

Setting up Database
Oracle FLEXCUBE Investor Servicing
Version 12.0.1.8.6
[May [2018]



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1. Setting up Database

1.1 Introduction

This document explains the steps to install the Oracle FLEXCUBE Investor Servicing database. These steps include Load objects, Load Static Data, Import Data and Basic Setup.

This tool automates the creation of the database. The database created using this tool will have the database objects.

1.2 Prerequisites

Following are the prerequisites for installing decentralize branch database:

Prerequisite	Description
Operating System	Windows 2000 / Windows XP / Windows 7, UNIX

Note the following:

- Make sure that Oracle FLEXCUBE Investor Servicing Schema and database connectivity exist as per the norms in 'TNSNAMES.ORA' file of Oracle 11g Client or later versions.
- During the setup, service/DB jobs should not be running in the schema. If some services are still running in the schema, use 'exec dbms_job.remove('||job||');' from user_jobs.

1.3 Pre-Installation Tasks

1.3.1 Purpose

To guide DBA to setup the database for Oracle FLEXCUBE Investor Servicing and to do the routine DBA basic activities for the following DB version:

DB version	Refer Release Certificate
Oracle FLEXCUBE version	Oracle Database 11g Enterprise Edition Release 11.2.0.2.0 - 64bit Production

1.3.2 Setting up Database for Oracle FLEXCUBE Investor Servicing

This section guides you through the steps to setup database for Oracle FLEXCUBE Investor Servicing.

1.3.2.1 Environment Setup Phase

Following are the main Kernel and database initialization parameters that you need to setup as part of the environment.

Sun Solaris Kernel Parameters

Kernel Parameter	Suggested Starting Value	Description
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Kernel Parameter	Suggested Starting Value	Description
SHMMAX	4294967295 or 70% of physical memory (whichever is larger)	Maximum size of a single shared memory segment
SHMMIN	1	Minimum size of a single shared memory segment
SHMMNI	100	Maximum number of shared memory segments in entire system
SHMSEG	10	Maximum number of shared memory segments one process can attach
SEMMNS	2000	Maximum number of semaphores in entire system
SEMMSL	1000	Maximum number of semaphores per set
SEMMNI	100	Maximum number of semaphore sets in entire system
Swap Space	Twice the physical memory present	
Patches	Verify as per Oracle's platform specific release notes	

IBM AIX Kernel Parameters

Unlike other UNIX platforms, AIX does not have the ability to directly configure Kernel parameters. Instead, the AIX Kernel dynamically allocates and reallocates resources as they are needed, up to a predefined limit, making the traditional practice of tuning parameters unnecessary. The only tuneable Kernel parameter is 'maxuprc' (maximum number of processes per user ID) which can be modified via SMIT (AIX's menu-based system administration utility) or the command line utility.

Swap Space	Twice the Physical memory present
Patches	Verify as per Oracle's platform specific release notes

HP UNIX Kernel Parameters

Kernel Parameter	Suggested Starting Value	Description
aio_max_ops	2048	Maximum number of queued AIO ops
dbc_min_pct	2	Minimum percentage of system memory used for buffer cache
dbc_max_pct	ensure <= 128MB	Maximum percentage of system memory used

Kernel Parameter	Suggested Starting Value	Description
		for buffer cache
Fsasync	0	Asynchronous i/o on file systems
max_async_ports	1024	Maximum ports for asynchronous I/O operations
maxdsiz64	1Gb	Shadow process' heap size
Maxfiles	512	Soft limit number of open files per process
maxfiles_limit	1024	Hard limit number of open files per process
Maxusers	no of Oracle connections+64	Influences nproc, nfile, ninode and maxuprc
Maxuprc	maxusers*5	Number of processes per user ID
nfile	use SAM formula	Open files system wide
Nflocks	$\geq (200 + (\text{sum of db files}))$	File locks system wide
Nproc	use SAM formula	Processes system wide
Shmmax	4294967295	Maximum size of a single shared memory segment
Swap Space	Twice the physical memory present	
Patches	Verify as per Oracle's platform specific release notes	

1.3.2.2 Database Setup

This section contains the following details:

- Create database using Oracle DBCA utility with jvm and xdb options and NLS as UTF
- Create Oracle FLEXCUBE Investor Servicing schema
- Storage for Oracle FLEXCUBE Investor Servicing LOB and REPORT schema

TABLESPACES	Storage %	Table Space Name (Reference only)	Table Space Type	Extent Size (KB)	Extent Allocation Type	Segment Space Management
FCIS Data	60%	FCCDATASML	DATA	128	UNIFORM	AUTO
		15% or 4 GB		1024		
		FCCDATAMED		5120		
		25% or 20 GB				
		FCCDATALAR				

TABLESPACES	Storage %	Table Space Name (Reference only)	Table Space Type	Extent Size (KB)	Extent Allocation Type	Segment Space Management
		60%				
FCIS Index	40%	FCCINDXSML 15% or 4 GB FCCINDXMED 25% or 20 GB FCCINDXLAR 60%	INDEX	128 512 5120	UNIFORM	AUTO
System	5 GB	SYSTEM	SYSTEM		Not applicable	Not applicable
Temporary	5 GB	TEMP	TEMP	1024	Not applicable	Not applicable
Undo	5 GB	UNDO	UNDO		Not applicable	Not applicable

- Storage for Oracle FLEXCUBE Investor Servicing LOB and SMS schema

TABLESPACES	Storage %	Table Space Name (Reference only)	Table Space Type	Extent Size (KB)	Extent Allocation Type	Segment Space Management
FCIS Data	60%	FCCDATASML 15% or 4 GB FCCDATAMED 25% or 20 GB FCCDATAALAR 60%	DATA	128 1024 5120	UNIFORM	AUTO
FCIS Index	40%	FCCINDXSML 15% or 4 GB FCCINDXMED 25% or 20 GB FCCINDXLAR 60%	INDEX	128 512 5120	UNIFORM	AUTO
System	1 GB	SYSTEM	SYSTEM		Not applicable	Not applicable
Temporary	1 GB	TEMP	TEMP	1024	Not applicable	Not applicable
Undo	1 GB	UNDO	UNDO		Not applicable	Not applicable

Note: The storage parameters for FCIS Data and FCIS Index table spaces are provided as percentage. The exact sizing for these table spaces need to be worked out based on the sizing of Oracle FLEXCUBE Investor Servicing, which is a factor of volumes at the bank.

For the parameters to be set at the database level for Oracle FLEXCUBE Investor Servicing, refer to the excel sheet '[Initparameters to change.xls](#)'.

Granting Rights to Oracle FLEXCUBE Investor Servicing Schema

You need to disable the password case sensitivity and grant rights to the schema. While doing this, ensure that you are connected to the database as 'sys' user.

Before granting rights to the schema, you need to execute the following command:

```
ALTER SYSTEM SET SEC_CASE_SENSITIVE_LOGON = FALSE;
```

Note: The above command should be executed if the database is Oracle 11G and the application server is Oracle SOA Suite. This command disables the case sensitivity of the schema password.

Further, execute the following script to grant rights to the schema. This should also be executed while connected as "sys" user to the database.

Refer '[grants_dbms.sql](#)' file.

Listener and Tnsentries Setup

Create the Listener and Tnsentries using Oracle net manager utility.

Invalid Objects and Recompile

Find all the invalid objects and recompile the invalid units using the following syntax.

```
exec utl_recomp.recomp_parallel(4, 'FCIS_SCHEMA')
```

Note:

- Here, 'FCIS_SCHEMA' is an example for the name of the schema created for FCIS data installation.
- Before executing the above command, ensure that you are connected as a sys/sysdba user.

Database Statistics Gathering

The script for gathering database statistics creates two jobs. Once job gathers the DICTIONARY_STATS of the instance and the other job gathers the Oracle FLEXCUBE Investor Servicing schema stats. The script is given below:

Refer '[StatsJobs.sql](#)' file.

You need to run the 'StatsJobs.sql' in the user schema. GRANTS for DBMS_STATS should be given before running this script.

1.4 Before Getting Started

Before going to the next step, you need to run the command given below:

Go to **Start > Run** on your system and enter the command given below and press Enter key:

Sqlplus (schema_name)/(password)@(connect_string)

Example

Suppose that you are connecting to a schema FCIS (schema_name). The password is FCIS and connect string is FCIS.WORLD (connect_string). In that case, you need to run the following command:

Sqlplus FCIS/FCIS@FCIS.WORLD

Ensure that you are able to connect to the schema without errors. Also, check the SQL* Plus version is 11.x or above.

2. Installing Oracle FLEXCUBE Investor Service Database

2.1 Introduction

Oracle FLEXCUBE Investor Service database can be installed in one of the following methods.

- Import full dump – Import the Oracle FLEXCUBE Investor Servicing objects into an empty schema using full dump. This is a manual activity.
- From Shipment Media – Load the Shipment Media objects into an empty schema using Installer.
- Clone database or template based setup – Clone the database using Installer.

These methods are discussed in detail under the following heads.

2.2 Creating Schema by Importing Full Dump

Under this method, you need to manually import the Oracle FLEXCUBE DMP file into the Oracle FLEXCUBE Investor Servicing schema. This can be done using the following command.

```
$ imp user_name/password file = dmp_file_name.dmp full = Y commit = Y log = imp.log  
compile=n
```

Post Import Activities

Once the DMP file is imported, you need to carry out the following activities:

- Enabled all triggers by running the procedure 'pr_instlr_post_import.prc' located under the folder 'InstallOptions\Database\Common'
- Update STTM_BANK with auto_gen_cif='N'
- Update the following tables:
 - actb_daily_log
 - bktb_schema_defaults
 - dstb_maint, ictb_acc_action
 - ictb_action_log, ictb_resolution_error
 - lmtb_offline_nodes, lmtb_offline_utils
 - mstb_current_msg_ind_out
 - mstb_dly_msg_in
 - mstb_dly_msg_out
 - mstm_mcs
 - mstm_undo
 - sttm_branch_node
 - sttm_branch
 - sttm_customer

Set node as the connection string for the above tables.

2.3 Creating Schema from Shipment Media

Under this method, you need to create the schema from the Shipment Media.

2.3.1 Loading from Shipment Media

You have an option of loading both host and branch objects together. Database installation includes the provision of details of the schema to connect and the location of the source objects. The objects of the selected modules are compiled as explained below.

Source input for installer for DB setup

The folder structure of the source location for DB installation includes the following:

- @< drive Path >\BACKEND\DATABASE\SMS
- @< drive Path >\BACKEND\DATABASE\SP
- @< drive Path >\BACKEND\DATABASE\LOB
- @< drive Path >\BACKEND\DATABASE\REPORTS
- @< drive Path >\BACKEND\DATABASE\HOST
- @< drive Path >\BACKEND\SMS
- @< drive Path >\BACKEND\SP
- @< drive Path >\BACKEND\LOB
- @< drive Path >\BACKEND\REPORTS

The folder to which you have copied the sources can be the source to the Installer.

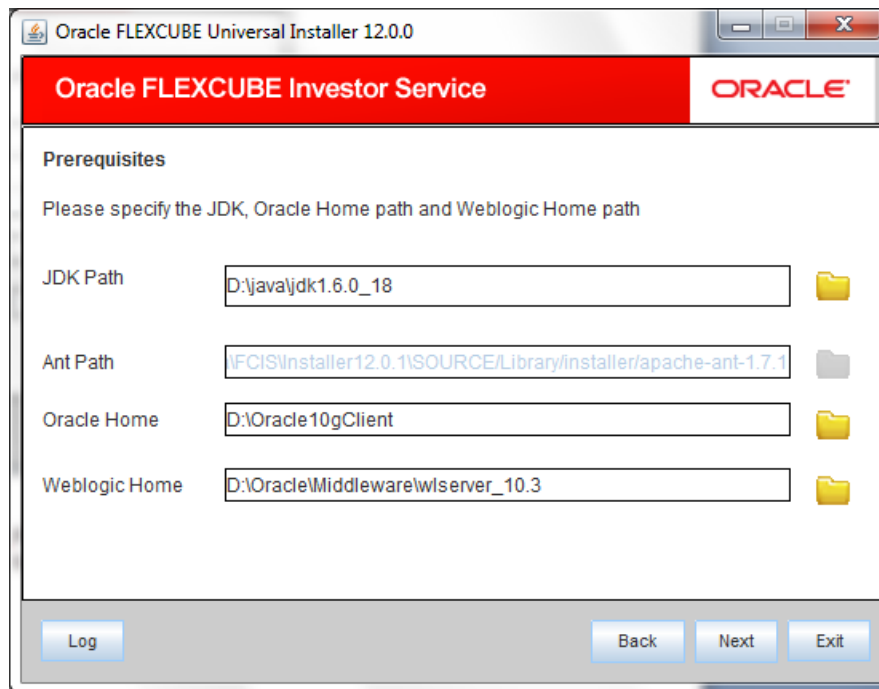
Note: After copying all the sources from shipment media to a folder in the local system, ensure that the folder containing those has full rights for that user.

