

# **Oracle FLEXCUBE Direct Banking**

Upgrade Installer User Guide

Release 12.0.3.0.0

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# Preface

## 1.1 Intended Audience

This document is primarily targeted at

- Oracle FLEXCUBE Direct Banking Development Teams
- Oracle FLEXCUBE Direct Banking Implementation Teams
- Oracle FLEXCUBE Direct Banking Implementation Partners

## 1.2 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## 1.3 Access to OFSS Support

<https://support.us.oracle.com>

## 1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual

Introduction and steps explains installation for upgrade mode .

## 1.5 Related Information Sources

For more information on Oracle FLEXCUBE Direct Banking Release 12.0.3.0.0, refer to the following documents:

Oracle FLEXCUBE Direct Banking Licensing Guide

## 2. Overview

This document discusses the usage steps and basic inputs required for FCDB Upgrade Installer execution.

Successful execution of all the steps provided in the FCDB Installer along with the complete steps provided in the supporting documentation installs or upgrades the FCDB product to the appropriate version intended.

This document discussed following topics

### Chapter 2, "Audience"

This chapter defines the audience for this document.

### Chapter 3, "Pre-requisites"

This chapter discusses the necessary installations/requirements prior to execution of Oracle FCDB Installer.

### Chapter 4, "FCDB Upgrade Installer overview"

This chapter discusses the tasks and capabilities of the Oracle FLEXCUBE Direct Banking Installer in brief.

### Chapter 5, "FCDB Upgrade Installer execution steps"

This chapter discusses the execution of Oracle FLEXCUBE Direct Banking Installer and the detailed step-by-step installation guide.

### Chapter 6, "Conclusion and Next Steps"

This chapter discusses the result of Oracle FLEXCUBE Direct Banking Upgrade Installer and the activities which are required post installation using Oracle FLEXCUBE Direct Banking Upgrade Installer.

### *Abbreviations*

The abbreviations used by the document are as follows:

FCDB	Oracle FLEXCUBE Direct Banking
CD	FCDB Installer deliverable
FCDB BASE DIR	FCDB Base Working Directory

### 3. Pre-requisites

Previous version of FCDB Should be installed (Ex:-FCDB 12.0.1).

Java is installed and JAVA\_HOME is set adequately.

Adequate administrative rights for Application product installation directory creation, modification and deletion need to be present for the FCDB Installer user before execution of installation.

The installer assumes that the application server is installed on the system intended to be used, with adequate rights for deployment and management.

The server on which the FCDB installation is running should have following :---

Oracle client

Sqlplus should be accessible from the same environment.

TNSNAMES.ORA should have the latest entries of IP address, Listener and Port number.

Following information should be ready in hand before starting the installation.

Data required during Installation	Description
Database Server hostname/IP address	This should be the hostname/IP of the database server on which FCDB schema will reside.
Database Server listener port	listener for above Database server
Database Service Name	Database service name to be used.
DBA Schema Login UserID and Password	A DB user to be used to create FCDB DB users and objects. The DB user should preferably have DBA role.
Database Table Space location on DB Server	Location on database Server where datafiles of the FCDB tablespaces will be created.
Application Server hostname/IP address	Hostname/IP of the Application server which will host FCDB applications.
Application Server Bootstrap Port	Bootstrap port of above application server. Please refer Server documentation for details on the

	same.
--	-------

## 4. FCDB Upgrade Installer Overview

Oracle FLEXCUBE Direct Banking Installer is Java based software which is used to perform complete or partial setup for Oracle FLEXCUBE Direct Banking products. The installer consists of product archive and configuration files and is shipped to the client as a single deliverable CD.

Oracle FLEXCUBE Direct Banking Installer is OS independent software which can be executed on Windows as well as UNIX based environments.

On invocation, the installer performs the tasks based on the build configurations provided as encrypted property files. Some activities and features performed by the toolkit are explained here. More details about each task are explained in detail in following sections.

### *Verification of the shipped archive :*

This task verifies whether the delivered archive is tampered and audits the same. In case of any mismatch found the toolkit abort itself and logs the details.

### *Auto backup :*

Before initiation of installer activities, a complete backup of the existing setup is performed and placed in backup location relative to application home. Review the location matrix at the end of this document for the location details of the new as well as backed up sources.

### *Application setup :*

1. This task copies deliverable application folders to location relative to the application home. During complete setup all the application folders (including documents and javadocs) is copied to root relative locations.
2. Property files update is performed based on build configuration. The properties key-values to be updated is taken as input from the toolkit user, as explained in later chapters.

### *DB setup :*

In case of complete setup with DB Install option selected this activity performs the creation of application DB users, application related database entities. Please refer “FLEXCUBE Direct Banking Database Setup” for additional information on DB activity details, steps for performing this activity manually and actions required post this activity.

### *Auditing and logging action:*

All the user entries as well toolkit activities are logged on screen as well as user defined log location. The verification screen allows the user to verify the inputs post which the progress of the installer is displayed to end user appropriately.

## 5. FCDB Upgrade Installer execution steps

This chapter provides detailed information about the installer workflow and the result entities created in the process. User needs to follow the step by step details to successfully install the delivered FCDB setup.

Copy the installation content from the deliverable (CD) to a temporary installation location on the server where FCDB product is required to be deployed. This location can be purged after successful execution of the installation.(This process can be skipped if the executable batch files are executed from the CD.)

The Installer provides two GUI modes of execution based on invocation parameters. Both the execution modes are identical in their requirements and result output.

### Command input mode :

Command input mode accepts the input on system command prompt. This mode can be used in cases where graphic GUI cannot be invoked. In order to run the executable Please go to the directory where the executable resides and then invoke it.

To invoke this mode execute the install batch with following parameter.

OS	Command query
Windows	<Installer CD>/install.bat c
Unix	sh install.sh c

This option invokes the installer in command prompt. All inputs are sequentially asked by command line prompts. This mode ignores the dayzero DB setup, if present.

If dayzero Db setup is required, then to invoke this mode execute the installwithDB batch with following parameter.

OS	Command query
Windows	<Installer CD>/installwithDB.bat c
Unix	sh installwithDB.sh c

This option invokes the installer in command prompt. All inputs are sequentially asked by command line prompts. The input asked mainly is the path where log files would be generated.



Please note that DB dayzero are invoked only in case of Full setup. It is not called for other setup modes (e.g. Patch setup).

Note: In case of FCDB application installation and setup on horizontal cluster using FCDB Installer where manual synchronization is required on cloned file systems (i.e. ), use DB Dayzero setup option only for one of the cluster members.

Also , the application server needs to be shutdown before applying upgrade .

Please refer section '[Steps to follow in command mode](#)' to run the installer in Command input mode.

### *Swing input mode*

Swing input mode is an interactive installer interface used for installation of FCDB. In order to run the executable Please go to the directory where the executable resides and then invoke it.

To invoke this mode run the install batch without any additional parameters.

OS	Command query
Windows	<Installer CD>/install.bat
Unix	sh install.sh

This option invokes a java based interactive swing user interface. This option ignores the dayzero DB setup, if present.

If dayzero Db setup is required, then to invoke this mode run the installwithDB batch without any additional parameters. This option invokes a java based interactive user interface.

