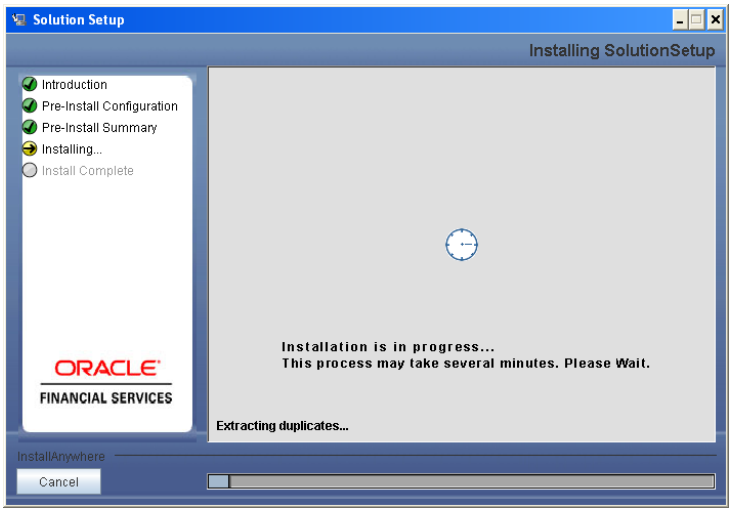

Figure 20: Installation is in progress

Step 16

The following screen displays the completion of installation of the Oracle Financial Services Hedge Management Product Setup.

Click **Done** to exit.

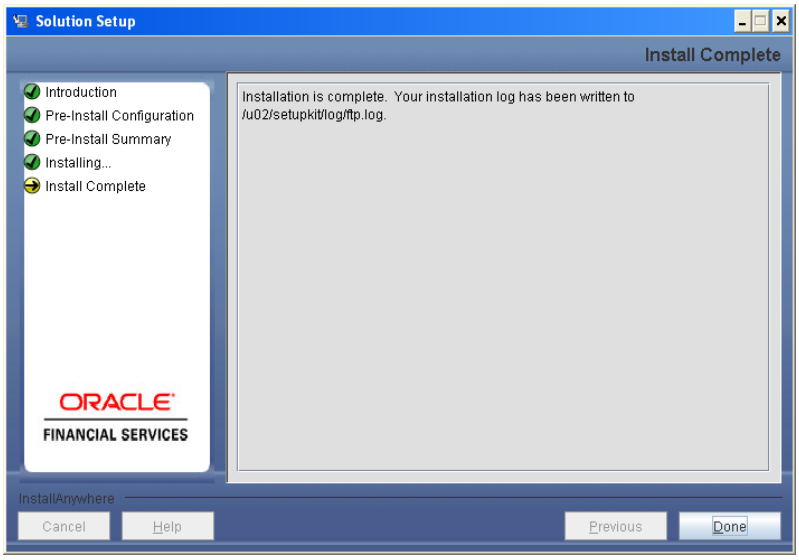

Figure 21: Installation Complete

Machine B – Product Database Layer

Step 1

To begin Oracle Financial Services Hedge Management product installation, execute Setup.sh.

Figure 22: Installation Splash Screen

Step 2

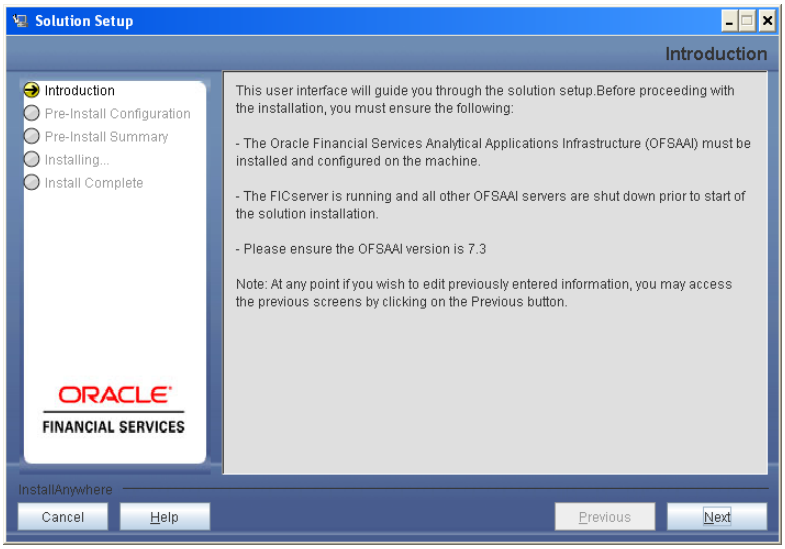

Figure 23: Introduction Screen

Upon invoking the installer, the **Introduction** screen will display the pre-requisites for installation. Ensure that the pre-requisites are satisfied before you proceed.

Step 3

Please choose the log mode for this installer. In case, if Debug is selected, the Passwords will be printed in the Log File.

Click **Next** to proceed.

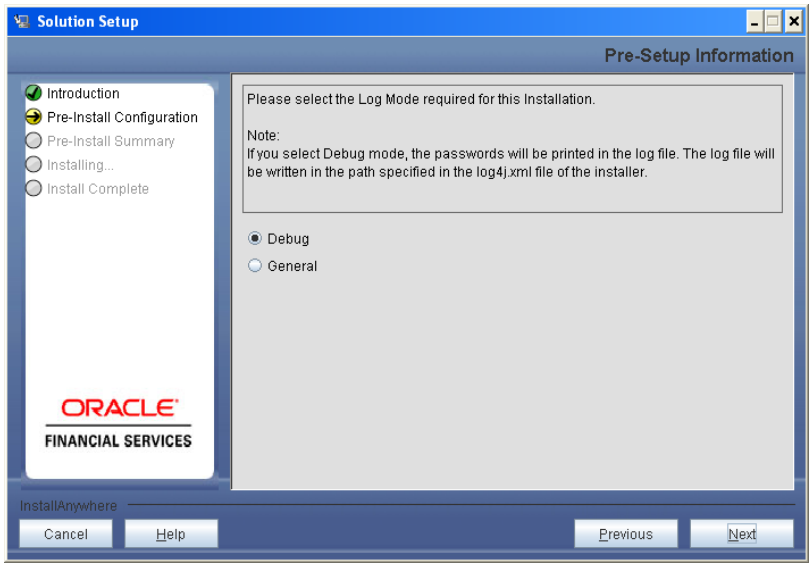

Figure 24: Log Mode Option Screen

Step 4

Please provide the 9 digit Customer Identification number provided during the OFSAAI installation.

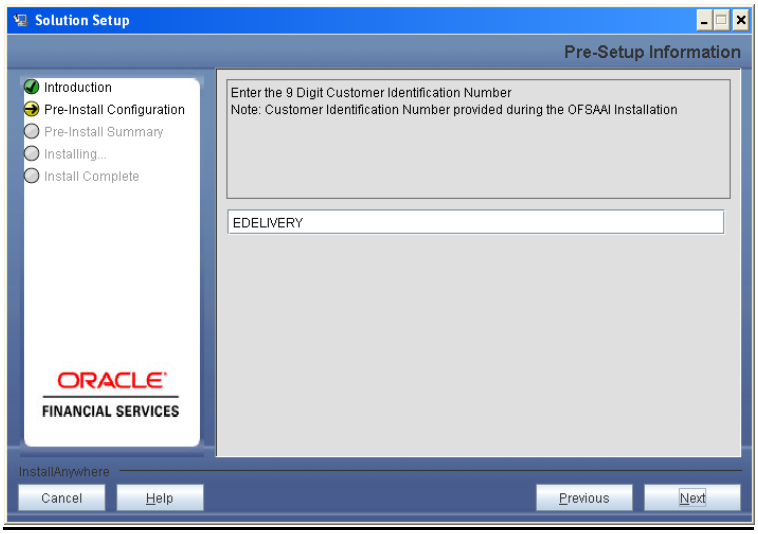

Figure 25: Customer ID Input Screen

Click **Next** to continue.