It is not mandatory to copy the sources to local system. You may also directly refer the Installer to the shipment media.

2.3.1.1 Loading Objects from Shipment Media

The steps to load objects from the Shipment Media are given below:

1. Launch Oracle FLEXCUBE Investor Servicing Installer.



2. Specify the following details:

JDK Path

Specify the location of the JDK. You can use the directory button to browse to the JDK location.

Ant Path

Specify the location of the ANT. You can use the directory button to browse to the ANT location.

Oracle Home

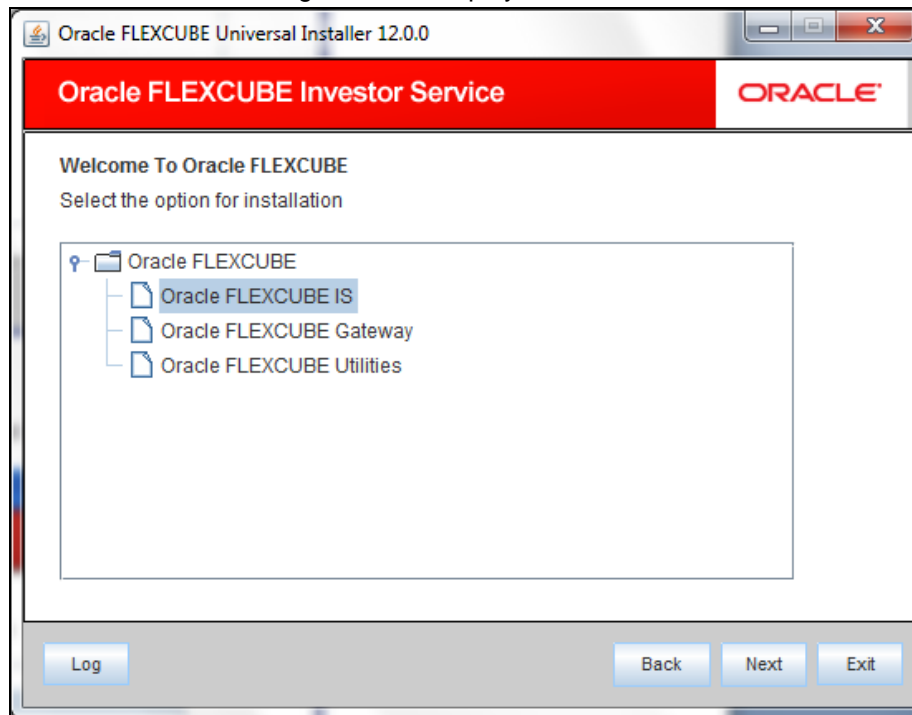
Specify the location of the Oracle Home installation. You can use the directory button to browse to the location.

Weblogic Home

Specify the location of the WebLogic Home installation. You can use the directory button to browse to the location.

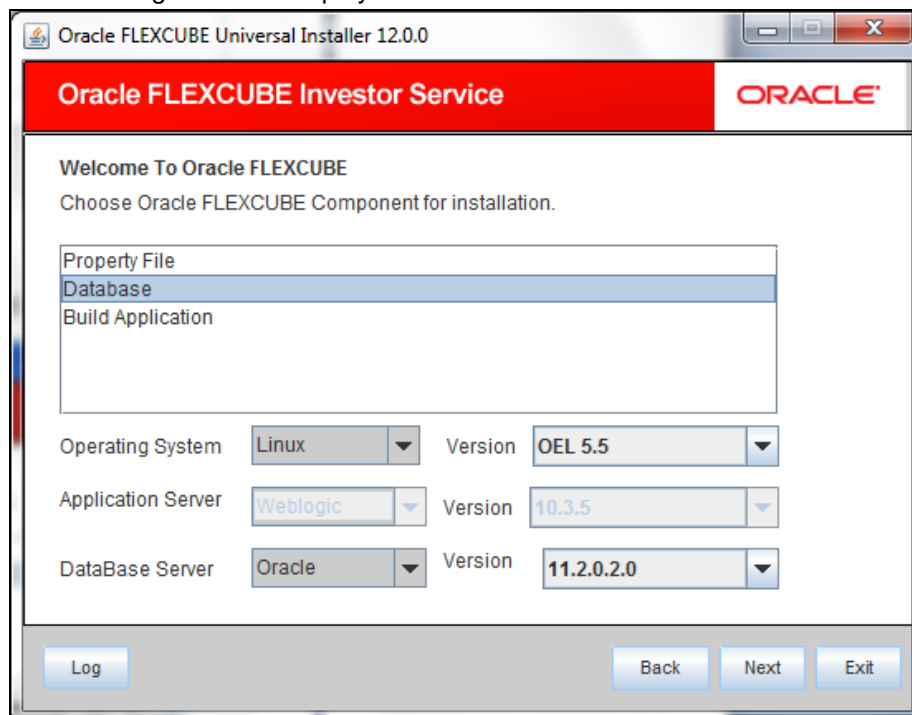
Note: In case any of the selected directories is incorrect, the Installer will display an appropriate error message. In that case, you need to correct the directory path and proceed.

3. Click 'Next'. The following screen is displayed.



4. Choose 'Oracle FLEXCUBE IS'. Click 'Next'.

The following screen is displayed:



5. Choose 'Database'.
6. Specify the following details:

Operating System and Version

Specify the operating system in which you are installing Oracle FLEXCUBE Investor Servicing.

You also need to specify the version of the operating system.

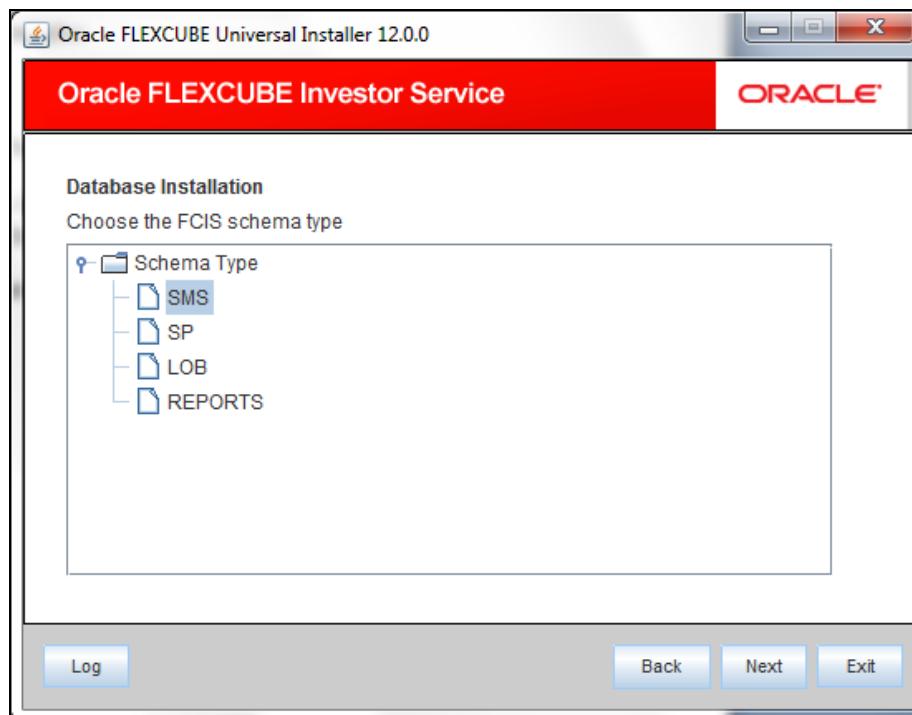
Application Server and Version

Specify the application server on which you are installing Oracle FLEXCUBE Investor Servicing. You also need to specify the version of the application server.

Database Server and Version

Specify the database server on which you are installing Oracle FLEXCUBE Investor Servicing. You also need to specify the version of the database server.

7. Once you have specified the above details, click 'Next'. The following screen is displayed:



Select one of the following schema types:

- SMS - for schema type SMS
 - SP – for schema type SP
 - LOB - for schema type LOB
 - REPORTS - for schema type Reports
8. Select the appropriate schema type and click 'Next'.
9. Oracle FLEXCUBE Investor Service Installer supports the following installation methods:
- Custom Installation
 - Template Installation

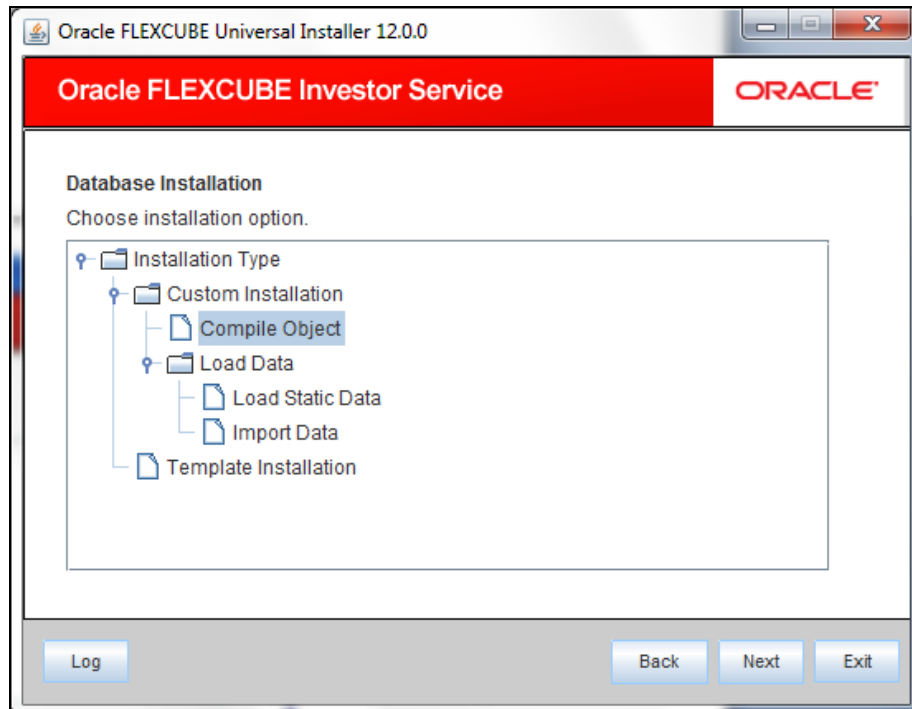
Template installation is performed through Oracle DBCA tool.