OS	Command query
Windows	<Installer CD>/installwithDB.bat
Unix	sh installwithDB.sh

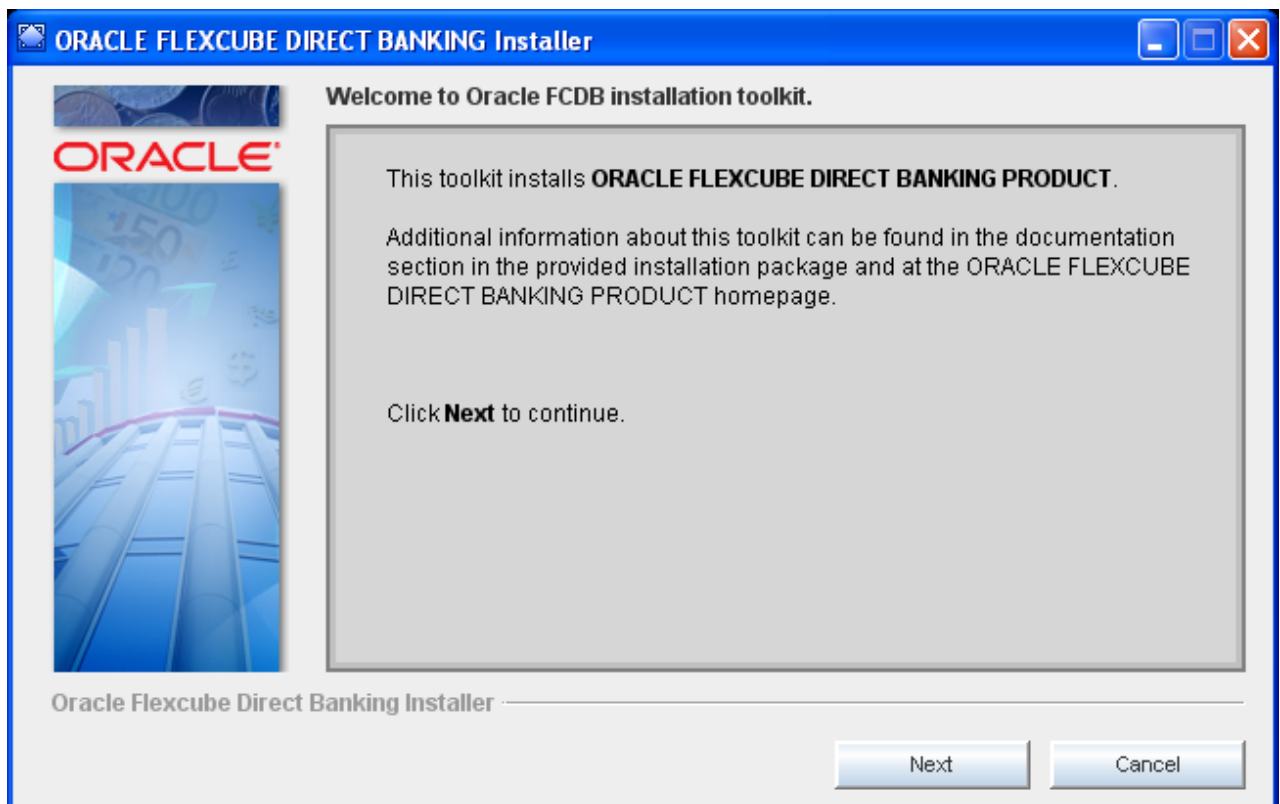
Identical information is collected is for both the modes (command mode/ swing mode) and is further used for installation and managing configurations.

**NOTE:** In case where DB Installation step is skipped it is assumed that the DB installation is done completely along with FCDB Database users created. Although DB installation can be performed at a later stage manually (refer: "Oracle FLEXCUBE Direct Banking Database Setup") the DB login details (Database Administrator User Credentials etc.) should be present at the time of FCDB installer execution.

After run the installwithDB.bat/installwithDB.sh select the log path in your base location.

(E.g. - \usr\FCDB\logs – UNIX systems)

On internal verification of the required components being present, the following welcome screen is displayed to the user. Click Next to continue. In case of welcome screen not able to display, please refer the log location for error messages.

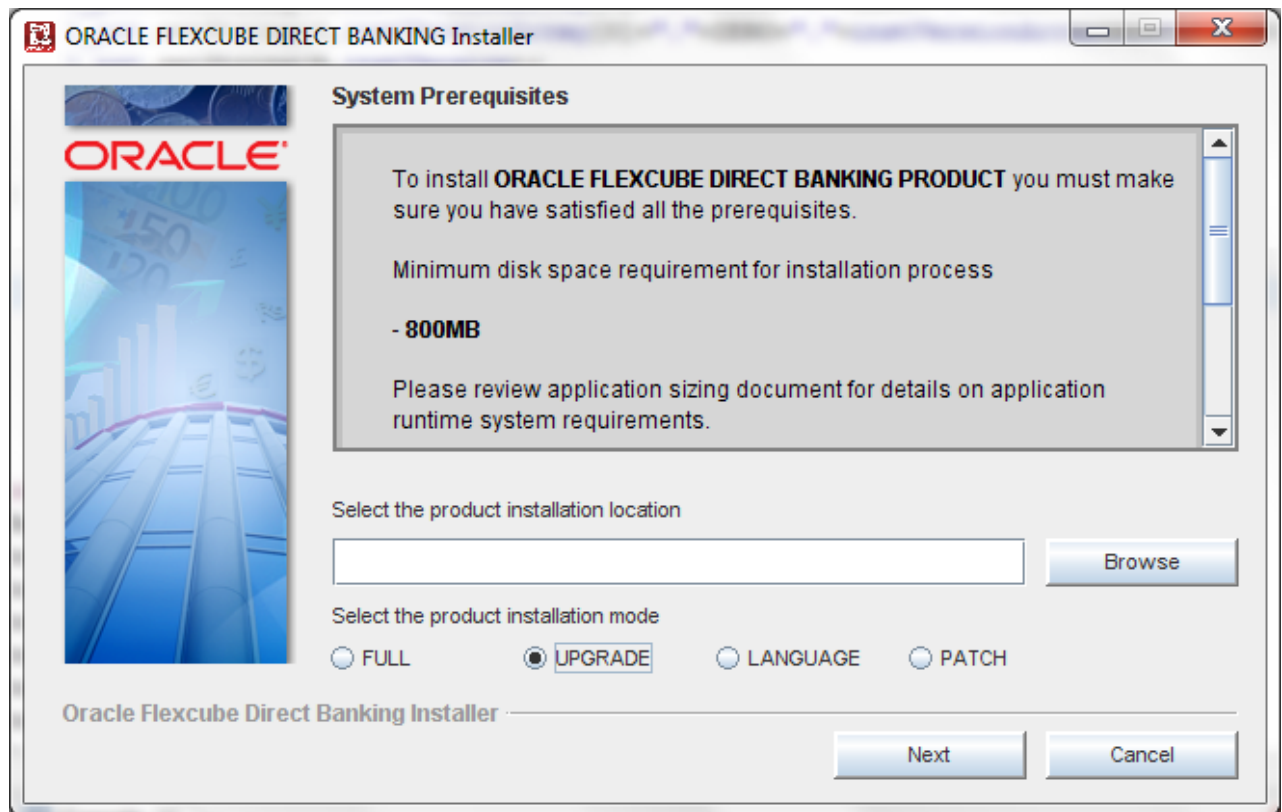


On Next, Oracle Copyrights screen is displayed



Read Oracle Copyrights. Click Next to proceed.

On Next, System Prerequisite screen is displayed



Enter the Product Installation location. The product installation location is specific to the operation system. (E.g. - \usr\FCDB – UNIX systems)

This location is used by the installer for all the installation related activities including backup. This location is treated as “application home” by the application servers. (Refer application server installation document for additional details)