Step 5

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

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

Example **Database Layer**

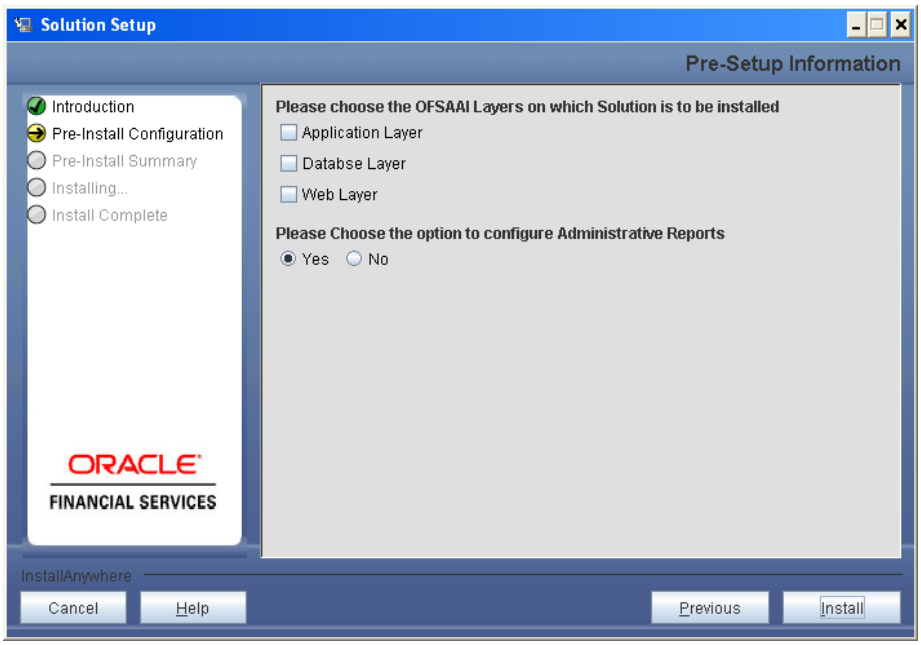

Figure 26: Pre Setup Information Screen – Choose Layer to Install

Along with appropriate Oracle Financial Services Analytical Applications Infrastructure layer choose Administrative Reports to configure the Administrative Reports application.

NOTE

- For a single-tier Oracle Financial Services Analytical Applications Infrastructure installation, you must select App Layer, DB Layer and Web layer. For a multi-tier Oracle Financial Services Analytical Applications Infrastructure installation, select the corresponding layer installed on the machine.
- In case Admin BI is already configured through the previous product installation; the subsequent product installation without Admin BI option may alter the existing Admin BI configuration settings.

Step 6

If the option “Existing Infodom” was chosen in the Step 6 then the following panel will be displayed which will prompt to select the infodom from list of infodoms present in the setup, enter segment code and enter the application schema’s TNS name.

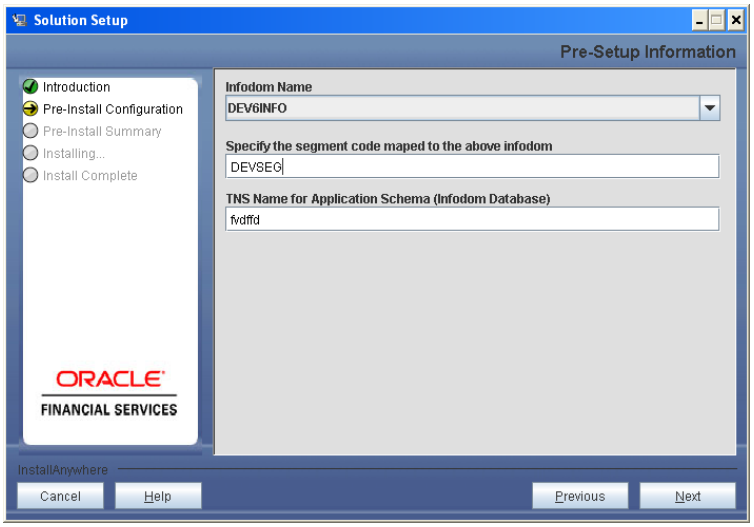

Figure 27: Pre Setup Information Screen

Step 7

Please specify the Tablespace name(Infodom database).

Click **Next** to proceed.

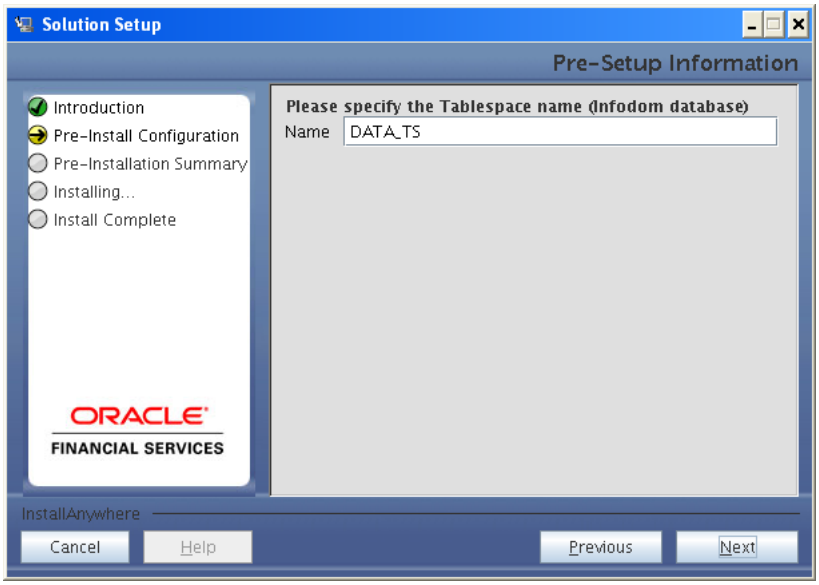

Figure 28: Pre Setup Information Screen

Step 8

This panel displays all the pre-installation summary. Please verify all details and proceed.

Click **Install** to proceed.

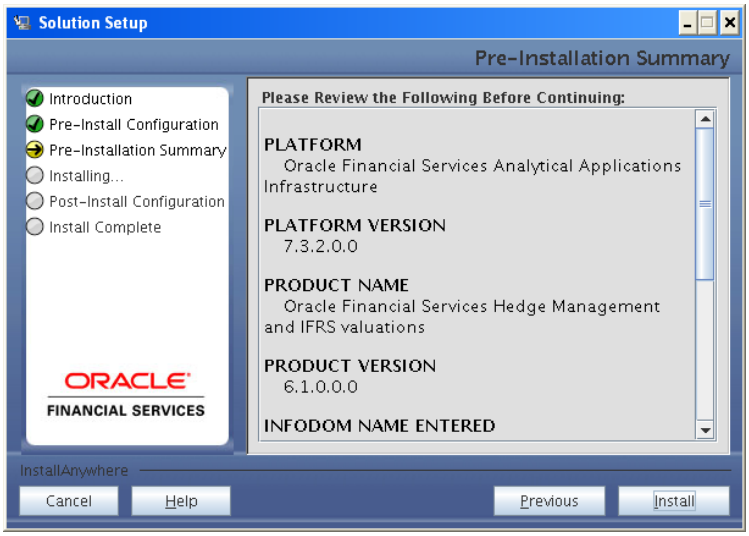

Figure 29: Pre – Install Summary

Step 9

This panel displays the installation process. Please wait until it completes.