2.3.2 Custom Installation

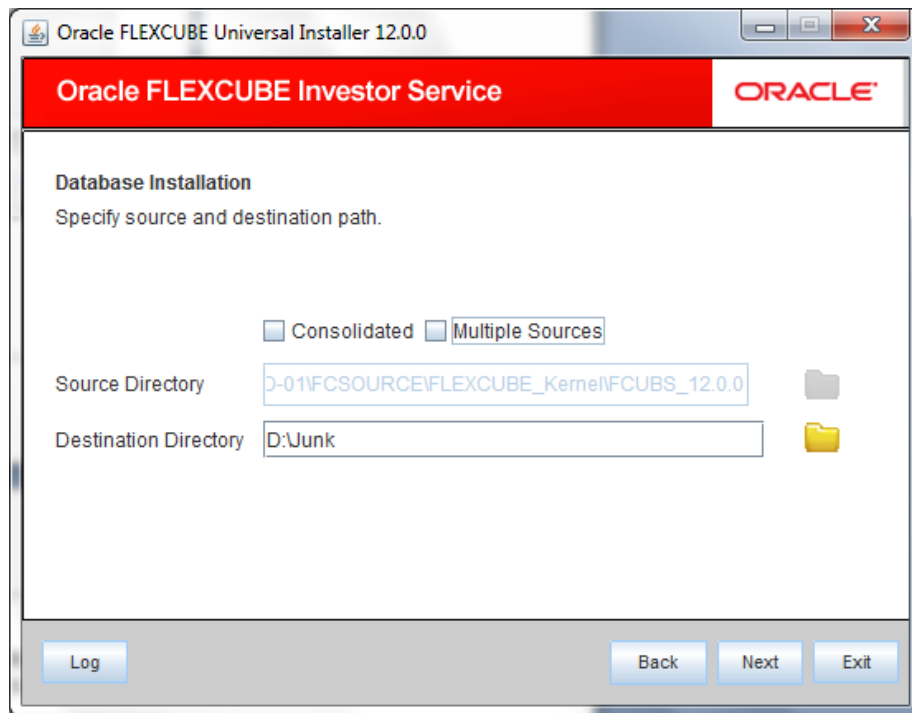
The Oracle FLEXCUBE Investor Servicing installer supports custom installation of Oracle FLEXCUBE in two methods:

- Compile objects and load static data into the database
- Load objects and data by importing data and objects from the import file

1. Select the installation type 'Custom Installation'.



2. Select 'Compile Objects' under 'Custom Installation' and click 'Next'. The following screen is displayed.



3. Specify the following details:

Source Directory

Specify the source directory location. The source directory should have the 'MAIN' folder and the contents. Use the directory icon to browse the source directory.

Destination Directory

Specify the destination directory. Use the directory icon to browse the source directory.

Consolidated

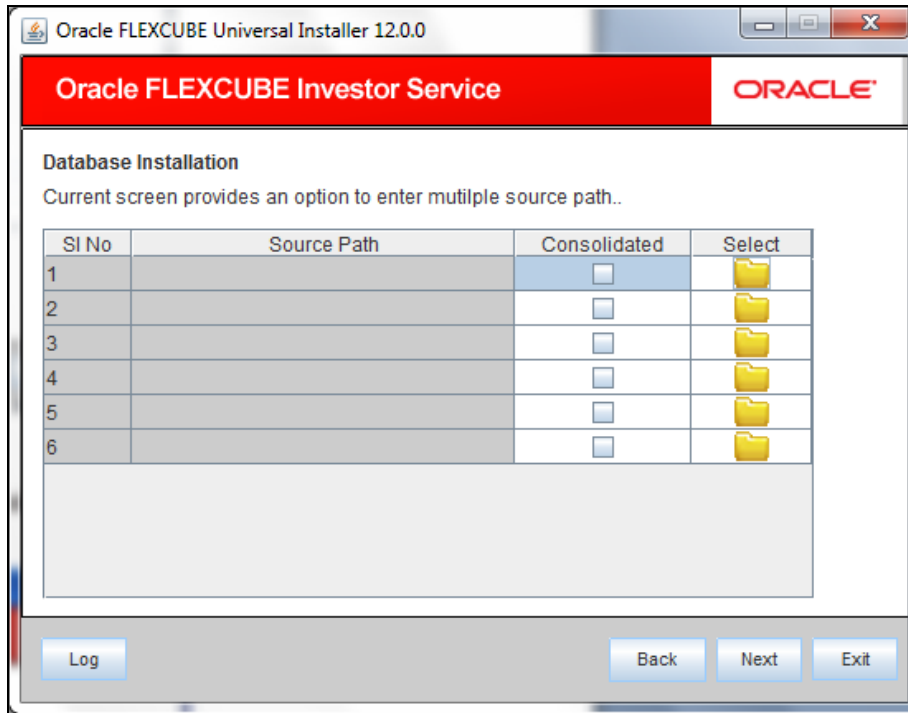
Check this box if you are going for a consolidated installation.

In case you need to compile a single patch into the database, you can leave this box unchecked and specify the source of the patch in the field 'Source Directory'.

Multiple Sources

In case of Cluster and Patch installations, you can install the files from multiple source directories. Check this box to use multiple directories.

If you check 'Multiple Sources', on clicking 'Next', the following screen is displayed.



Here, you need to specify the different source directories. Use the directory icon to browse the source directory.

Source Path

You can provide location of the source files. Source paths can be provided in one of the following ways:

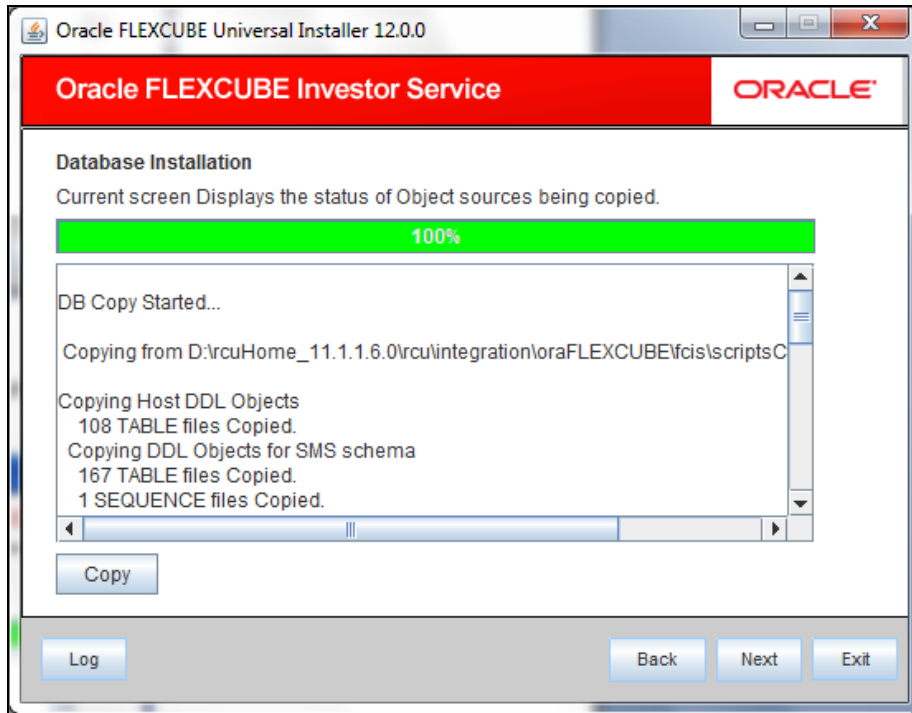
- Multiple delta source paths only
- One base source path and other delta source paths

Consolidated

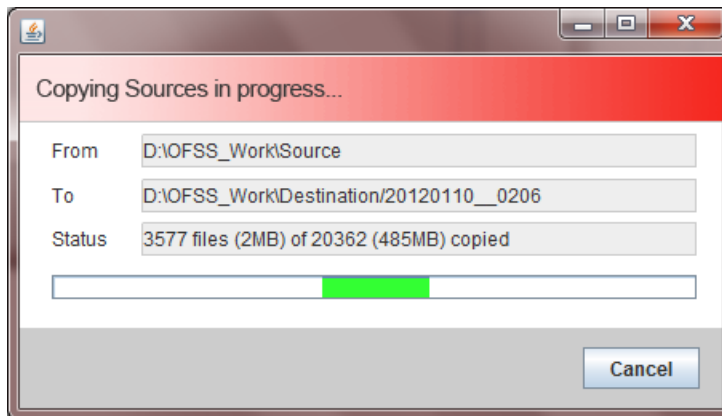
In case of base source path, you need to check this box. For delta sources and patches, you need to leave this box unchecked

If you do not check the box 'Multiple Sources', you will be directly navigated to the module selection screen.

4. Once you have specified the details, click 'Next' to start database objects source copy.



5. The Installer will copy the source files from the source directory to the destination directory. The files are taken from this location for compilation.
6. You can view the status of the copy process on a separate window.



Note: Click cancel to restart the copy process.

7. Once the copy process is completed, the Installer navigates you to the following screen.

Name	Value
Username	installer
Password	••••••••
Connect String	testdb
IP Address	10.184.87.199
Port	1521

8. Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Connect String

Specify a valid connect string that contains the details for database connectivity.

IP Address

Specify the IP address of the system where the database schema is installed.

Port

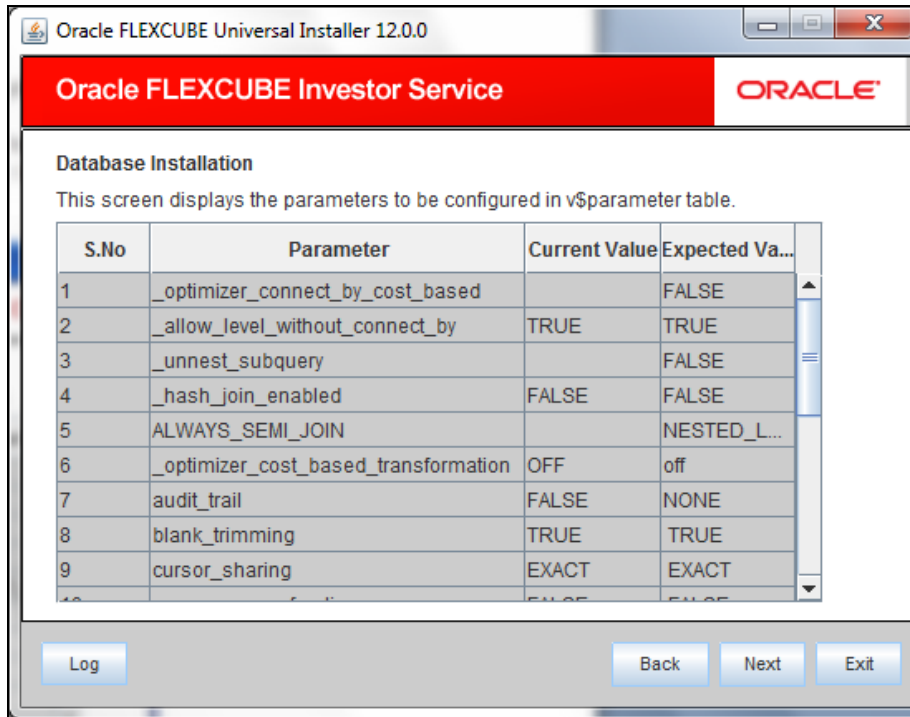
Specify the port number.

9. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.

Note:

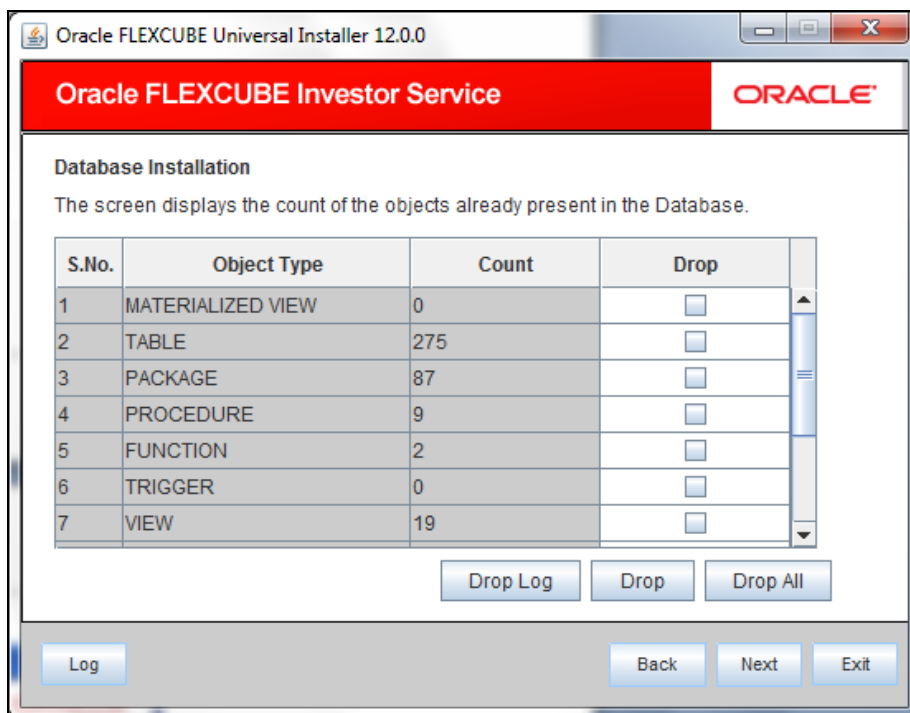
- If the connection is established, the installer displays a message 'Connection Successful'.
- If there is an error in establishing the connection, the system displays the message 'Invalid DB Credentials'.
- If the TNS entry is not proper, the installer displays the message 'TNS entries are not proper'.