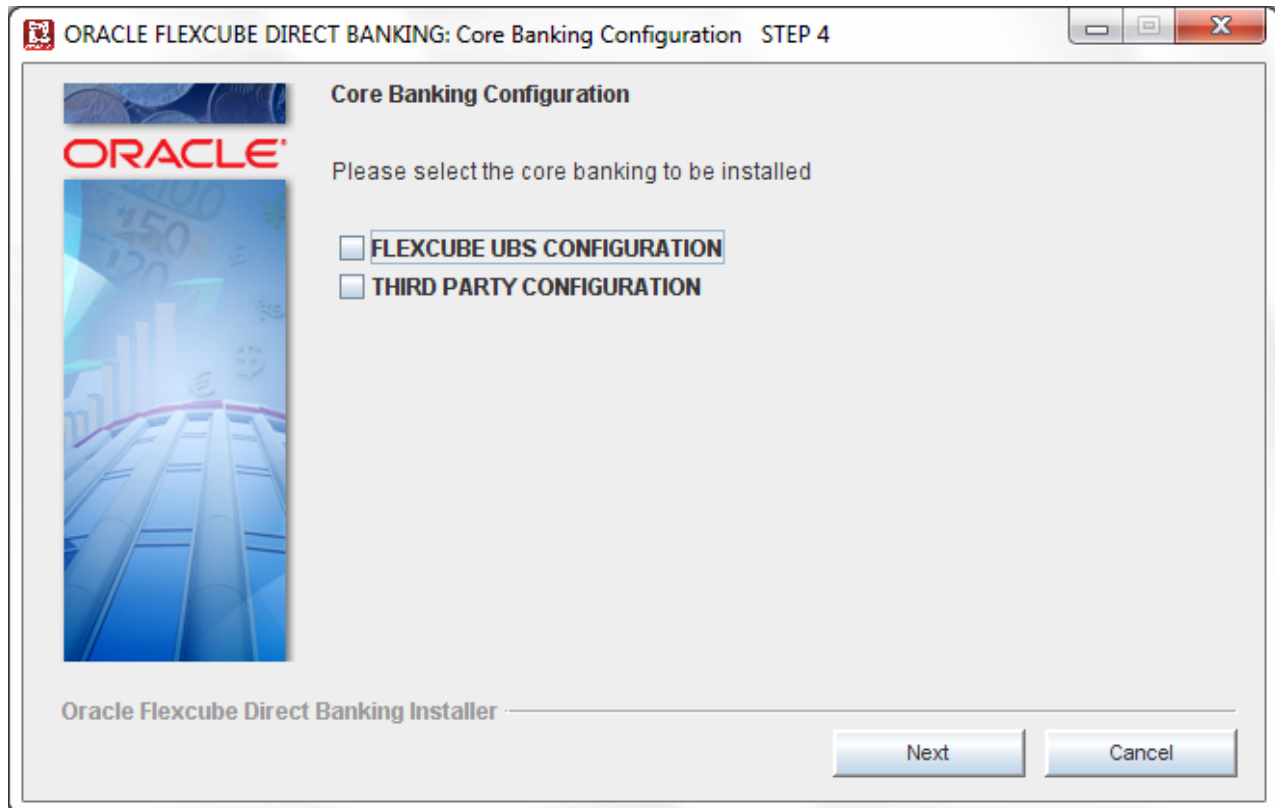
The installation location is created on the given location if not already present. Adequate administrative rights for directory creation, modification and deletion need to be present for the installation user before execution of installation.

Select the Product Installation mode Upgrade.

**Note :** -Product needs to be installed in the FCDB 12.0.1 installed folder location

On next, Core Banking Configuration Screen is displayed.

This screen has two options: *Flexcube UBS Configuration* and the *Third Party Configuration*. On selecting, the respective configuration will be configured



**Note:** For installations involving only Third Party System (non-FLEXCUBE), the steps mentioned below are not to be followed , please follow steps from ..Step 10

7 .On next, Data Base Server Setting is displayed.

Here the user have to enter the DB details.

Input field	Description	Example
DB hostname	Please provide the host or ip of DB	10.180.00.00
DB Listener Port	Please provide the port number	1521
Service Name	Please provide the Service Name	FCDB
Schema User	Please provide the admin user schema name	FCDBADMINTEST17
Password	Please provide the password	PASSWORD

8. On next, Multi Entity Schema Setting is displayed.

Database link option selection should be same as previously installed version.

The screenshot shows the 'Oracle Flexcube Direct Banking Installer' window. The title bar reads 'ORACLE FLEXCUBE DIRECT BANKING Installer'. The main window has a left sidebar with the Oracle logo and a blue-themed graphic. The main content area is titled 'Run the Multi Entity Schema' and contains the following text: 'Run the MultiEntity Schema To access the UBS Schema'. Below this, there is a checkbox labeled 'Do you want to create Database Link' which is checked, with a 'Yes' button next to it. Below the checkbox are ten text input fields for the following labels: 'Enter entity Identifier', 'Enter timezone region', 'Enter the environment identifier', 'Enter EHMS without identifier', 'Enter password for Entity User', 'Enter value for UBS schema', 'Enter target FCC username', 'Enter target FCC password', 'Enter target FCC database host', and 'Enter target FCC database port'. At the bottom of the window, there is a progress bar and two buttons: 'Next' and 'Cancel'.

**Run the Multi Entity Schema**

Run the MultiEntity Schema  
To access the UBS Schema

Do you want to create Database Link ☒ Yes

Enter entity Identifier

Enter timezone region

Enter the environment identifier

Enter EHMS without identifier

Enter password for Entity User

Enter value for UBS schema

Enter target FCC username

Enter target FCC password

Enter target FCC database host

Enter target FCC database port

Enter target FCC database SID

Oracle Flexcube Direct Banking Installer

Next Cancel

Input field	Description	Example
Identity	Enter entity identifier	B001
TimeZone	Enter timezone	Asia/Calcutta
Environment	Enter the environment identifier	_DEV, _SIT
EHMS User Name	Enter EHMS without identifier	FCDBB001
Entity Password	Enter password for Entity User	FCDBB001
UBS Schema Name	Enter value for UBS schema	FCUBS12R2
FCC UserName	Enter target FCC username	FC12DBDEV
FCC Password	Enter target FCC password	FC12DBDEV
FCC Host	Enter target FCC database host	10.180.23.60
FCC Port	Enter target FCC database port	1521
FCC SID	Enter target FCC database SID	KD12NEW



**Note :** In case of **Third Party Configuration**.

Please Login into SYS user and Give DBA grants to Admin User.

Ex: If Admin user is FCDBADMIN\_1203

Sql> GRANT DBA TO FCDBADMIN\_1203;

10. On next, Data Base Server Setting is displayed.

Here the user have to enter the DB details

**ORACLE FLEXCUBE DIRECT BANKING Installer**

**Database Server Settings**

Specify the database connectivity settings here.  
Test connection can be clicked to verify the database connectivity.

☒ DB Connection Parameters ☐ Specify Connect String

DB hostname/ip address

DB listener port

DB service name

Schema user

Schema password

Confirm schema password

Provide db environment postfix

Enter Third Party Schema

Enter Third Party Schema Password

Enter Time Zone

Oracle Flexcube Direct Banking Installer

Test Connection

Next

Cancel

Input field	Description	Example
DB hostname	Please provide the host or ip of DB	10.180.00.00
DB Listener Port	Please provide the port number	1521

Service Name	Please provide the Service Name	FCDB
Schema User	Please provide the admin user schema name	FCDBADMINTEST17
Password	Please provide the password	
Environment postfix	Please provide db environment postfix	_DEV
Enter Third Party Schema	Please provide third Party Schema	FCDBT001
Enter Third Party Schema Password	Please provide third Party Schema Password	FCDB
Enter Time Zone	Please provide Time Zone	Asia/Calcutta

11 .On Next Screen Application Server Setting screen is displayed

The screenshot shows the 'Application Server Settings' window of the Oracle Flexcube Direct Banking Installer. The window has a blue title bar with the text 'ORACLE FLEXCUBE DIRECT BANKING Installer'. On the left side, there is a vertical panel with the Oracle logo and a blue background image featuring a bar chart and currency symbols. The main area of the window is titled 'Application Server Settings' and contains the following elements:

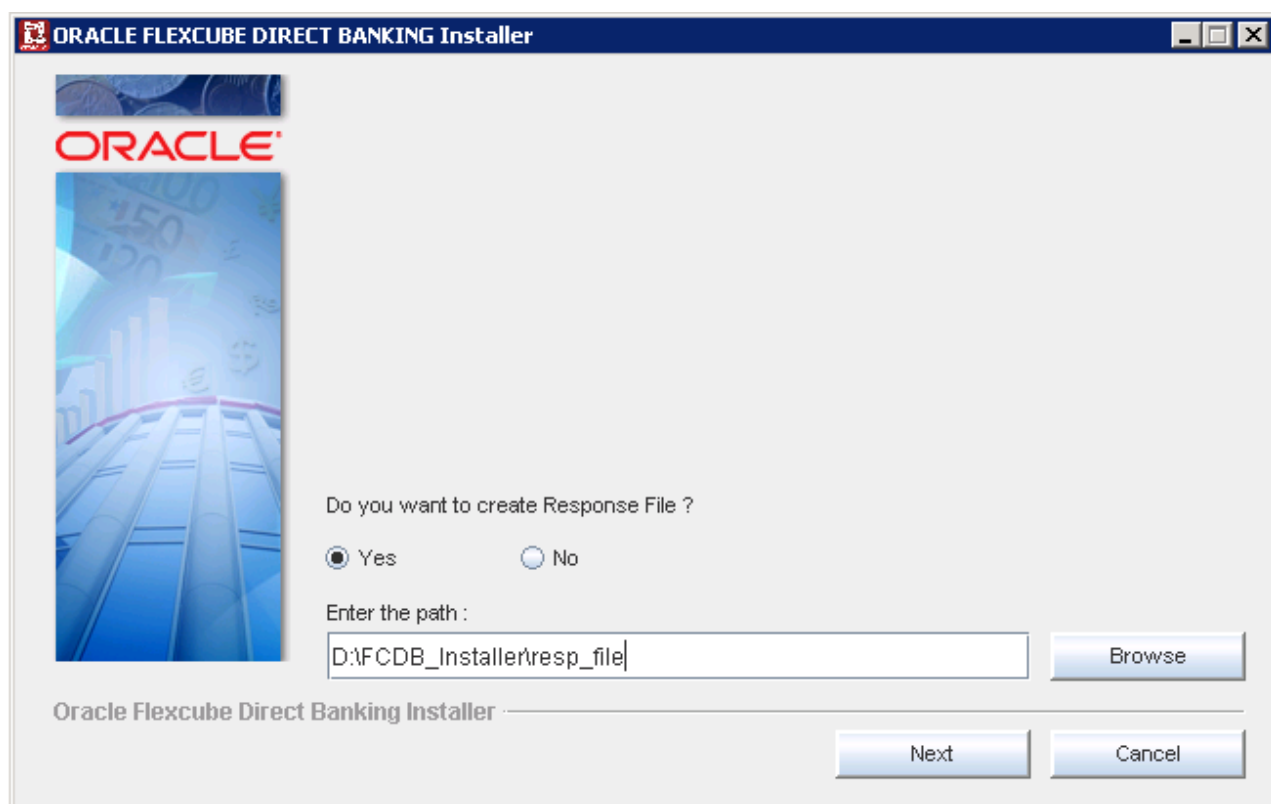
- A text box with instructions: 'Specify the application server settings here. Provide hostname / ip address for application server. Provide bootstrap port for the intended application server.'
- A dropdown menu labeled 'Select App server' with 'WEBLOGIC' selected.
- A text input field labeled 'App provider hostname/ip address' containing '192.168.10.125'.
- A text input field labeled 'App server bootstrap port' containing '7001'.
- At the bottom right, there are 'Next' and 'Cancel' buttons.

This screen takes inputs for the FCDB application server details. (This screen is only displayed in case the deliverable contains application server related changes or properties related changes. If this screen does not appear, proceed to the next screen information.)

List of supported servers appears as a dropdown on the screen. Provide appropriate details as provided in Application server console.

Click next to continue.

12. On next, screen allows the user to create response file. Input for whether the Response file will be created or not is required.



If 'yes' is selected, screen allows the user to create response file.

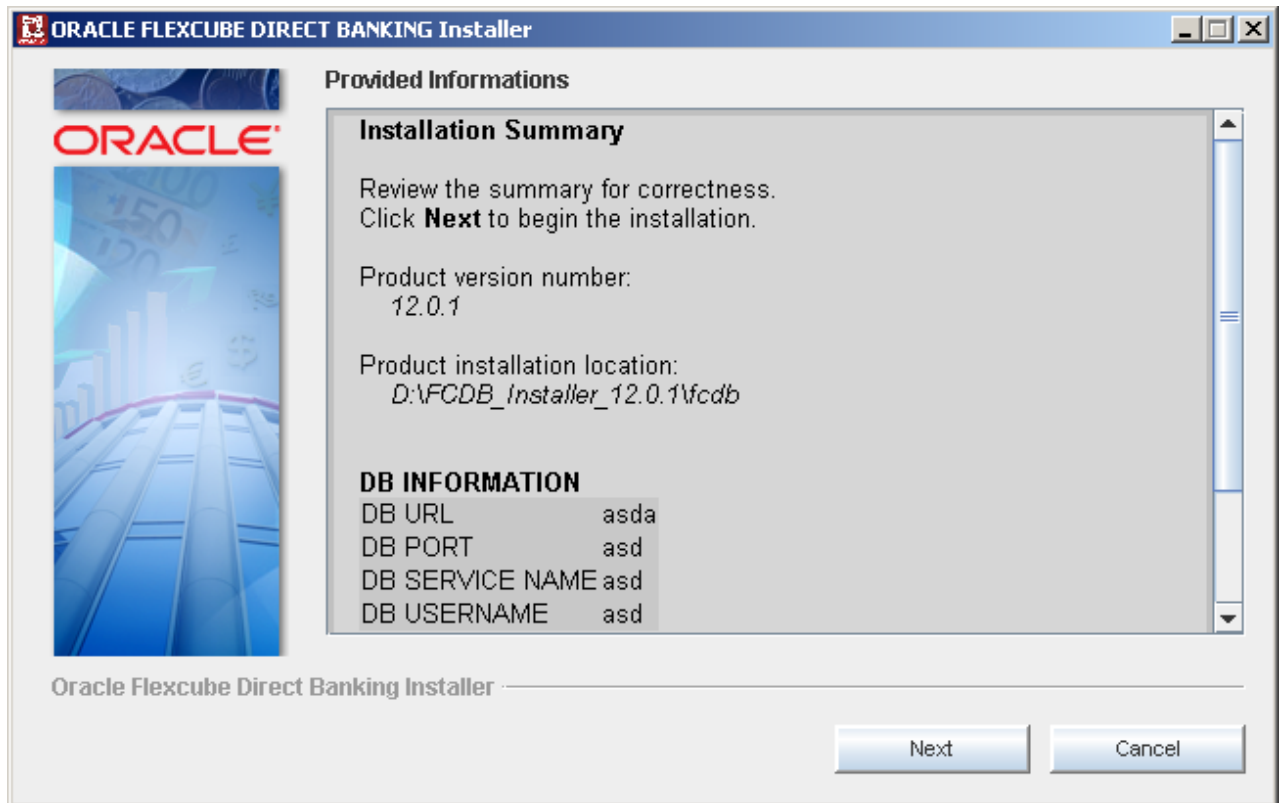
Please choose the appropriate option and provide the proper path for the response file to be created.

Click Next to proceed.

If 'yes' is selected, Response File will be created on complete installation at given location.

Note: Response file captures all inputs given at time of executing Installer.