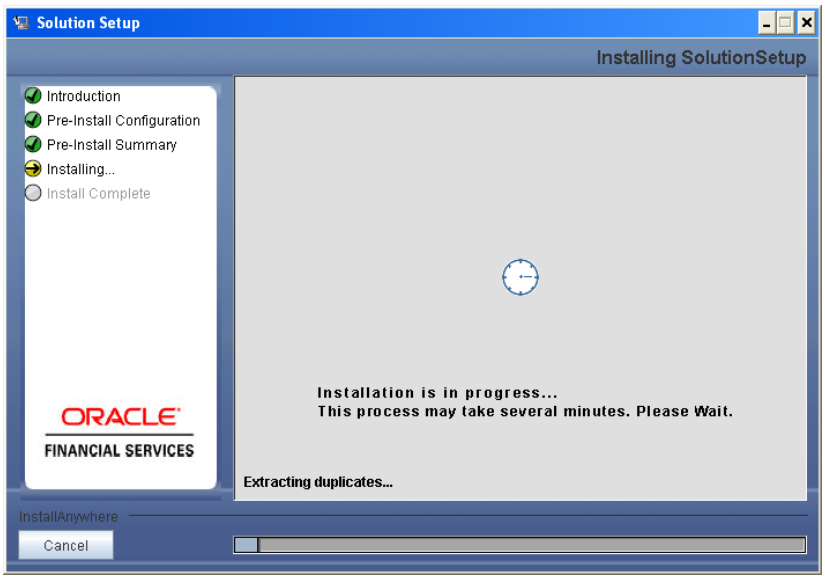

Figure 30: Installation is in progress

Step 10

Please select whether you want to configure the sandboxes through installer or you want to perform this step manually later.

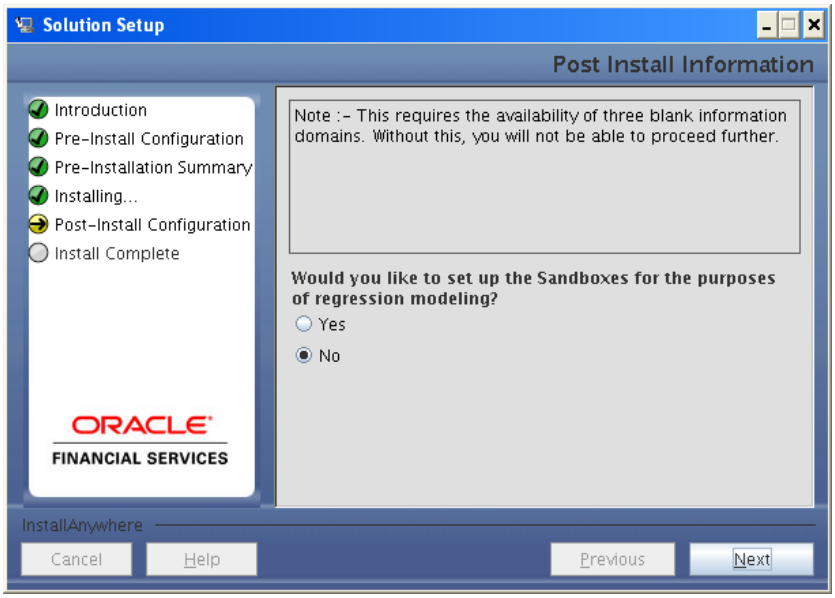

Figure 26: Post-Install Configuration

Selecting “Yes , Please configure the sandboxes” option will take you to the next step.

If you select “No, I will perform this manually” it will take you directly to the **Step 14**

NOTE

- For performing sandbox creation manually please refer to the following document.

  OFSAAI Modeling Framework User Manual.pdf

Click **Next** continue.

Step 11

The following screen request for selecting different three different information domains for three separate sandboxes. Please select a different information domain for each sandbox from the list of dropdown menu for each sandbox.

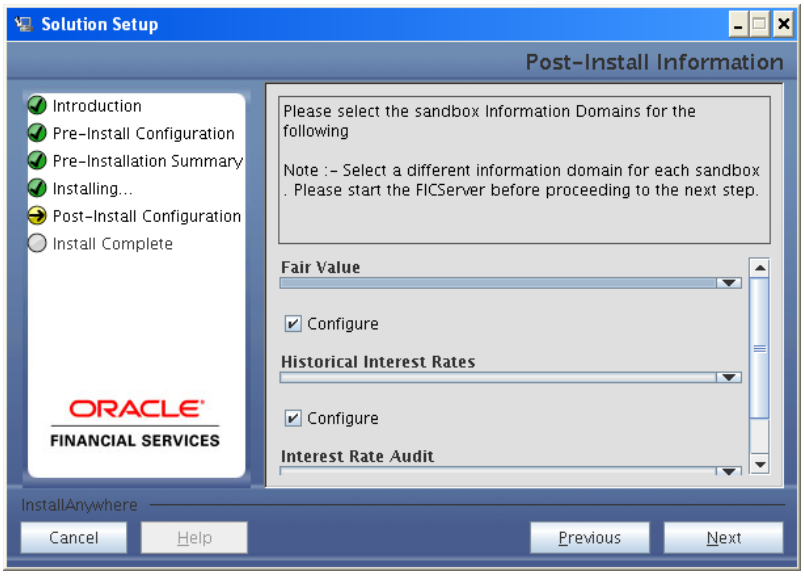

Figure 27: Selection of information domains for sandboxes

Click **Next** continue.

Step 13

The following screen displays the completion of installation of the Oracle Financial Services Hedge Management Product Setup.

Click **Done** to exit.

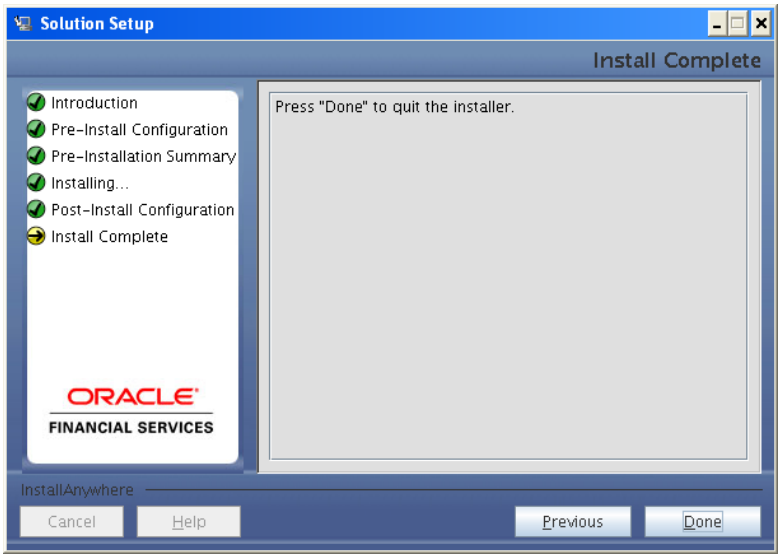

Figure 31: Installation Complete

Machine C – Product Web Layer

Step 1

To begin Oracle Financial Services Hedge Management product installation, execute Setup.sh.