10. After testing the connection successfully, click 'Next'. The following screen is displayed.



11. This screen displays the parameter details of the database. This is for information purpose.

12. Click 'Next'. The following screen is displayed.

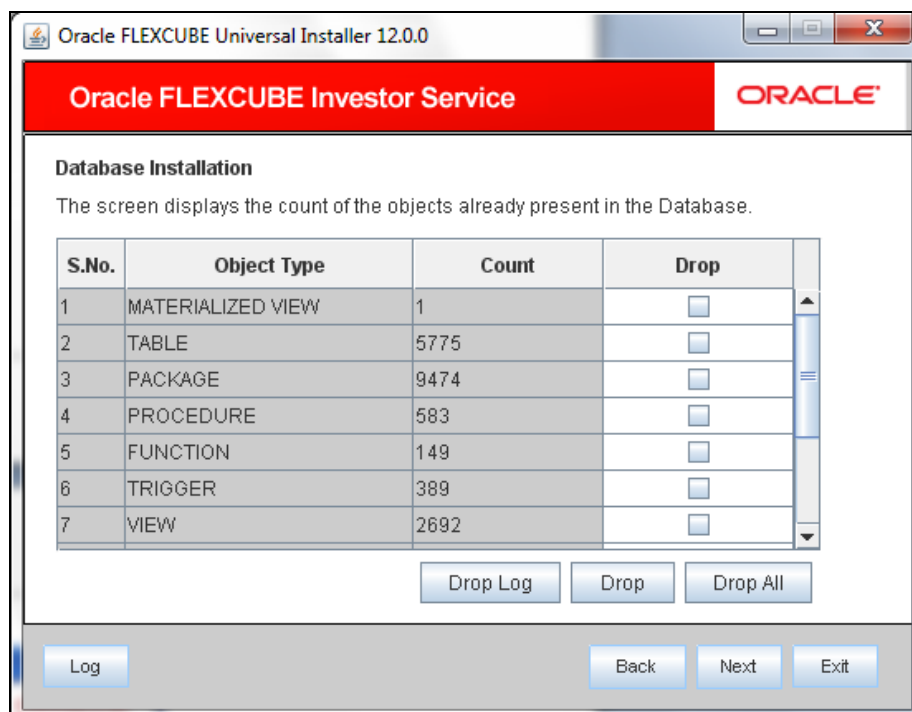


13. This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen. This is for information purpose

14. If you click 'Generate Report' button, in the 'Logs' folder, the installer creates an SQL file 'grantScript.sql' containing the script for granting the privileges. You can use this file to get the access.

Note: Only the sys user can execute the file 'grantScript.sql' for granting privileges.

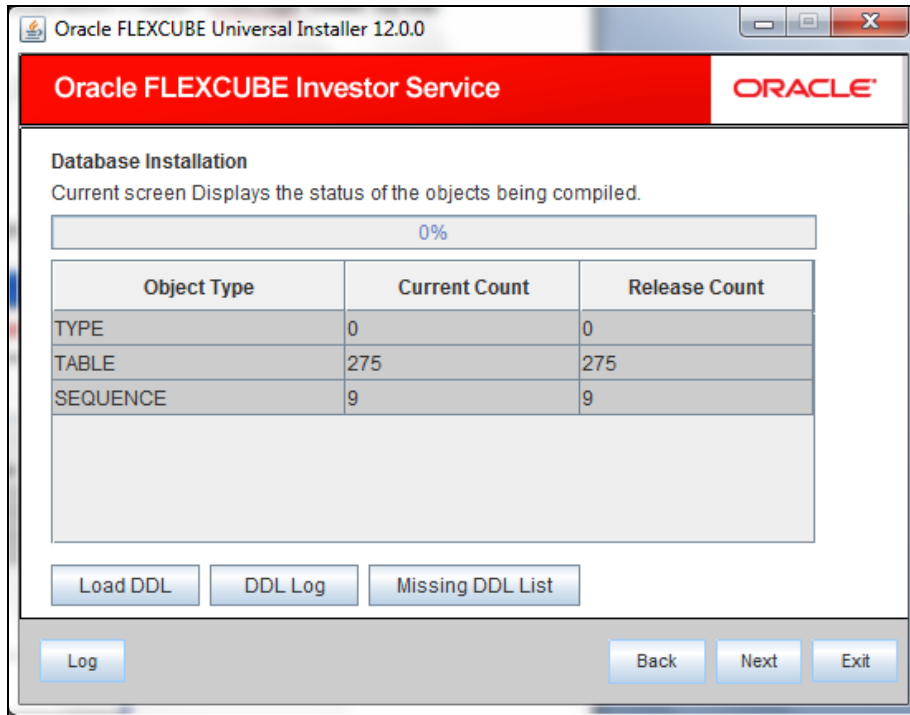
15. The following screen is displayed.



16. You can select the objects to be dropped and click 'Drop' button to drop the selected objects. As you drop the objects, the count in this screen is updated. You can drop all the objects at once using 'Drop All' button.
17. Click 'Drop Log' button to view the drop log.

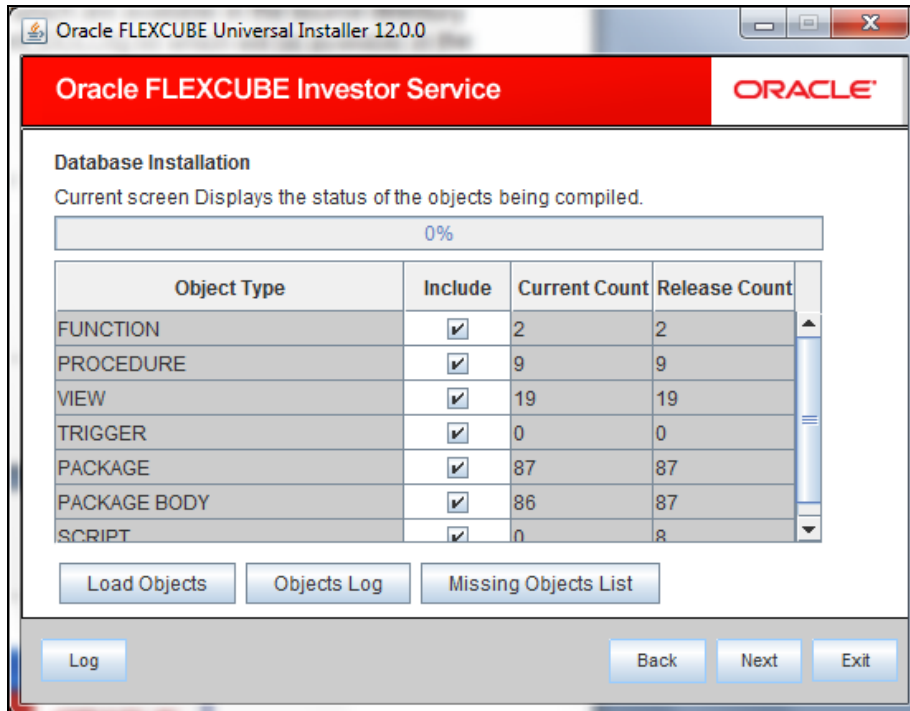
Note: The details of the drop process are logged in a file 'Drop_All.log' in the folder <Destination Folder>/DBLogs.

18. If all the objects do not get dropped at the first time, you can drop them again.
19. Click 'Next' button, the following screen is displayed.

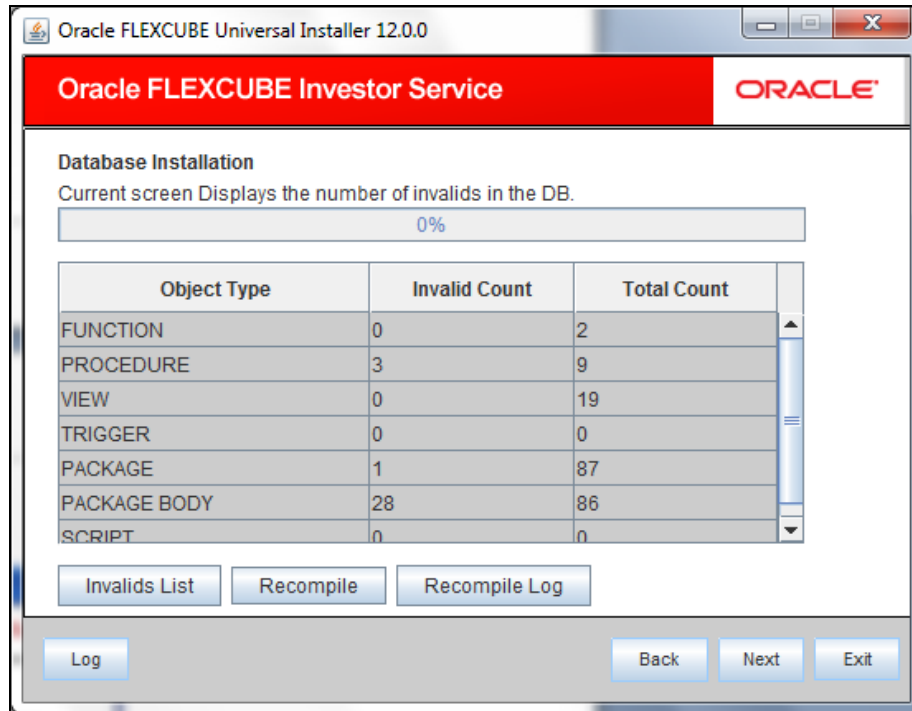


Notes:

- You can verify the accuracy of the release count, by verifying the files available in Temporary area
20. Installer will enable you to proceed with installation, without loading DDL and compiling objects. The table, sequences and type objects are compiled and the count is updated.
 21. You can verify the DDL objects compilation by comparing the current count and the release count.
 22. Click 'DDL Log' button to view the DDL logs. The log file 'LoadDDL.log' will be available in the destination directory under the folder 'DBLogs'.
 23. Click 'Missing DDL List' button to view the list of DDL files that are available in the source directory, but not in the schema. The list 'FilesNotCompiled_DDLObj.txt' will be available in the destination directory under the folder 'DBLogs'.
 24. Click 'Next'. The following screen is displayed.
 25. After rectifying the missing DDL objects, you can recompile either manually or by DDL compilation through Installer



26. Check the objects that you need to load.
 27. Click 'Load Objects' button. The installer loads the functions, procedures, views, triggers and packages as per your selection and compiles them.
- Note:** You can verify the application objects compilation by comparing the count shown in this screen with the release count.
28. Click 'Objects Log' button to view the log. The log file 'LoadAppObj.log' will be available in the destination directory under the folder 'DBLogs'.
 29. Click 'Missing Object List' button to view the list of application object files that are available in the source directory but not in the schema. You can view this list in the file 'FilesNotCompiled_APPObj.txt' available in the destination directory under the folder 'DBLogs'.
 30. When rectifying of the missing objects is complete, you can recompile either manually or by applications object compilation through Installer
 31. The installer loads the DDL and application objects of the selected modules.
 32. When the installer loads DDL, it creates 'BASE_SQL_OBJ' table in the schema. This is an Installer specific table to keep track of the missing objects as compared to the ones present in the baseline and is not available in the source.
 33. You can view the list of invalid objects in the following screen.



34. Click 'Invalid List' button to view the count of invalid objects. The installer creates the file 'InvalidList.txt' in the destination directory under the folder 'DBLogs'.
35. You can use the 'Recompile' button to do a cyclic recompilation. This will reduce the invalid objects count.
36. You can view the recompile logs by clicking 'Log' button. The installer creates a file 'recompile.log' in the destination directory under the folder 'DBLogs'.