13. On next, Verification screen is displayed.

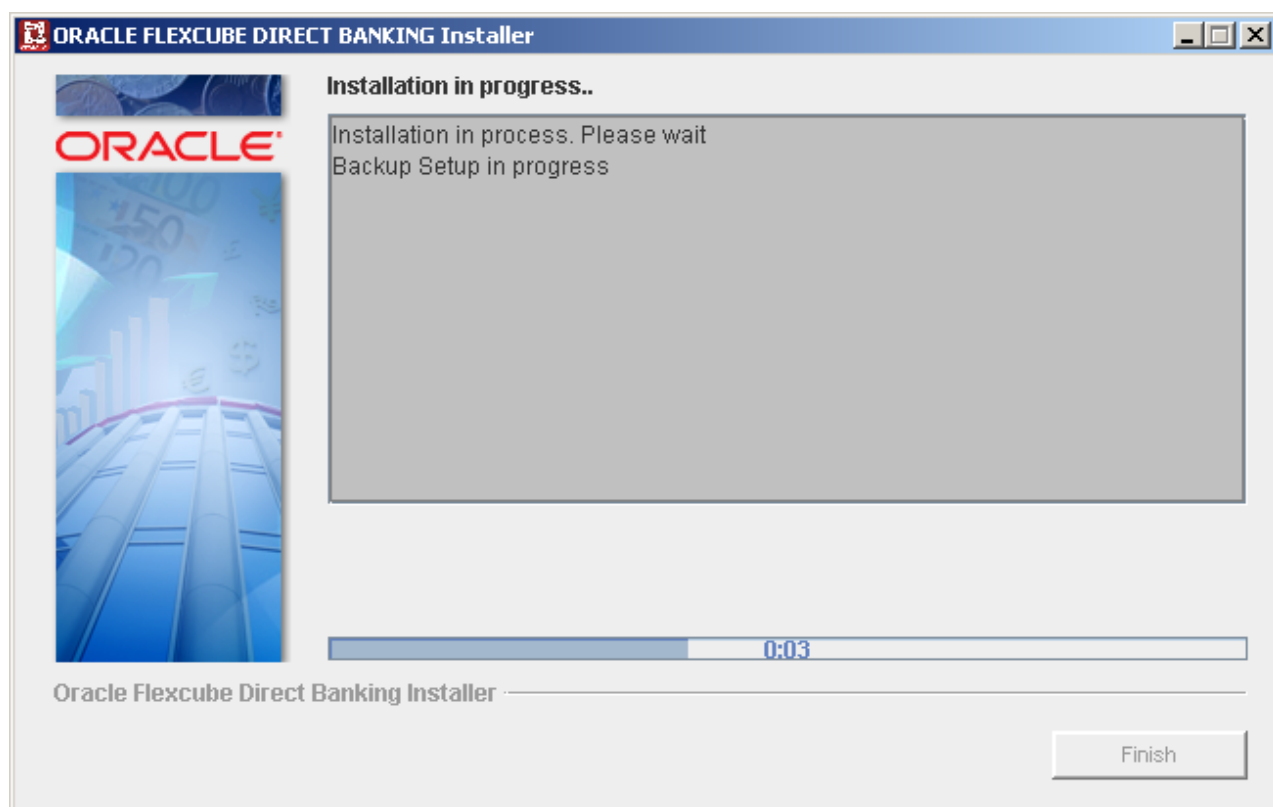


This screen allows user to verify all the details that have been input on this screen. This screen also displays details about the deliverable version and installation location.

Post complete confirmation. Click next to proceed with the installation. In case of incorrect entries click cancel to abort the setup and exit the installer.

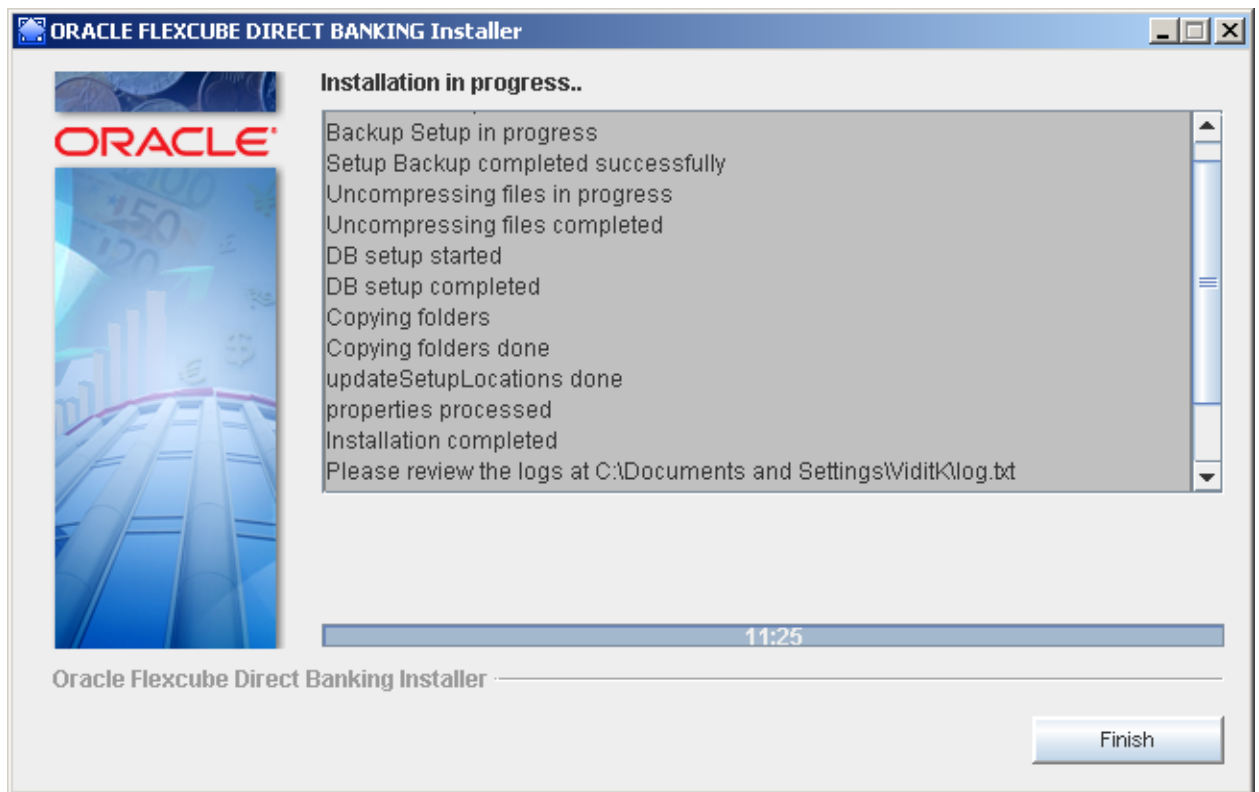
**NOTE:** The FCDB Installer needs to be aborted with Cancel button and restarted in case of any detail missing or incorrect.

14. On next, the Installation progress screen is displayed.



This screen displays the activities performed by the installer and the time elapsed for the same. This screen also logs all the activities and errors.

On complete successful installation, the Finish button is displayed along with the location details of the log files logged.



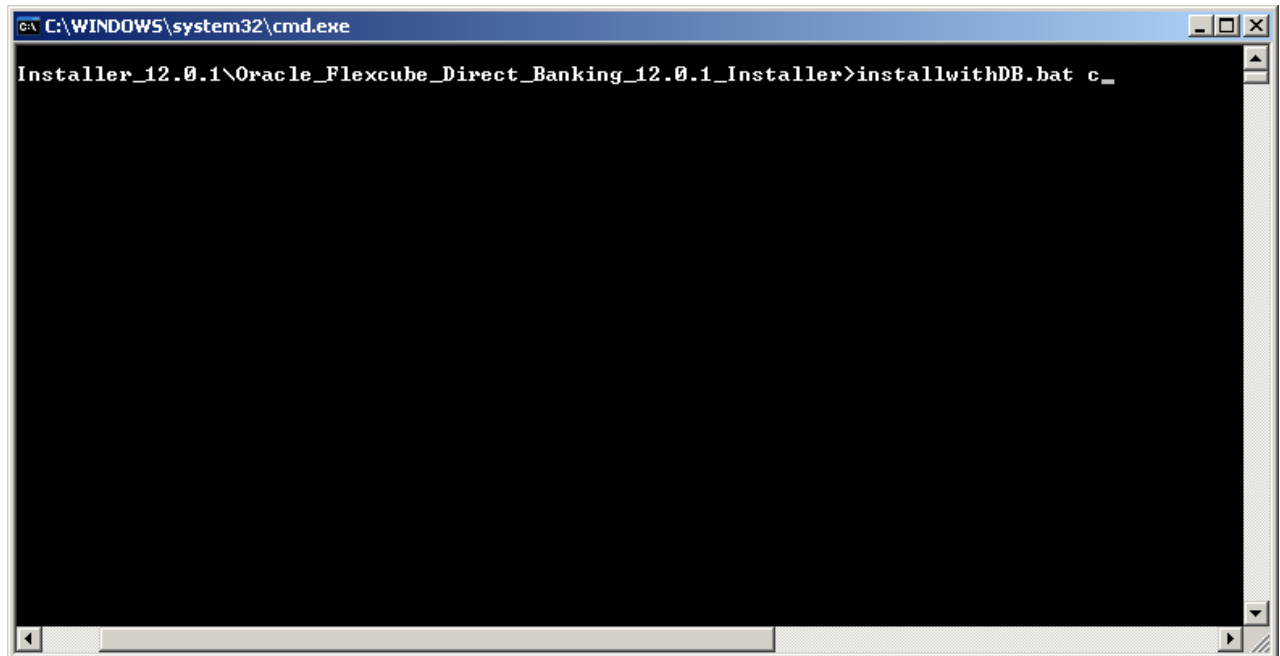
Click Finish to complete the installation steps and close the installer.