Figure 32: Installation Splash Screen

Step 2

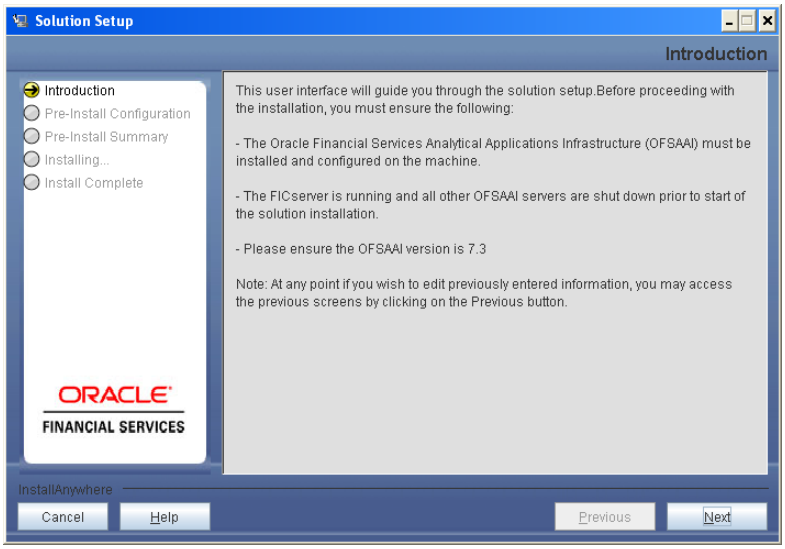

Figure 33: Introduction Screen

Upon invoking the installer, the **Introduction** screen will display the pre-requisites for installation. Ensure that the pre-requisites are satisfied before you proceed.

Step 3

Please choose the log mode for this installer. In case, if Debug is selected, the Passwords will be printed in the Log File.

Click **Next** to proceed.

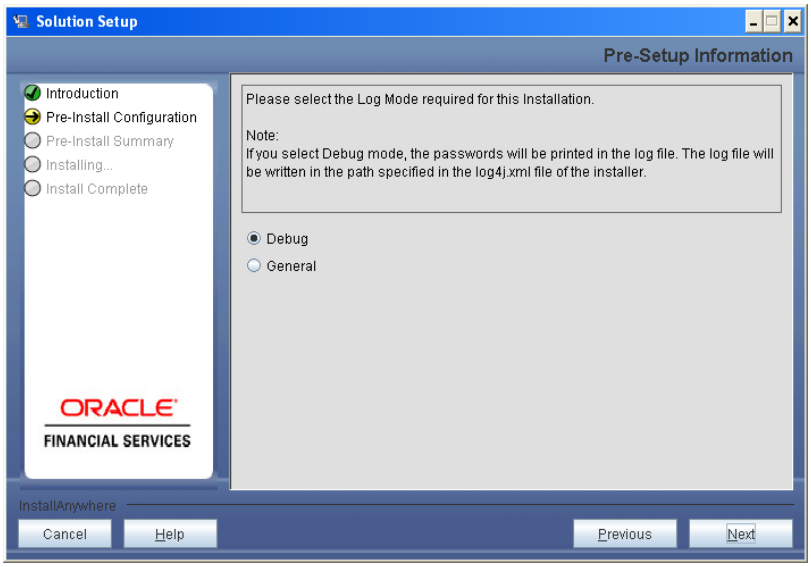

Figure 34: Log Mode Option Screen

Step 4

Please provide the 9 digit Customer Identification number provided during the OFSAAI installation.

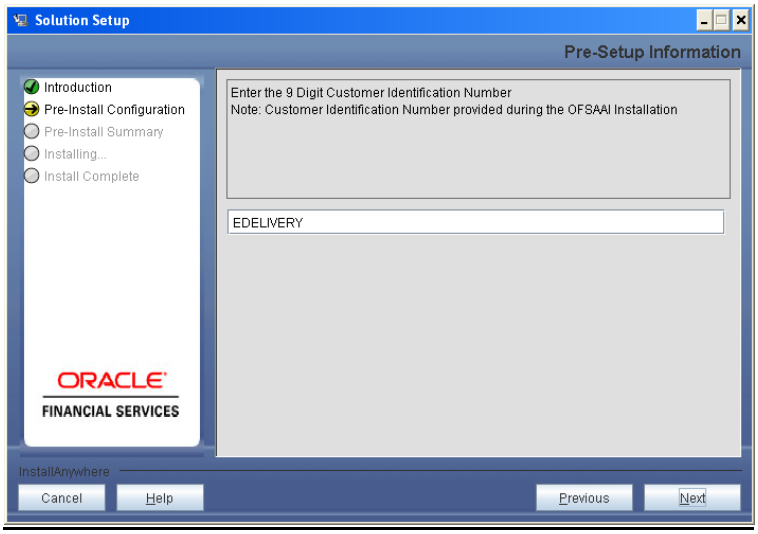

Figure 35: Customer ID Input Screen

Click **Next** to continue.

Step 5

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

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

Example **Web Layer**

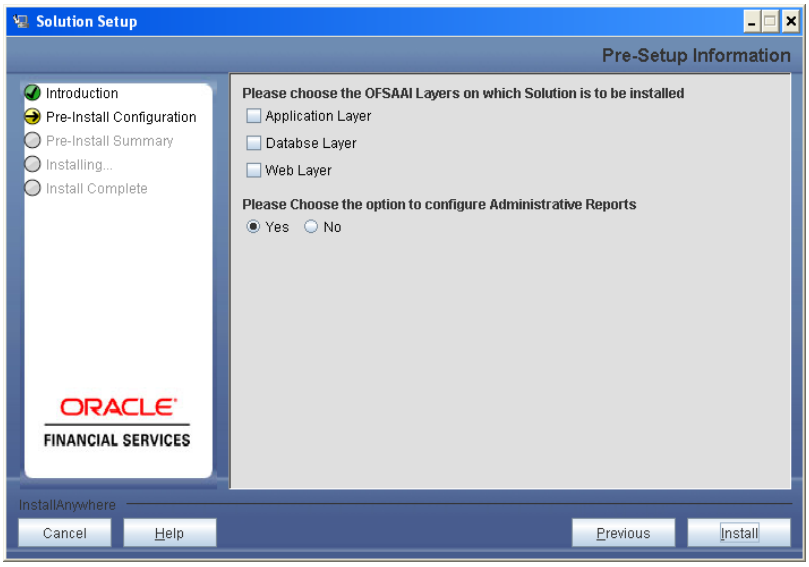

Figure 36: Pre Setup Information Screen – Choose Layer to Install

Along with appropriate Oracle Financial Services Analytical Applications Infrastructure layer choose Administrative Reports to configure the Administrative Reports application.

NOTE

- For a single-tier Oracle Financial Services Analytical Applications Infrastructure installation, you must select App Layer, DB Layer and Web layer. For a multi-tier Oracle Financial Services Analytical Applications Infrastructure installation, select the corresponding layer installed on the machine.
- In case Admin BI is already configured through the previous product installation; the subsequent product installation without Admin BI option may alter the existing Admin BI configuration settings.