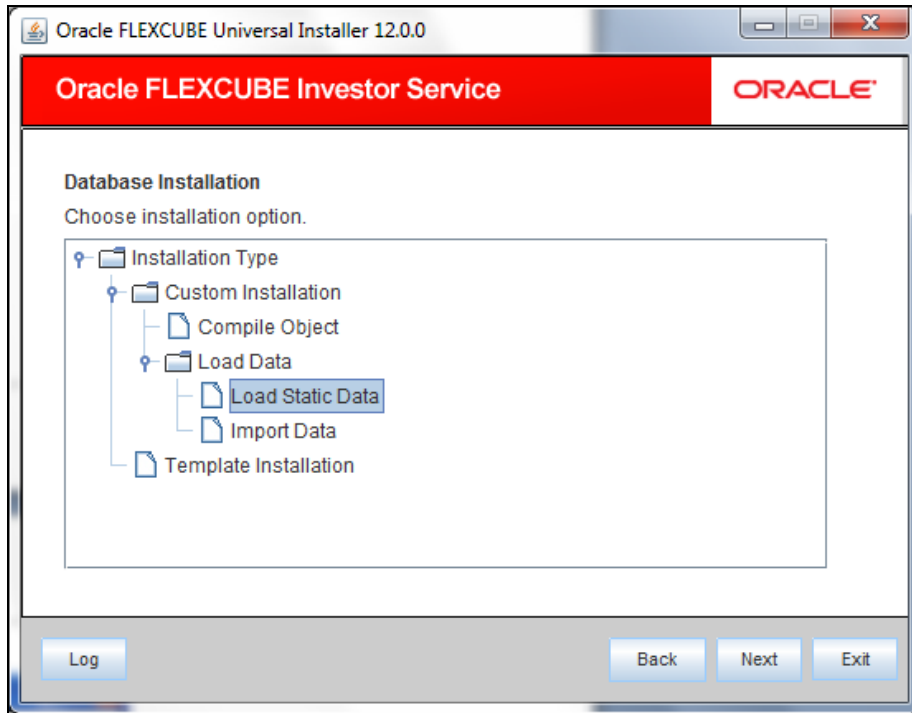
2.4 Loading Static Data

Once the objects are loaded, you need to insert data into the tables.

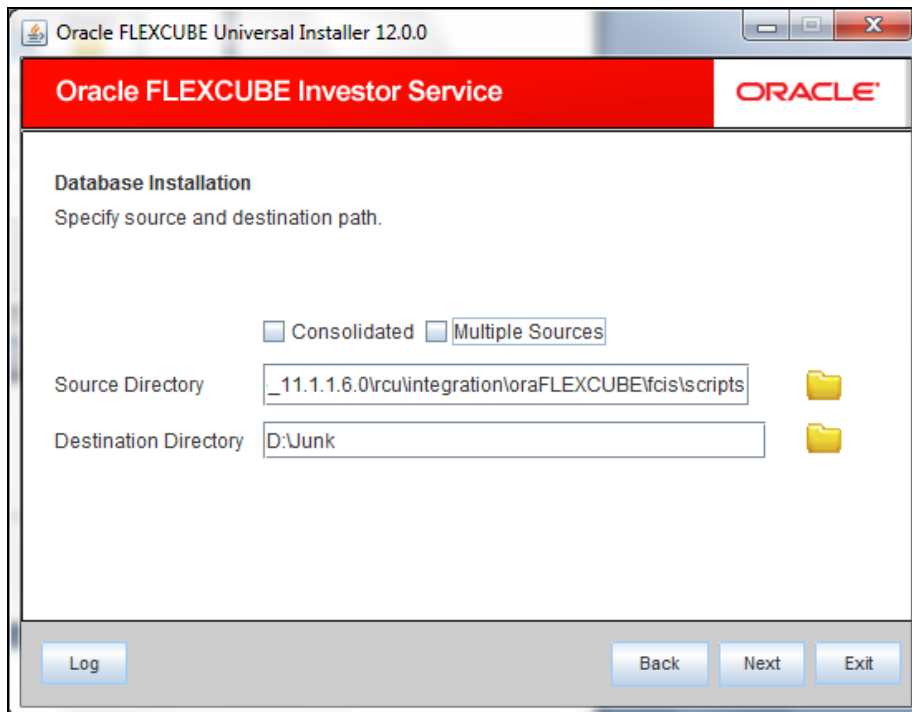
This section explains the steps to load static data into the database and the basic setup to be done.

Follow the steps given below:

1. Launch Oracle FLEXCUBE Investor Servicing Installer.



2. Select 'Load Static Data' and click 'Next'. The following screen is displayed.



3. Specify the following details:

Source Directory

Specify the source directory location. The source directory should have the 'MAIN' folder and the contents. Use the directory icon to browse the source directory.

Destination Directory

Specify the destination directory. Use the directory icon to browse the source directory.

Consolidated

Check this box if you are going for a consolidated installation.

In case you need to compile a single patch into the database, you can leave this box unchecked and specify the source of the patch in the field 'Source Directory'.

Multiple Sources

In case of Cluster and Patch installations, you can install the files from multiple source directories. Check this box to use multiple directories.

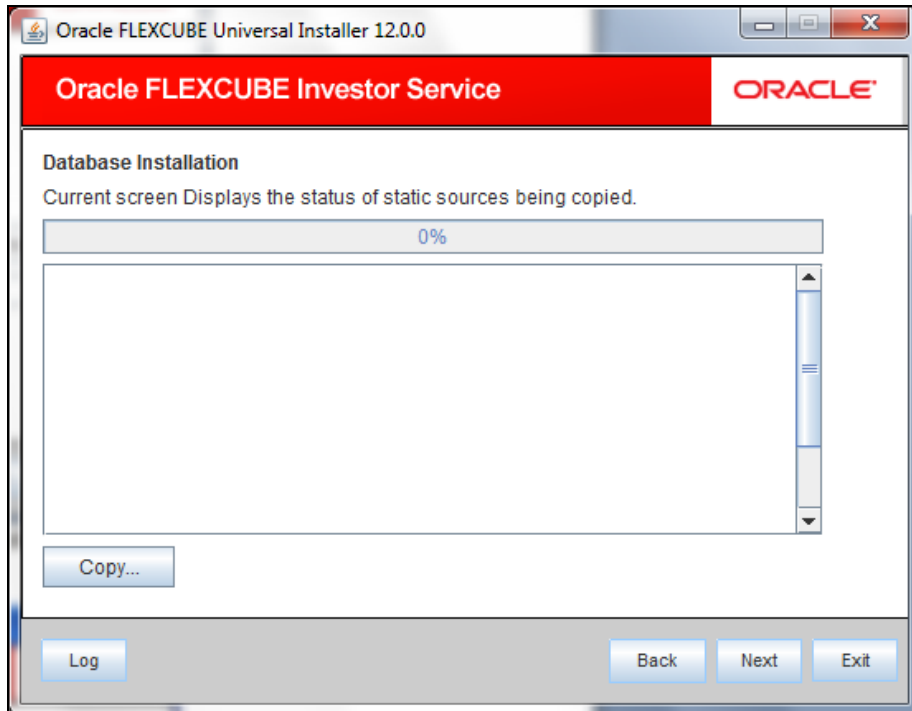
If you check 'Multiple Sources', on clicking 'Next', the following screen is displayed.

SI No	Source Path	Consolidated	Select
1		<input type="checkbox"/>	
2		<input type="checkbox"/>	
3		<input type="checkbox"/>	
4		<input type="checkbox"/>	
5		<input type="checkbox"/>	
6		<input type="checkbox"/>	

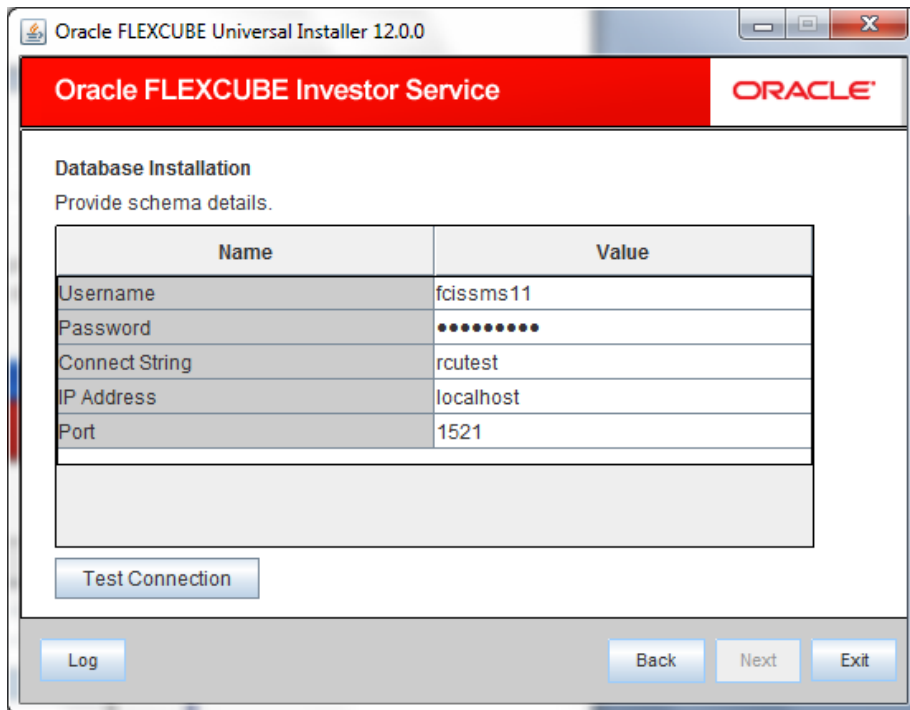
Here, you need to specify the different source directories. Use the directory icon to browse the source directory.

If you do not check the box 'Multiple Sources', you will be directly navigated to the module selection screen.

4. Click 'Next' to start objects copy.



5. The Installer will copy the source files from the source directory to the destination directory. The files are taken from this location for compilation.
6. Once the copy process is completed, the Installer navigates you to the following screen.



7. Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Connect String

Specify a valid connect string that contains the details for database connectivity.

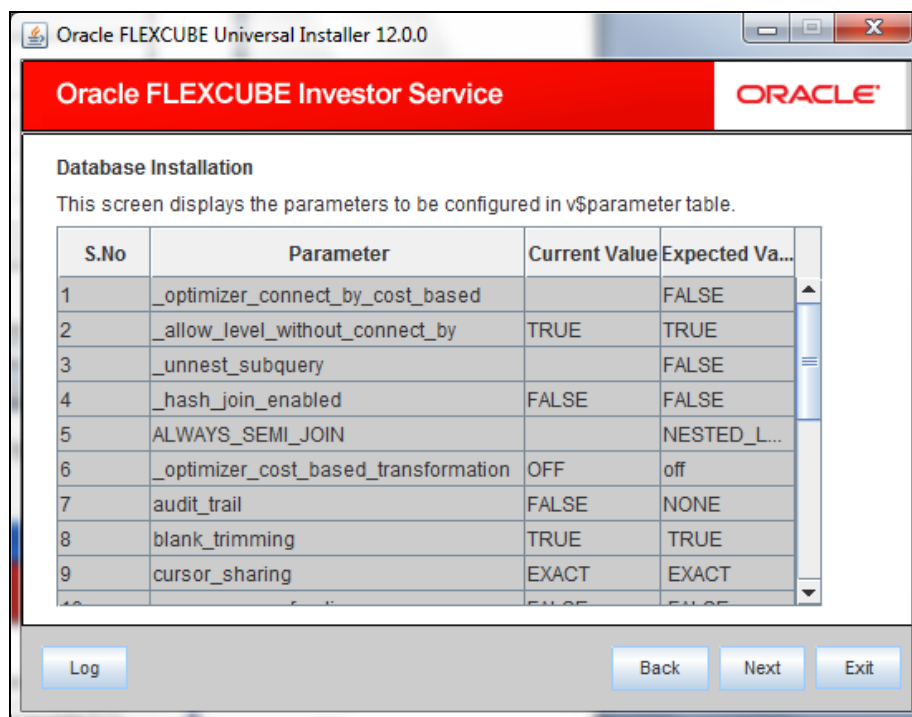
IP Address

Specify the IP address of the system where the database schema is installed.