Steps to follow in command mode

1. Open command prompt and execute following commands and enter.

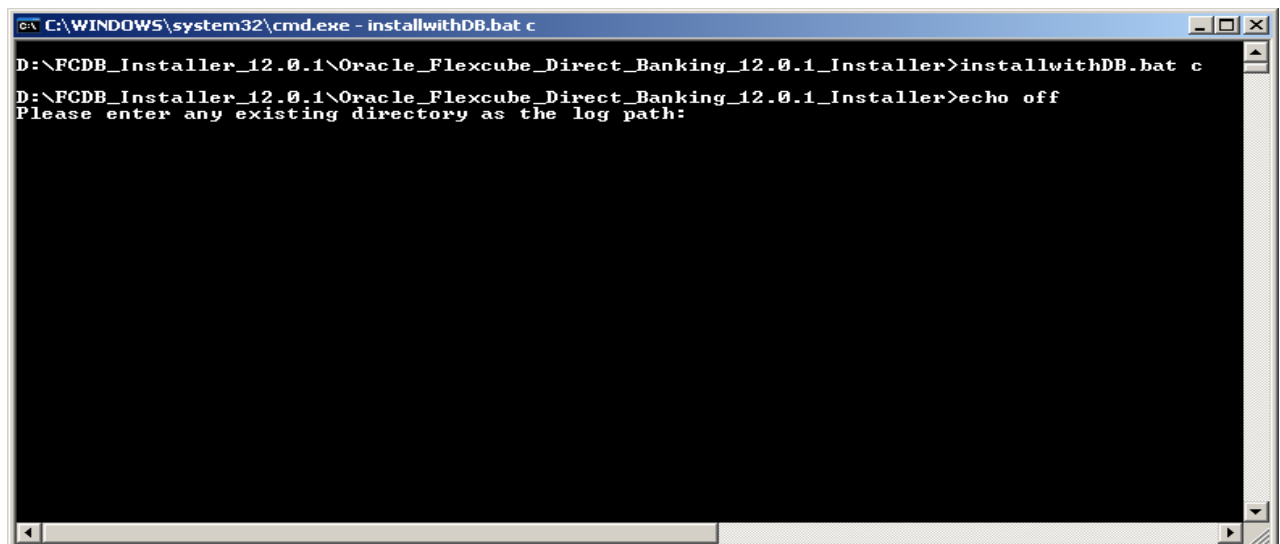
For windows : <Installer CD>/installwithDB.bat c

For Linux : <Installer CD>/installwithDB.sh c



```
C:\WINDOWS\system32\cmd.exe
Installer_12.0.1\Oracle_Flexcube_Direct_Banking_12.0.1_Installer>installwithDB.bat c_
```

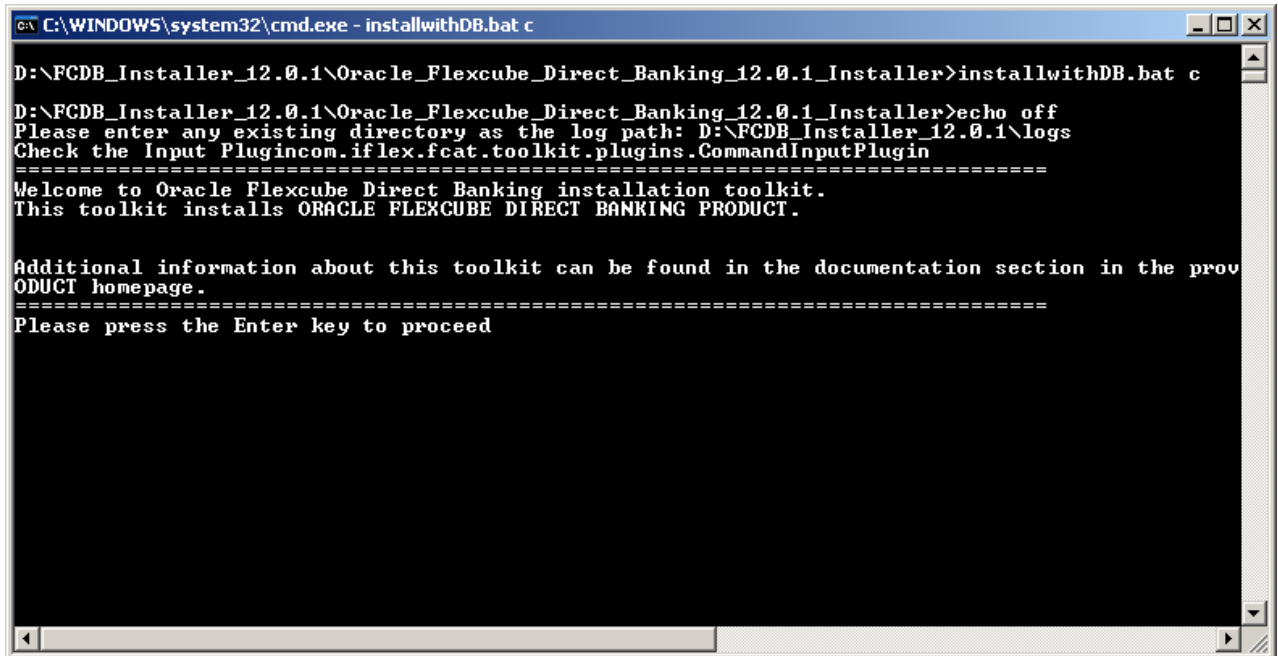
2. Enter any existing directory path to store logs and enter.



```
C:\WINDOWS\system32\cmd.exe - installwithDB.bat c
D:\FCDB_Installer_12.0.1\Oracle_Flexcube_Direct_Banking_12.0.1_Installer>installwithDB.bat c
D:\FCDB_Installer_12.0.1\Oracle_Flexcube_Direct_Banking_12.0.1_Installer>echo off
Please enter any existing directory as the log path:
```



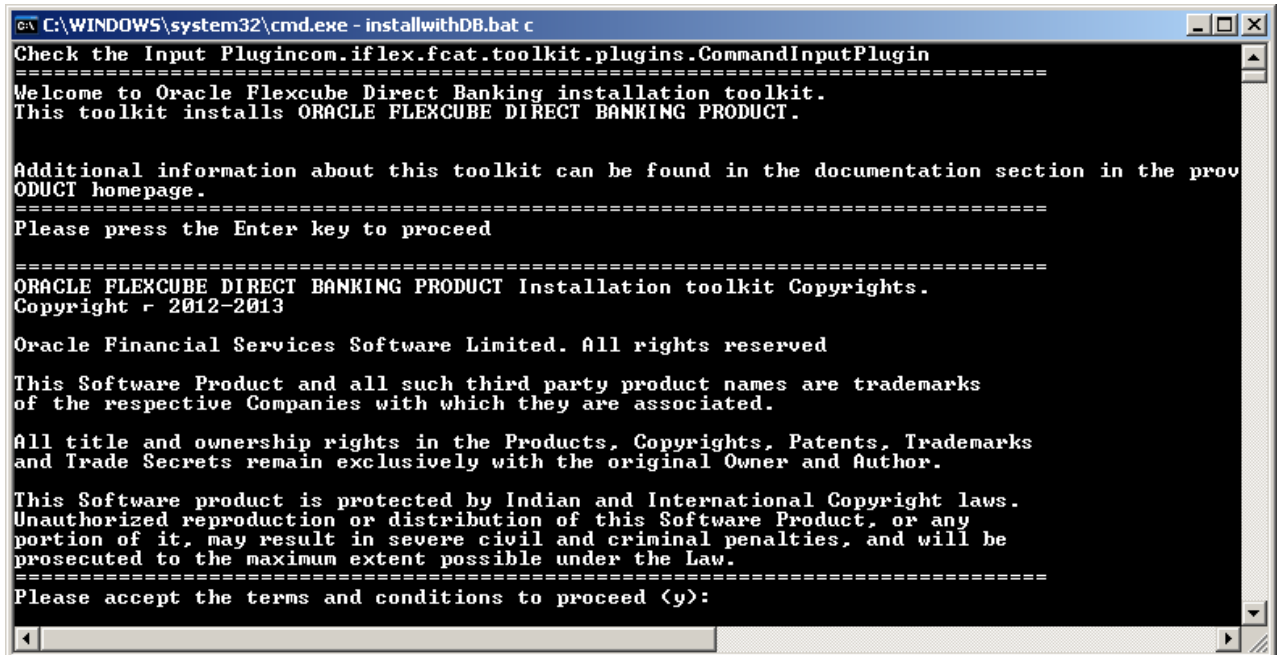
3. Welcome message will appear, Press Enter to proceed.



```
C:\WINDOWS\system32\cmd.exe - installwithDB.bat c
D:\FCDB_Installer_12.0.1\Oracle_Flexcube_Direct_Banking_12.0.1_Installer>installwithDB.bat c
D:\FCDB_Installer_12.0.1\Oracle_Flexcube_Direct_Banking_12.0.1_Installer>echo off
Please enter any existing directory as the log path: D:\FCDB_Installer_12.0.1\logs
Check the Input Plugincom.iflex.fcat.toolkit.plugins.CommandInputPlugin
=====
Welcome to Oracle Flexcube Direct Banking installation toolkit.
This toolkit installs ORACLE FLEXCUBE DIRECT BANKING PRODUCT.

Additional information about this toolkit can be found in the documentation section in the prov
ODUCT homepage.
=====
Please press the Enter key to proceed
```