Step 6

If the option “Existing Infodom” was chosen in the Step 6 then the following panel will be displayed which will prompt to select the infodom from list of infodoms present in the setup, enter segment code and enter the application schema’s TNS name.

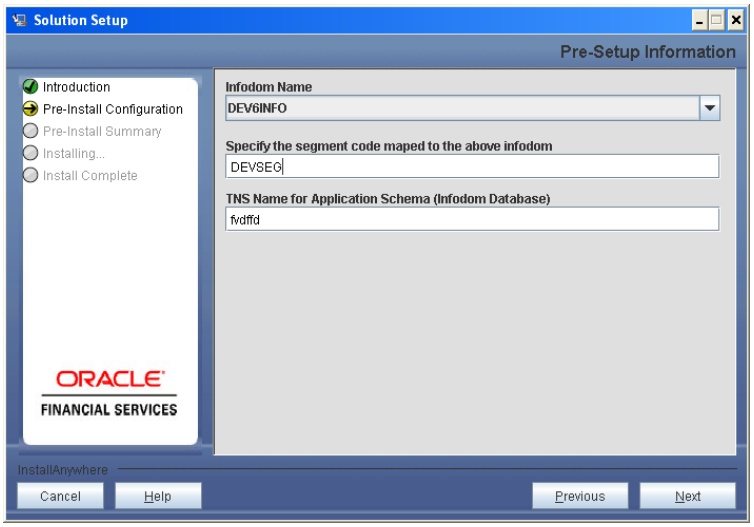

Figure 37: Pre Setup Information Screen

Step 7

The Pre Setup Information screen requests for the Oracle Business Intelligence installed host machine IP, port-number and context name.

Click **Next** to continue.

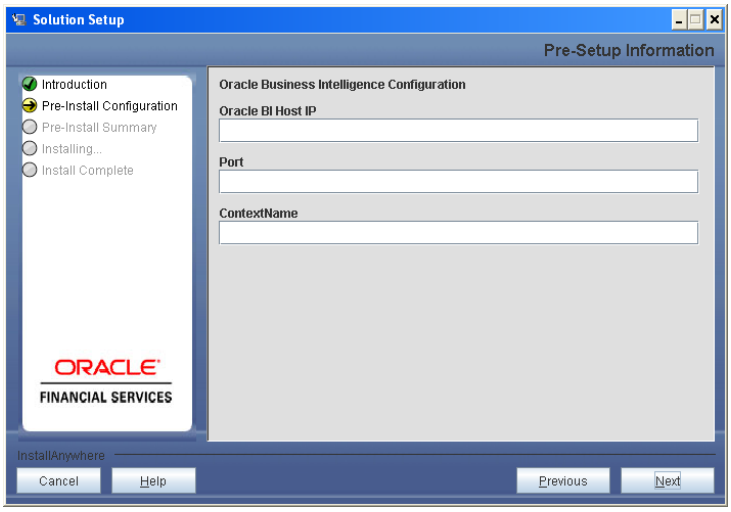

Figure 38: Pre Setup Information Screen

Step 8

This panel displays all the pre-installation summary. Please verify all details and proceed.

Click **Install** to proceed.

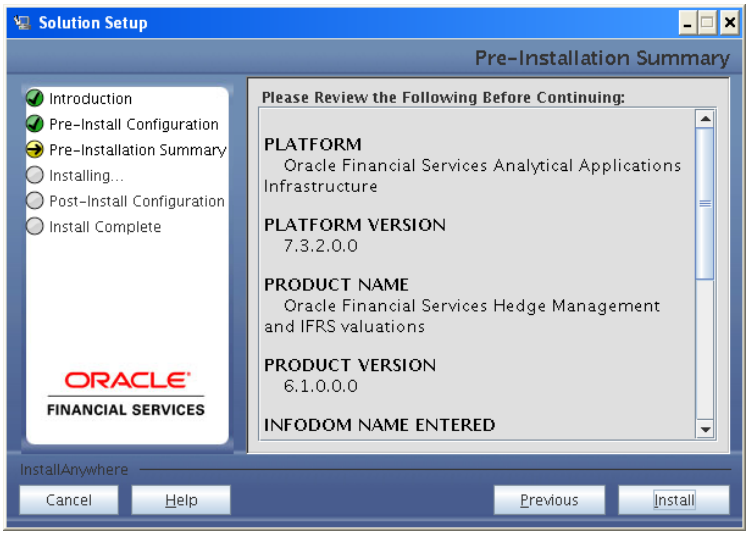

Figure 39: Pre – Install Summary

Step 9

This panel displays the installation process. Please wait until it completes.

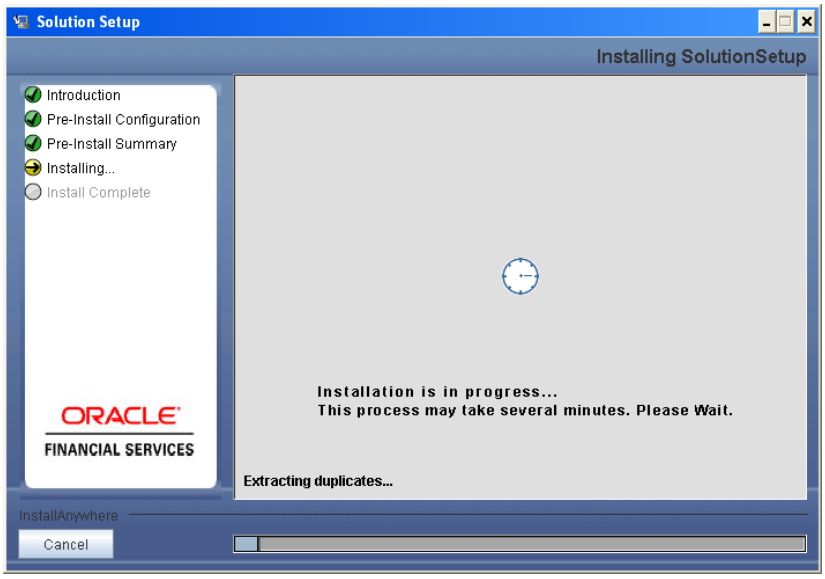

Figure 40: Installation is in progress

Step 10

The following screen displays the completion of installation of the Oracle Financial Services Hedge Management Product Setup.

Click **Done** to exit.