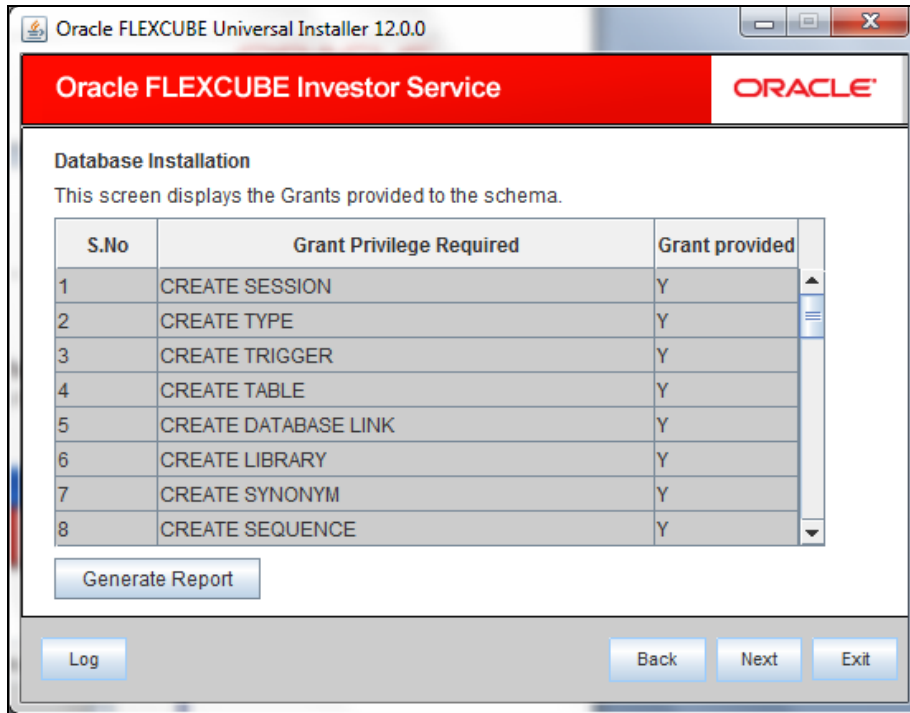
Port

Specify the port number.

8. Once you have entered the details, you can test the database schema connection using 'Test Connection' button.
9. After testing the connection, click 'Next'. The following screen is displayed.

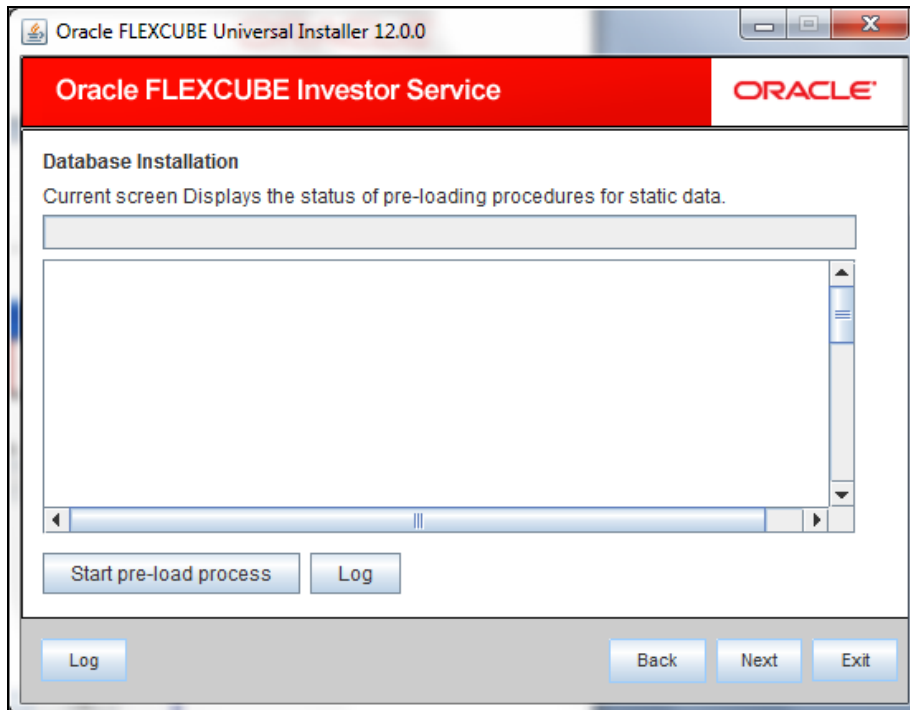


10. This screen displays the parameter details of the database. This is for information purpose.
11. Click 'Next'. The following screen is displayed.



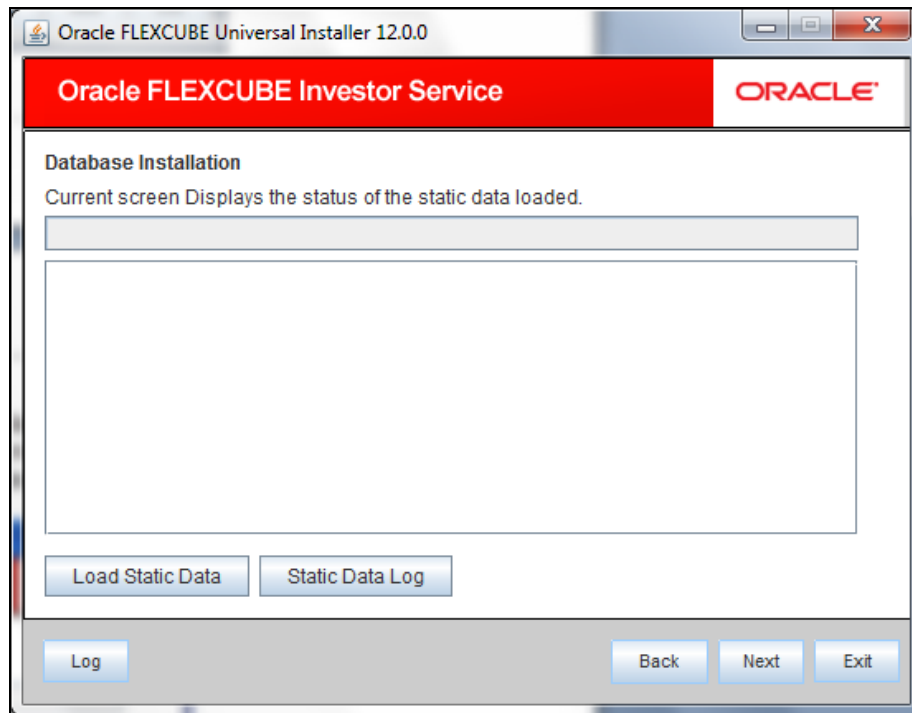
12. This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen. This is for information purpose.

13. Click 'Next'.



14. The installer executes the procedures required before beginning static data compilation. All the triggers will be disabled during this process.

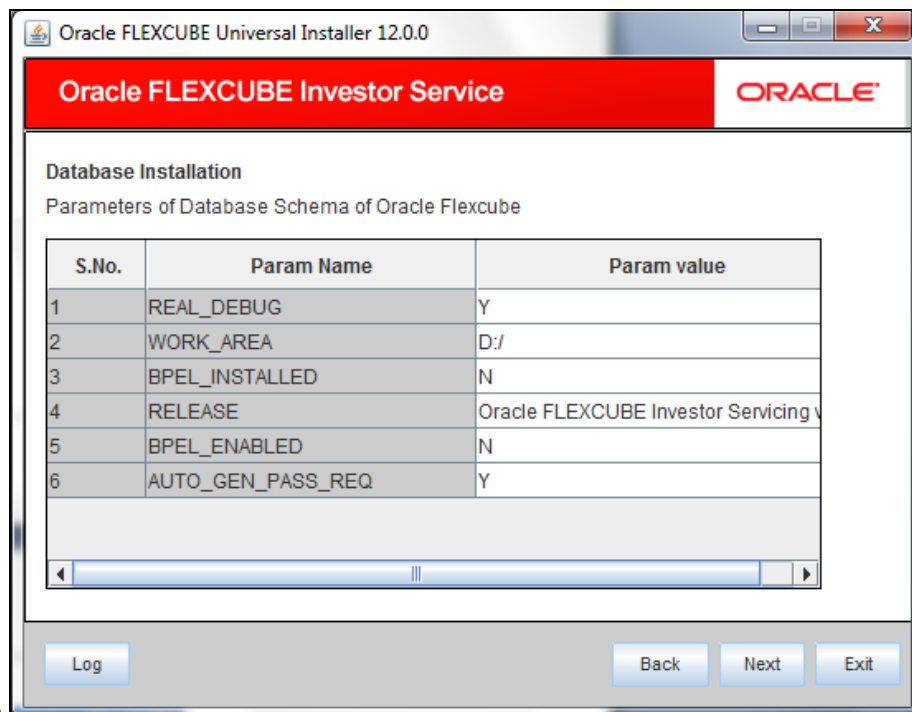
15. Once the process is complete, you will see the following screen.



16. You can view the static data log by clicking 'Static Data Log' button.

17. Click 'Next'. The following screen is displayed.

Note: The following screens are applicable only for basic setup. Hence, these screens are applicable only for the SMS schema and not for SP, LOB and REPORTS schema as basic setup does not exist for



them.

18. Here, you can take the parameters for the database schema.

19. Click 'Next'. The following screen is displayed.

Oracle FLEXCUBE Universal Installer 12.0.0

Oracle FLEXCUBE Investor Service ORACLE

Database Installation
Basic Details for bank and branch

Bank Code

Bank Name

Branch Code

Log Back Next Exit

20. Here you can do the basic maintenances for the tables 'STTM_BANK' and 'STTM_BRANCH'.

21. Click 'Next'. The following screen is displayed.

Oracle FLEXCUBE Universal Installer 12.0.0

Oracle FLEXCUBE Investor Service ORACLE

Basic Setup Details
Basic details about dates. The Date Format must be yyyy/mm/dd.

Input Date

Current Business Date

Previous Business Date

Next Business Date

Log Back Next Exit

22. Here, you can do the basic maintenances for the table 'STTM_DATES'.

23. Click 'Next'. The following screen is displayed.

Oracle FLEXCUBE Universal Installer 12.0.0

Oracle FLEXCUBE Investor Service **ORACLE**

Basic Setup Details

Currency Details.

Local Currency Code

Local Currency Name

Current Fin Cycle

Current Fin Period

24. Here, you can do the basic maintenances for the table 'CYTM_CCY_DEFN'.

25. Click 'Next'. The following screen is displayed.

Oracle FLEXCUBE Universal Installer 12.0.0

Oracle FLEXCUBE Investor Service **ORACLE**

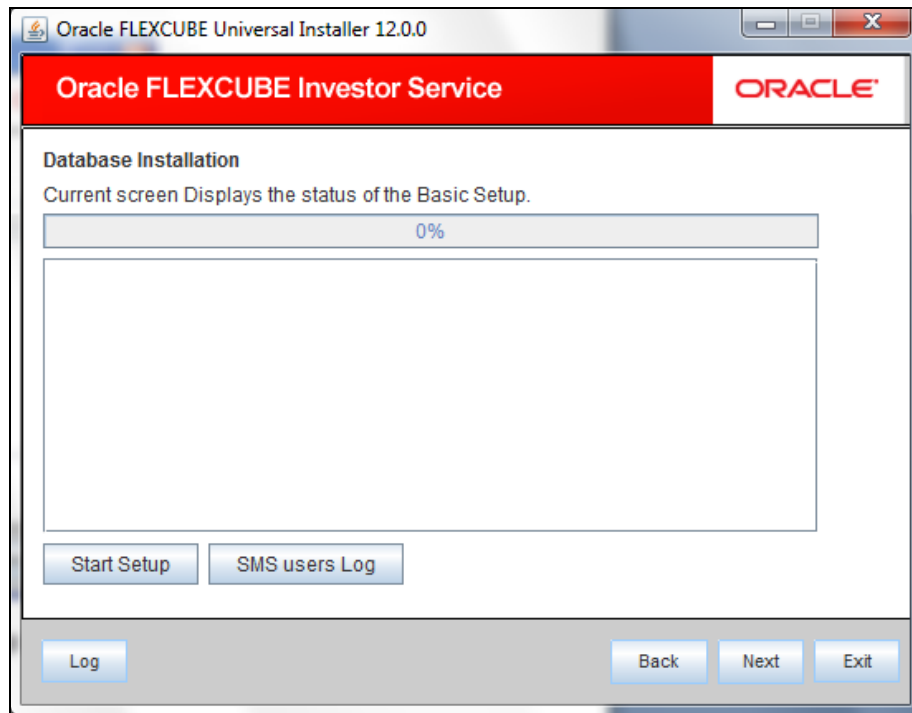
Basic Setup Details

User Creation with SMS role for login into the Oracle FLEXCUBE.