4. Terms and Conditions will be displayed. To proceed press <Y> and <Enter>.



```
C:\WINDOWS\system32\cmd.exe - installwithDB.bat c
Check the Input Plugincom.iflex.fcat.toolkit.plugins.CommandInputPlugin
=====
Welcome to Oracle Flexcube Direct Banking installation toolkit.
This toolkit installs ORACLE FLEXCUBE DIRECT BANKING PRODUCT.

Additional information about this toolkit can be found in the documentation section in the prov
ODUCT homepage.
=====
Please press the Enter key to proceed

=====
ORACLE FLEXCUBE DIRECT BANKING PRODUCT Installation toolkit Copyrights.
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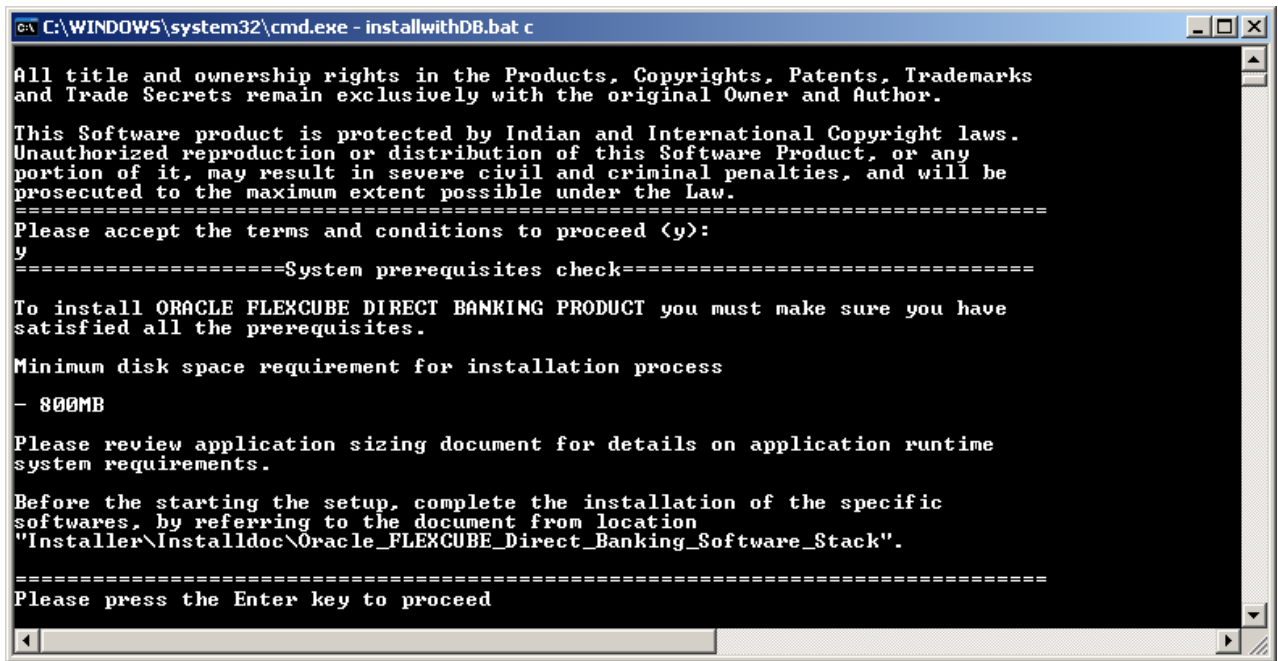
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prosecuted to the maximum extent possible under the Law.
=====
Please accept the terms and conditions to proceed (y):
```

5. Information regarding space requirements will be displayed. Press <Enter> to continue.



```
C:\WINDOWS\system32\cmd.exe - installwithDB.bat c

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portion of it, may result in severe civil and criminal penalties, and will be
prosecuted to the maximum extent possible under the Law.
=====
Please accept the terms and conditions to proceed (y):
y
=====System prerequisites check=====

To install ORACLE FLEXCUBE DIRECT BANKING PRODUCT you must make sure you have
satisfied all the prerequisites.

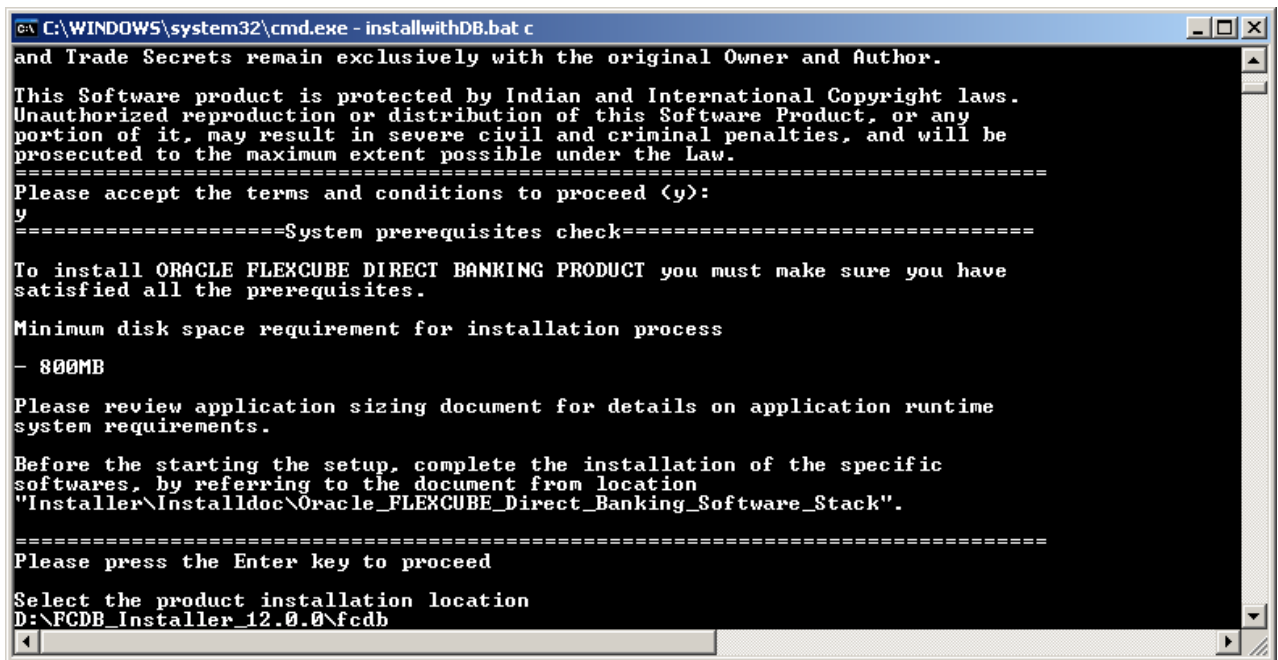
Minimum disk space requirement for installation process
- 800MB

Please review application sizing document for details on application runtime
system requirements.

Before the starting the setup, complete the installation of the specific
softwares, by referring to the document from location
"Installer\Installdoc\Oracle_FLEXCUBE_Direct_Banking_Software_Stack".
=====
Please press the Enter key to proceed
```