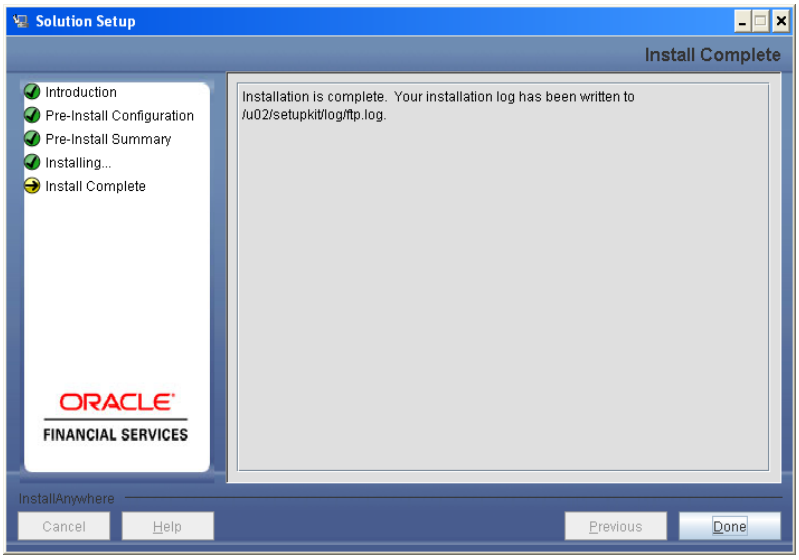

Figure 41: Installation Complete

Silent Installation

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

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
INSTALL_WEB	Install web-tier components	0 = No 1 = Yes	Default : 0
INSTALL_DB	Install database-tier components	0 = No 1 = Yes	Default : 0
INSTALL_APP	Install Application-tier components be installed	0 = No 1 = Yes	Default : 0
INSTALL_ADMIN_BI	Install admin-BI components	0 = No 1 = Yes	Default : 0 Applicable only if INSTALL_WEB=1 OR INSTALL_DB=1
INFODOM_NAME	Information Domain(infodom)	Not Applicable	MANDATORY
SEGMENT_CODE	Segment Code	Not Applicable	MANDATORY Segment Code should not exceed 10 characters
TABLESPACE	Tablespace name	Not Applicable	MANDATORY
INFODOM_TYPE	New Infodom or Existing Infodom	0 = New 1 = Existing	# Specify Infodom Type Mandatory if this an App Layer Installation and option selected for INSTALL_APP=1

APPL_TNS	TNS Name of the Infodom database	Not Applicable	MANDATORY
APPL_USER	User-id of the Database Schema for new Infodom	Not Applicable	# Mandatory if this an App Layer Installation and want to create a new infodom # Option selected for 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 want to create a new infodom # Option selected for INSTALL_APP=1 and INFODOM_TYPE=0
APPL_URL	JDBC Connection String of the Database Schema for new Infodom	Not Applicable	# Mandatory if this an App Layer Installation and want to create a new infodom # Option selected for INSTALL_APP=1 and INFODOM_TYPE=0
RAC_STATUS	whether the Database Schema for new Infodom is a RAC database	Not Applicable	# Mandatory if this an App Layer Installation and want to create a new infodom # Option selected for INSTALL_APP=1 and INFODOM_TYPE=0
INFODOM_DESC	Description for the Database Schema for new Infodom	Not Applicable	# Mandatory if this an App Layer Installation and want to create a new infodom # Option selected for INSTALL_APP=1 and INFODOM_TYPE=0
APHM P_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 want to create a new

			infodom # Option selected for 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 want to create a new infodom # Option selected for INSTALL_APP=1 and INFODOM_TYPE=0
OBI_HOST	Host Name of the OBIEE Server	Not Applicable	Applicable if INSTALL_ADMIN_BI=1
OBI_PORT	Port Number of the OBIEE Server	Not Applicable	Applicable if INSTALL_ADMIN_BI=1
OBI_CONTEXT	Context Name of the OBIEE Server	Not Applicable	Applicable if INSTALL_ADMIN_BI=1
UPLOAD_MODEL	wheter 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
DATAMODEL	the path for the cutomized datamodel	Not Applicable	# Mandatory only in the case of uploading the customized datamodel # Option selected for MODEL_TYPE=1
DM_DIRECTORY	the file name for the cutomized datamodel	Not Applicable	# Mandatory only in the case of uploading the customized datamodel # Option selected for MODEL_TYPE=1
ETL_APP_NAME	The ETL application name	Not Applicable	# Mandatory if this an App Layer installation # Option selected for INSTALL_APP=1
ETL_SRC_NAME	The ETL Source into which the Table-2-Table ETL definitions on staging tables will be	Not Applicable	This Source must be mapped to the above ETL Application

	deployed		
ETL_APPSRC_TYPE	create new ETL App/Src pair or use an existing one	0 = New 1 = Existing	# Mandatory if this an App Layer installation # Option selected for INSTALL_APP=1 # 0 = If you want to create a new ETL app/src pair # 1 = If you want to use an existing pair
ETL_APP_DESC	Please give description for the ETL App	Not Applicable	# Mandatory if you want to create new ETL app/src pair # Option selected for ETL_APPSRC_TYPE=0
ETL_SRC_DESC	Please give description for the ETL Src	Not Applicable	# Mandatory if you want to create new ETL app/src pair # Option selected for ETL_APPSRC_TYPE=0

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
- 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.

ADCo –Deployment of ADCo libraries on OFSAAI

Pre-requisites:

- ALM 6.1 / Hedge Management 6.1
- ADCo v1.9 libraries for Loan-Dynamic-Model, for your operating system / version
    - Note: ADCo is not available on IBM AIX operating systems

Steps:

- *Preparation*
    - Login to the UNIX Profile where OFSAAI database-tier is installed
    - Create a folder called “adco”; create 3 sub-folders under “adco”: “io”, ”data”, “lib”
    - Edit the .profile script and set the following environment variables
        - ADCO_IO_DIR: set it to the absolute path of the “io” sub-folder created above
        - DATAFILEDIR: set it to the absolute path of the “data” sub-folder created above
        - LD_LIBRARY_PATH: update this environment variable to include the absolute-path of the “lib” sub-folder created above
    - Stop all OFSAAI services
    - Log-out of the UNIX Session and log back in to UNIX. Verify that the 3 environment variables created above are set properly
    - Start all OFSAAI Services
- *Deployment*
    - Download the v1.9 ADCo libraries and place the file “'libadppmdl.so” into the “adco/lib” sub-folder
    - Place the monthly license-key & historical-rate files into the “adco/data” sub-folder
    - If you have been provided the following 2 files by ADCo, place both of these files in the “adco/io” sub-folder
        - ADCO_DefaultValues_INACTIVE.txt
        - ADCO_XMLSettings_INACTIVE.txt
- *Enable ADCo functionality in ALM / HM*
    - Login to OFSAAI
    - Under the OFSAAI Home Page, go to Administration -> Security Management
    - Expand System Administrator and click “Function – Role Map”
    - Associate the SMS-Function “ADCO Prepayments for ALM” with the required roles
    - Associate the SMS-Function “ADCO Prepayments for Hedge Management” with the required roles

Post Installation Activities

Oracle Financial Services Analytical Applications Infrastructure Server Memory Configuration

The Oracle Financial Services Analytical Applications Infrastructure Application Server is started using reveleusstartup.sh. Please raise an SR in **support.oracle.com** if you have any queries related to EPM applications.

Once the installation of Oracle Financial Services Hedge Management and IFRS Valuations Product is completed, you must perform the following steps.