No	User Name	Password
1	ADMINUSER1	••••••••
2	ADMINUSER2	••••••••

26. Here you can do the basic maintenances for the table 'SMTB_USER' and 'SMTB_USER_ROLE'.

27. Click 'Next'. The following screen is displayed.

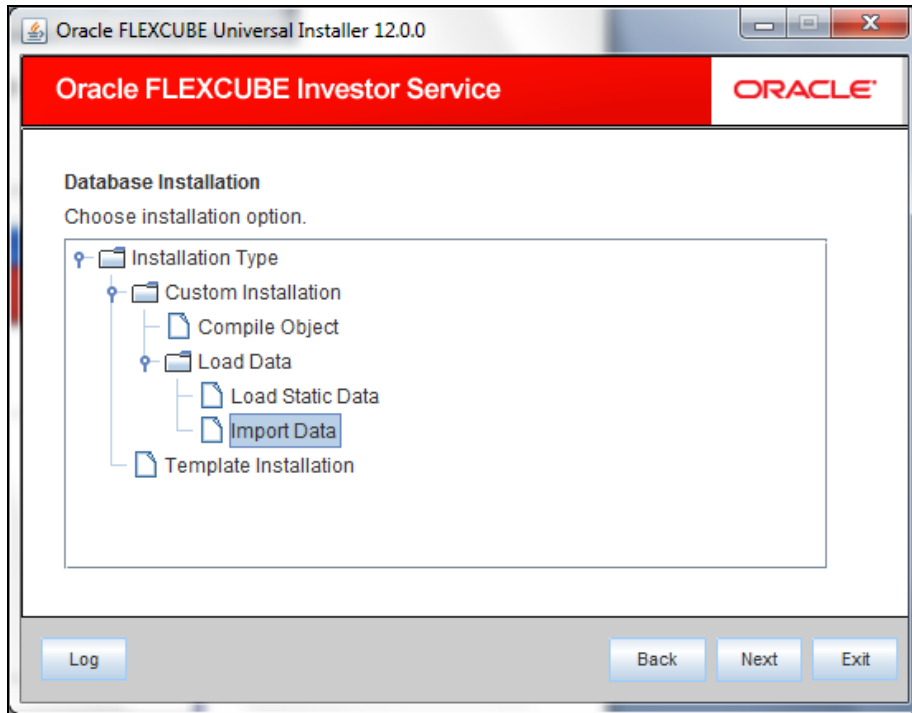


28. Click 'Start Setup' button to compile the entries.
29. This completes the static maintenance and basic setup process.

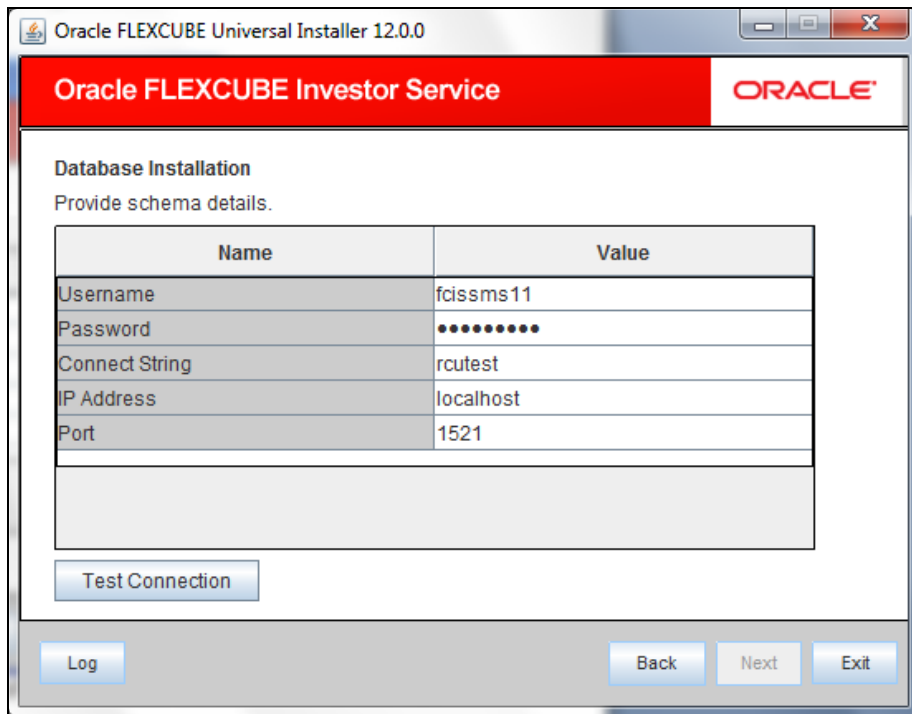
2.4.1 Import Database Installation

Data import is an alternative method to load the static data into the database. This section describes the process of importing data for installation.

1. Launch Oracle FLEXCUBE Investor Servicing Installer.



2. Select 'Import Data' and click 'Next'. The following screen is displayed.



3. Specify the following schema details:

User Name

Specify the user name to access the schema.

Password

Enter the schema password.

Connect String

Specify a valid connect string that contains the details for database connectivity.

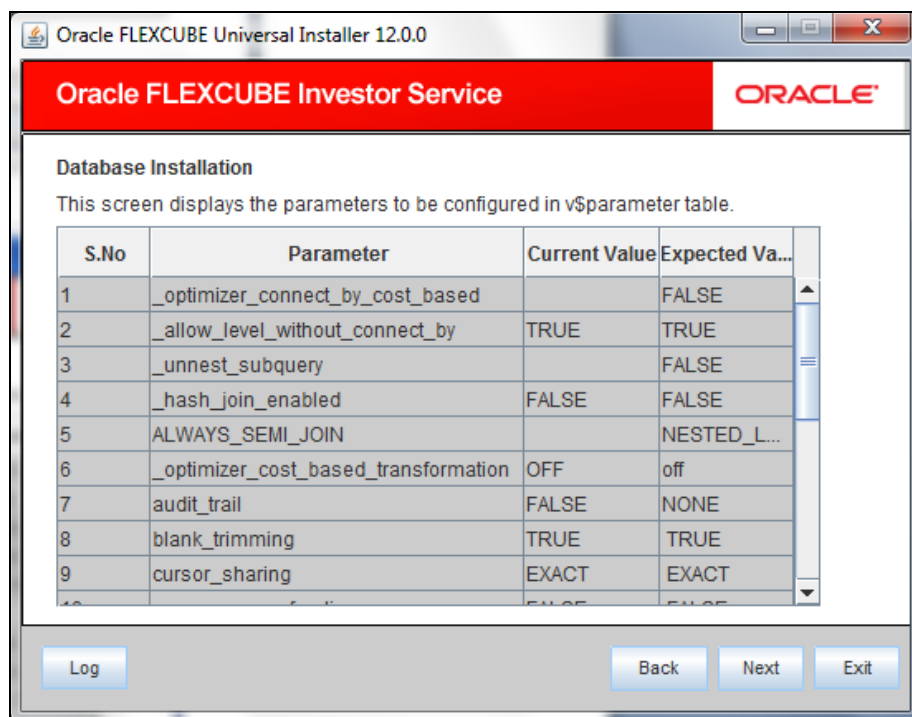
IP Address

Specify the IP address of the system where the database schema is installed.

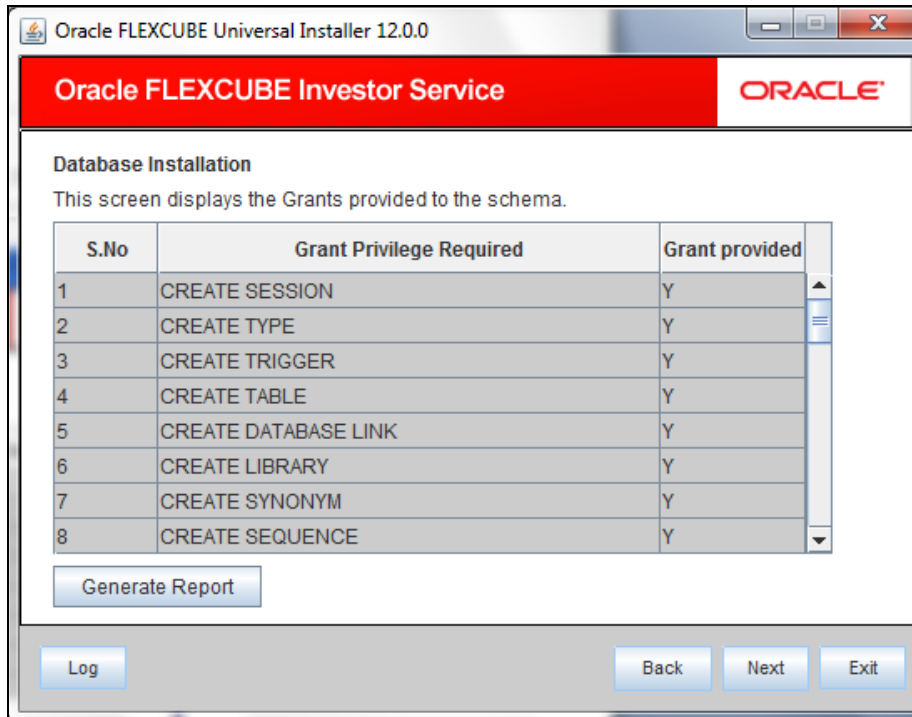
Port

Specify the port number.

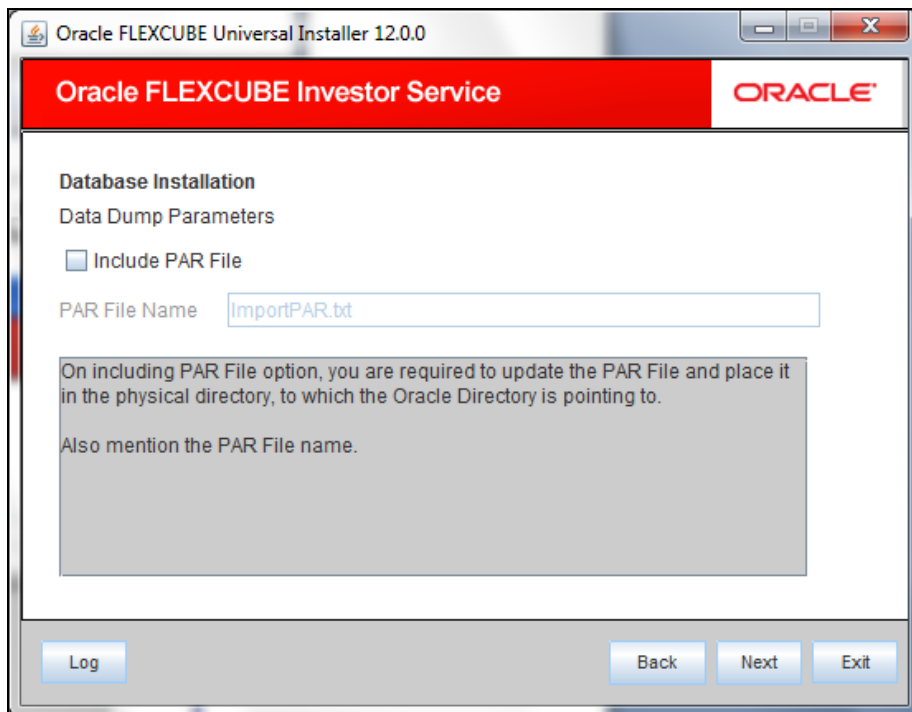
- Once you have entered the details, you can test the database schema connection using 'Test Connection' button.
- After testing the connection, click 'Next'. The following screen is displayed.



- This screen displays the parameter details of the database. This is for information purpose.
- Click 'Next'. The following screen is displayed.



8. This screen displays the grants provided to the schema. If object compilation is required and the privilege is not given, then you can find that out from this screen. This is for information purpose.
9. Click 'Next'. The following screen is displayed.