- Check the Log file (The path and file name specified in the log4j.xml).
- Ignore the following errors in the log file:
  - Error: ORA-02260: table can have only one primary key.
  - Error: ORA-00955: name is already used by an existing object.
  - Error: ORA-00001: unique constraint (<<UNIQUE KEY NAME>>) violated.
  - Error: ORA-02275: such a referential constraint already exists in the table.
  - Error: ORA-01430: column being added already exists in table.
  - Error: ORA-02303: cannot drop or replace a type with type or table dependents.
- Ignore following errors if the setup is upgraded from 6.0.1/6.0.2/6.0.3 or if Funds transfer Pricing v6.1.0.0.0 and Hedge Management solution v6.1.0.0.0 and Asset Liability Management v6.1.0.0.0 and Pricing Management v6.1.0.0.0 is/are installed in the same infodom.
  - Error:ORA-01442: column to be modified to NOT NULL is already NOT NULL
  - Error:ORA-01451: column to be modified to NULL cannot be modified to NULL
  - Ignore these errors for FSI_M_PROD_CHARACTERISTICS
    - Error:ORA-00904: "RATE_PRICING_OPTION_P": invalid identifier
    - Error:ORA-00904: "BOUGHT_SOLD_FLG_P": invalid identifier
    - Error:ORA-00904: "RATE_FLOOR_LIFE_P": invalid identifier
    - Error:ORA-00904: "NET_MARGIN_P": invalid identifier
    - Error:ORA-00904: "GROSS_MARGIN_P": invalid identifier
    - Error:ORA-00904: "ACCR_BASIS_P": invalid identifier
    - Error:ORA-00904: "ADJ_TYPE_P": invalid identifier
    - Error:ORA-00904: "COMP_BASIS_P": invalid identifier
    - Error:ORA-00904: "MIN_RATE_CHANGE_P": invalid identifier
    - Error:ORA-00904: "BINARY_RANGE_CAP_P": invalid identifier

- Error:ORA-00904: "BINARY_RANGE_FLOOR_P": invalid identifier
- Error:ORA-00904: "RATE_PRICING_OPTION_R": invalid identifier
- Error:ORA-00904: "BOUGHT_SOLD_FLG_R": invalid identifier
- Error:ORA-00904: "RATE_CAP_LIFE_R": invalid identifier
- Error:ORA-00904: "NET_MARGIN_R": invalid identifier
- Error:ORA-00904: "GROSS_MARGIN_R": invalid identifier
- Error:ORA-00904: "ACCR_BASIS_R": invalid identifier
- Error:ORA-00904: "ADJ_TYPE_R": invalid identifier
- Error:ORA-00904: "COMP_BASIS_R": invalid identifier
- Error:ORA-00904: "MIN_RATE_CHANGE_R": invalid identifier
- Error:ORA-00904: "BINARY_RANGE_CAP_R": invalid identifier
- Error:ORA-00904: "BINARY_RANGE_FLOOR_R": invalid identifier

    - Restore data from backup table for the below listed tables
        i. FCT_ACCOUNT_FAIR_VALUE
        ii. FCT_HEDGE_EFFECTIVENESS
        iii. DIM_INSTRUMENT_TYPE
        iv. DIM_RUN
        v. DIM_RESULT_BUCKET
    - For upgrade from 5.6 or below, navigate to "$FIC_APP_HOME/common/FICServer/bin" and Execute "./UpgradeConfig.sh".

- Apply the following one-off patch post successful installation.

    Bug 15956177 -- "ALPHANUMERIC CODE IS NOT POPULATED IN 7.3.2 FOR NUMERIC COLUMN CREATED FROM UI"

    ML Version - 7.3.2.0.7

    Note: Above mentioned patch is not required if platform 7.3.2.1 has been already applied.

- Add the below mentioned entries in excludeURLList.cfg file located in the path $FIC_WEB_HOME/webroot/conf/. These entries are required for Asset and Liability Management, Funds Transfer pricing, Profitability Management and Hedge Management / IFRS:
    - /fsapps/common/batchCreate.action
    - /fsapps/common/batchEdit.action

Note: Copy the above information into notepad, and then copy it from notepad into cfg file. Take extra care to avoid copying formatting characters into the cfg file.

- For Admin BI configuration follow the steps mentioned in Oracle Financial Services Administrative Reports on OBIEE 11g - Configuration Note.docx under $FIC_HOME/adminbi
- The web.xml under the path $FIC_WB_HOME \webroot\WEB-INF\ should have Resource tag, if not present add the tag and replace ORDEMO with the INFODOM name.

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

Note: Copy the above information into notepad, and then copy it from notepad into xml file. Take extra care to avoid copying formatting characters into the xml file.

Note: If a new segment is created after installation, then add the entry in below mentioned format in configuration table located in Config schema.

Paramname	Paramvalue	Description
<Infodom>__ROLE_HIER	V_role_code	Role code

Enabling the Limit Management Link:

Note: Follow the below steps to enable the Limit Management link, if **HM** is being installed and OFSAAI version is 7.3.2.1.0 ML.

1. Navigate to $FIC_APP_HOME/common/FICServer/conf location.
2. Open the CustomLHSMenu.xml (If file is not present, create a new file with the same name).
3. Add the below text, save and close the file.

```
<MENUITEM ID="LM" PROTECTED="false" LINK_TEXT="Limit Management" LINK_IMAGE="images/tree_icons_ror.gif"
URL="formsFramework/menu/LMindex.jsp" TOOLTIP_TEXT="Forms Framework" FGCOLOR="#000000" FONT_FACE="Arial,Helvetica" FONT_STYLE="normal" FONT_SIZE="12" BGIMAGE="images/rev_menu_orange.gif" CLOSE_ON_LOGOUT="false" ALLOWS_DUPLICATE="false" FUNCTION_LIST="SCR_LIM" HELP_LINK="help/help_en_US/ROR/helpfile.htm" HELP_IMAGE="images/rev_menu_help.gif">
        <PARAMETERS>
        <PARAM NAME="dsn" VALUE="%{dsn}"/>
        </PARAMETERS>
</MENUITEM>
```

4. Restart the OFSAAI APP Service.

Configuration in Websphere Application Server

- Create JDBC Provider for the configuration of connection pool for the above created Infodom (Refer to: the chapter *Creating the JDBC Provider* of the Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0 Installation Manual).
- Create a data source to access the data from the database. (Refer to: the chapter *Creating the Data Source* of the Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0 Installation Manual)
- After creating a Data Source, Click the newly created Data Source ($DATA_SOURCE$) and navigate to the path

Data sources>$DATA_SOURCE$>Connection pools

And set the values for Connection timeout to 0 seconds, Maximum connections to 100 connections, Minimum connections to 10 connections as shown in the below figure.

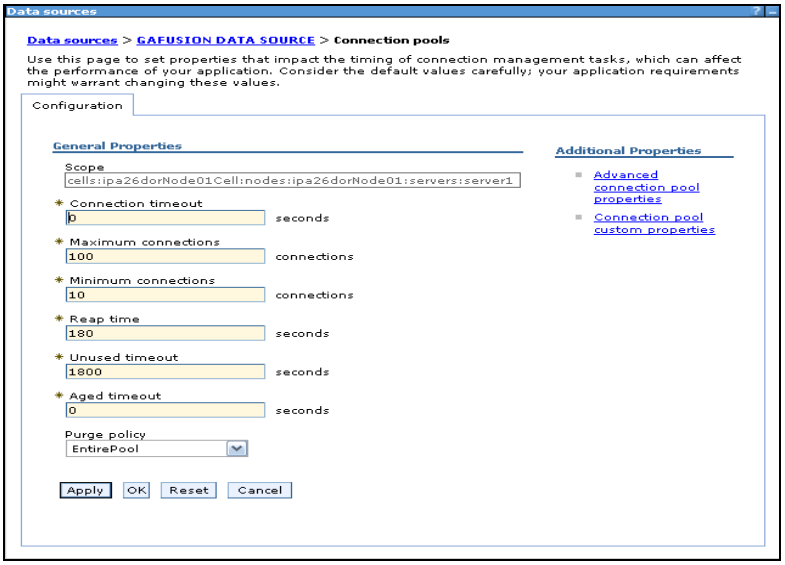

Figure 42:

- Expand the **Server Types** under **Servers** option in the LHS menu. Click on **WebSphere application servers** option. This will display the **Application Servers** page.

Navigate to the **Web Container** option of the application server, under **Custom properties,** add a new property **com.ibm.ws.webcontainer.invokefilterscompatibility** and set the value to **true** Save the new property. Use below figure for reference

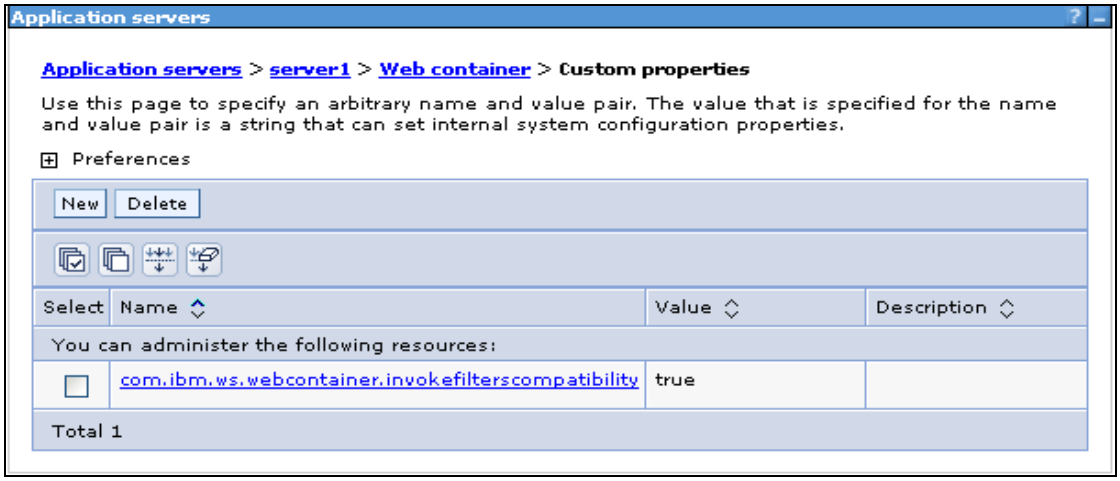

Figure 43:

Configuration in Tomcat Application Server

- Copy $ORACLE_HOME/jdbc/lib/ojdbc6.jar to the path $TOMCAT_DIRECTORY/common/lib/
- Edit the server.xml present under the path $TOMCAT_DIRECTORY\conf\ with the below changes, which is required for connection pooling.

Note: Copy the following information into notepad, and then copy it from notepad into xml file. Take extra care to avoid copying formatting characters into the xml file.

```
<Context path="/ $CONTEXTNAME$" docBase=" $APP_DEPLOYED_PATH$ " debug="0" reloadable="true" crossContext="true">
    <Resource auth="Container"
        name="jdbc/ $INFODOM_NAME$"
        type="javax.sql.DataSource"
        driverClassName="oracle.jdbc.driver.OracleDriver"
        username=" $ATOMICSCHEMA_USERNAME$"
        password="$ATOMICSCHEMA_PASSWORD$"
        url="$JDBC_CONNECTION_URL"
        maxActive="100"
        maxIdle="30"
        maxWait="10000"
        removeAbandoned="true" removeAbandonedTimeout="60"
        logAbandoned="true"/>
</Context>
```

NOTE:

- $TOMCAT_DIRECTORY$ should be replaced by Tomcat application installed path
- $CONTEXTNAME$ should be replaced by Oracle Financial Services Analytical Applications Infrastructure context name
- $APP_DEPLOYED_PATH$ should be replaced by the Oracle Financial Services Analytical Applications Infrastructure application deployed path

- $INFODOM_NAME$ should be replaced by Infodom Name
- $ATOMICSCHEMA_USERNAME$ should be replaced by Atomic schema database user name
- $ATOMICSCHEMA_PASSWORD$ should be replaced by Atomic schema database password
- $JDBC_CONNECTION_URL should be replaced by JDBC connection string

Ex: jdbc:Oracle:thin:<IP>:<PORT>:<SID>

jdbc:oracle:thin 10.80.50.53:1521:soluint

Configuration in Weblogic Application Server

- Create JDBC Provider for the configuration of connection pool and a data source to access the data from the database for the above created Infodom (Refer to: the chapter Creating data Source – WebLogic of the Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0 Installation Manual).
- After creating a Data Source, Click the newly created Data Source ($DATA_SOURCE$) and navigate to the path

Home >Summary of Services: JDBC >Summary of JDBC Data Sources >**JDBC Data Source-<INFODDOM_NAME>**

And set the values for Initial Capacity to 10, Maximum capacity to 100 ,Capacity Increment by 1, Statement Cache Type to LRU and Statement Cache size to 10 as shown in the below figure.

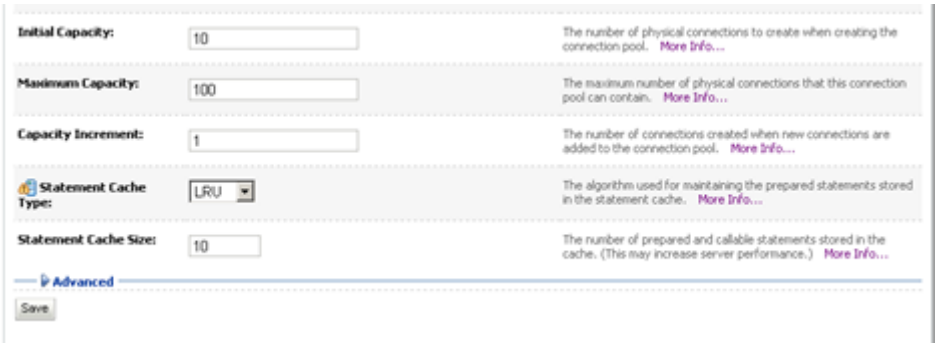

Figure : 44

- All Oracle Financial Services Analytical Applications Infrastructure Servers must be shut down.
- Oracle 11g service must be running.
- Deploy the EAR or WAR file
  - If the Web-Server is Tomcat then re-create and re-deploy the WAR file (OFSAAI war file). (Refer to: *Tomcat WAR Files Creation and Tomcat WAR Files Deployment* of the Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0 Installation Manual). Ensure that the previously deployed applications in Tomcat are removed before starting the re-deployment. Start all OFSAAI servers. All servers should be directly started in the server.

- If the Web-Server is Websphere re-create and re-deploy the WAR file (OFSAAI war file). (Refer to: Websphere *WAR Files Creation and* Websphere *WAR Files Deployment* of the Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0 Installation Manual). Ensure that the previously deployed applications in Websphere are removed before starting the re-deployment. Start all OFSAAI servers. All servers should be directly started in the server.
- If the Web-Server is Weblogic re-create and re-deploy the WAR file (OFSAAI war file). (Refer to: *Weblogic WAR Files Creation and Weblogic WAR Files Deployment* of the Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0 Installation Manual). Ensure that the previously deployed applications in Weblogic are removed before starting the re-deployment. Start all OFSAAI servers. All servers should be directly started in the server.

- Start all Oracle Financial Services Analytical Applications Infrastructure Servers.

NOTE

- If you need assistance in starting the servers, then refer to *Starting OFSAAI FICServers* in the Installation Guide Oracle Financial Services Analytical Applications Infrastructure 7.3.3.0.0. .profile should be executed before starting any activity from the console.

Installation Manual

March 2015

Oracle Financial Services Hedge Management and IFRS Valuations v6.1 (6.1.0.0.0) Product

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