10. Specify the following details:

Include PAR File

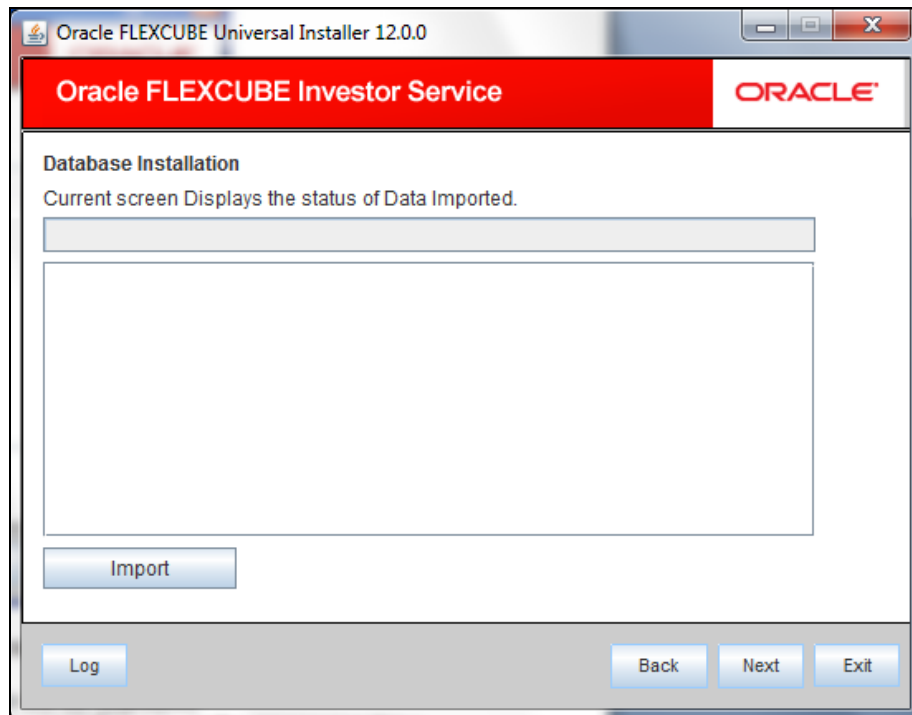
Check this box to include the PAR file. If you check this box, you need to specify the PAR file name.

PAR file stands for Parameter File. A PAR file is a text file that contains all valid parameters and their respective values. Maintaining the parameters in text format enables you to modify or reuse them easily.

PAR File Name

If you have checked the box 'Include PAR File', you need to specify the PAR file name here.

11. Once you have specified the above details, click 'Next' button.

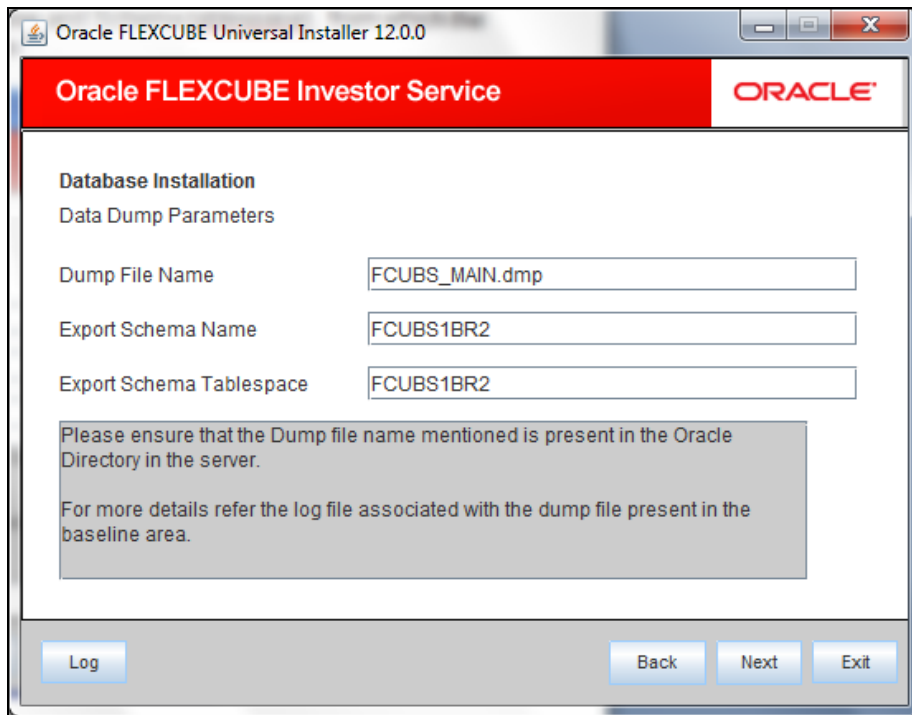


12. Click 'Import' button to import the database with the PAR file parameters.

13. If you have not checked the box 'Include PAR File', on clicking 'Next', you will be navigated to the following screen.



14. Specify the Oracle directory name. This is the directory in the server machine where the import file is located.
15. Click 'Next'. The following screen is displayed.



16. Specify the following details:

Dump File Name

Specify the import file name.

Export Schema Name

Specify the export schema name from which the import file is imported.

Export Schema Tablespace

Specify the export schema tablespace from which the import file is imported.

17. Once you have specified the above details, click 'Next'. The following screen is displayed.

Oracle FLEXCUBE Universal Installer 12.0.0

Oracle FLEXCUBE Investor Service ORACLE

Database Installation
Data Dump Parameters

Import Schema Name

Import Schema Tablespace

Provide the schema name and schema tablespace which has been created to import through Datapump.

18. Specify the following details:

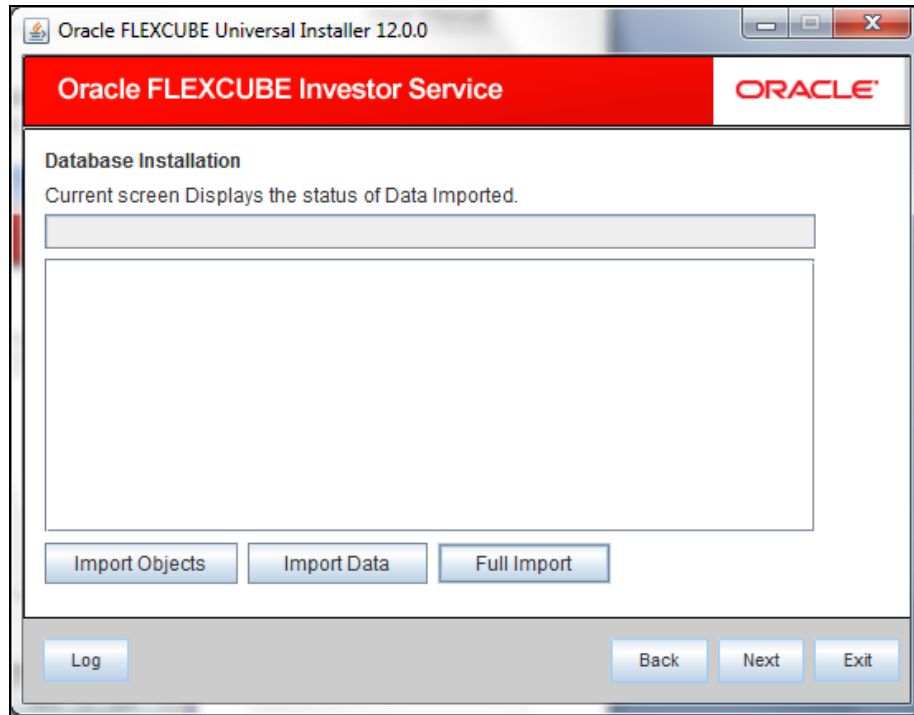
Import Schema Name

Specify the import schema name to which the import file is loaded.

Import Schema Tablespace

Specify the import schema tablespace to which the import file is loaded.

19. Once you have specified the above details, click 'Next' button. The following screen is displayed.



20. This triggers the import operation. You can optionally import the objects, data or full set by using 'Import Objects', 'Import Data' or 'Full Import' buttons respectively.

3. Tasks after Database Installation

3.1 Introduction

After the installation of database, you need to perform certain tasks described in this chapter. This chapter explains such post installation tasks applicable to different schema types.

3.2 Post installation Tasks

The schema types for Oracle FLEXCUBE Investor Servicing are given below:

- SMS
- SP
- LOB
- REPORTS

For all the above schema types, you need to get the execute permissions for the procedures given below:

- DBMS_CRYPTO
- UTL_MAIL
- CTX_DDL
- UTL_RAW
- CTXSYS
- DBMS_RLS
- UTL_RECOMP
- DBMS_MONITOR
- DBMS_LOCK
- DBMS_AQ
- DBMS_REDACT

For all the above schema types, you need to get the SELECT permissions for the Tables given below:

- GV_\$INSTANCE
- REDACTION_POLICIES
- REDACTION_COLUMNS

3.2.1 SMS Schema Type

After database installation, you need to perform some tasks for SMS schema type. Run the SQL scripts using the commands given in the following table.

Sl. No.	SQL Script	Run in	Command	Additional Information
1	smsforeignkey constraint.sql	SQL prompt of SMS	@<drive Path>BACKEND\SMS\SCRI	

Sl. No.	SQL Script	Run in	Command	Additional Information
		schema	PT\smsforeignkeyconstraint.sql	
2	grantfromsmstosp.sql	SQL prompt of SMS schema	@<drive Path>BACKEND\SMS\SCRIPT\grantfromsmstosp.sql	You will be prompted for the SP Schema name. Specify the SP Schema Name and press Enter key.
3	grantfromsmstolob.sql	SQL prompt of SMS schema	@<drive Path>BACKEND\SMS\SCRIPT\grantfromsmstolob.sql	You will be prompted for LOB Schema name. Enter the LOB Schema name and press Enter key.
4	smtb_user.sql	SQL prompt of SMS schema	@<drive Path>BACKEND\SMS\SCRIPT\smtb_user.sql	You will get prompted of the previous date, current date and next date twice.

3.2.2 SP Schema Type

After database installation, you need to perform some tasks for SP schema type. Run the SQL scripts using the commands given in the following table.

Sl. No.	SQL Script	Run in	Command	Additional Information
1	spforeignkeyconstraint.sql	SQL prompt of SP schema	@<drive Path>BACKEND\SP\SCRIPT\spforeignkeyconstraint.sql	
2	grantfromsptolob.sql	SQL prompt of SP schema	@<drive Path>BACKEND\SP\SCRIPT\grantfromsptolob.sql	You will be prompted for the LOB Schema name. Specify the LOB Schema Name and press Enter key. You need to execute this command for each LOB schema to be created.
3	smssynonymsinsp.sql	SQL prompt of SP schema	@<drive Path>BACKEND\SP\SCRIPT\smssynonymsinsp.sql	You will be prompted for SMS Schema name. Enter the SMS Schema name and press Enter key.

3.2.3 LOB Schema Type

After database installation, you need to perform some tasks for LOB schema type. Run the SQL scripts using the commands given in the following table.

Sl. No.	SQL Script	Run in	Command	Additional Information
1	All scripts in the folder - BACKEND\LOB\SCRIPT	sqlplus of LOB schema	@<drive Path>BACKEND\SMS\SCRIPT\<SCRIPTNAME>.sql	You will be prompted for SP, SMS and REPORTS schema names. Specify the schema names and press Enter key.

Note the following:

- During execution of createlobindexes.sql, you will be prompted for LOB schema name
- During execution of smssynonymsinlob.sql, you will be prompted for SMS schema name
- During execution of spsynonymsinlob.sql, you will be prompted for SP schema name
- During execution of synonymsforreportschemaobjects.sql, you will be prompted for REPORT schema name

3.2.4 Reports Schema Type

After database installation, you need to perform some tasks for Reports schema type. Run the SQL scripts using the commands given in the following table.

Sl. No.	SQL Script	Run in	Command	Additional Information
1	grantfromreporttolobschema.sql	SQL prompt of REPORTS	@<drive Path>\Backend\reports\script\grantsfromreporttolobschema.sql to be compiled after static data compilation	You will be prompted for the LOB Schema name.
2	Synonymsforreportschemaobjects.sql	All LOB schemas after static data compilation in Report Schema		Path: @< drive Path >\BACKEND\LOB\SCRIPT
3	smssynonymsinlob.sql	LOB schema		Path: @<drive Path>\BACKEND\LOB\SCRIPT

Note:

To create non SP setup, select SP schema option and provide LOB schema details. Further, follow the steps given above and complete the installation. Further, select LOB schema option and provide the same schema details given for SP and complete the installation.



Setting up Database
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Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

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