6. Enter the path of location where product is to be installed and press <Enter>.

**Note :** -Product needs to be installed in the FCDB 12.0.1 installed folder location



```
C:\WINDOWS\system32\cmd.exe - installwithDB.bat c

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This Software product is protected by Indian and International Copyright laws.
Unauthorized reproduction or distribution of this Software Product, or any
portion of it, may result in severe civil and criminal penalties, and will be
prosecuted to the maximum extent possible under the Law.
=====
Please accept the terms and conditions to proceed (y):
y
=====System prerequisites check=====

To install ORACLE FLEXCUBE DIRECT BANKING PRODUCT you must make sure you have
satisfied all the prerequisites.

Minimum disk space requirement for installation process
- 800MB

Please review application sizing document for details on application runtime
system requirements.

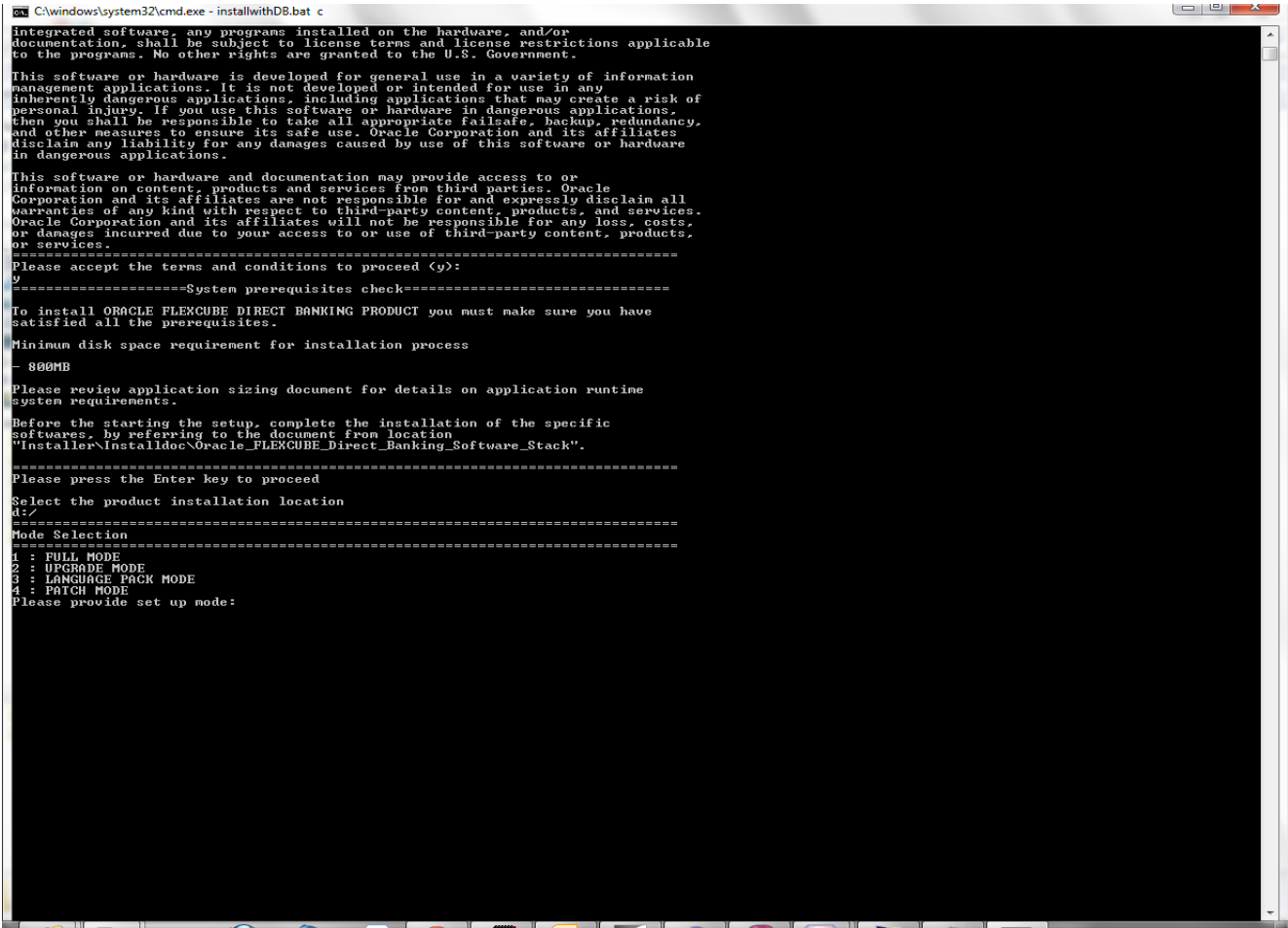
Before the starting the setup, complete the installation of the specific
softwares, by referring to the document from location
"Installer\Installdoc\Oracle_FLEXCUBE_Direct_Banking_Software_Stack".
=====
Please press the Enter key to proceed

Select the product installation location
D:\FCDB_Installer_12.0.0\fcdb
```

## 7. Select the Mode

1. FULL 2.UPGRADE 3.LANG PACK 4.PATCH

→ Press '1' or Press '2' or Press '3' or Press '4' → <Enter>

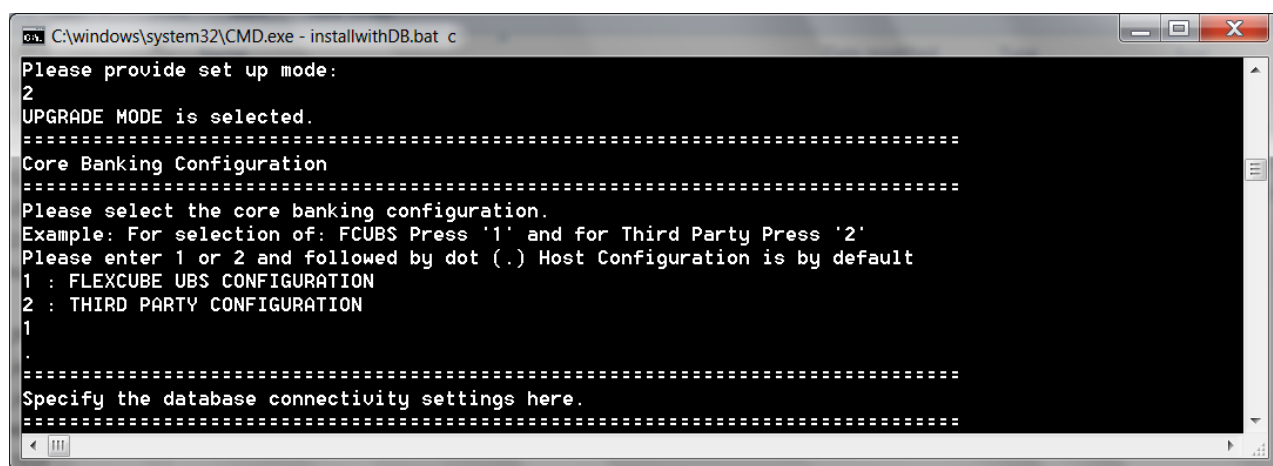


```
C:\windows\system32\cmd.exe - installwithDB.bat c
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documentation, shall be subject to license terms and license restrictions applicable
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management applications. It is not developed or intended for use in any
inherently dangerous applications, including applications that may create a risk of
personal injury. If you use this software or hardware in dangerous applications,
then you shall be responsible to take all appropriate failsafe, backup, redundancy,
and other measures to ensure its safe use. Oracle Corporation and its affiliates
disclaim any liability for any damages caused by use of this software or hardware
in dangerous applications.

This software or hardware and documentation may provide access to or
information on content, products and services from third parties. Oracle
Corporation and its affiliates are not responsible for and expressly disclaim all
warranties of any kind with respect to third-party content, products, and services.
Oracle Corporation and its affiliates will not be responsible for any loss, costs,
or damages incurred due to your access to or use of third-party content, products,
or services.
=====
Please accept the terms and conditions to proceed <y>:
y
=====System prerequisites check=====
To install ORACLE FLEXCUBE DIRECT BANKING PRODUCT you must make sure you have
satisfied all the prerequisites.
Minimum disk space requirement for installation process
- 800MB
Please review application sizing document for details on application runtime
system requirements.
Before the starting the setup, complete the installation of the specific
softwares, by referring to the document from location
"Installer\Installdoc\Oracle_FLEXCUBE_Direct_Banking_Software_Stack".
=====
Please press the Enter key to proceed
Select the product installation location
d:/
=====
Mode Selection
=====
1 : FULL MODE
2 : UPGRADE MODE
3 : LANGUAGE PACK MODE
4 : PATCH MODE
Please provide set up mode:
```

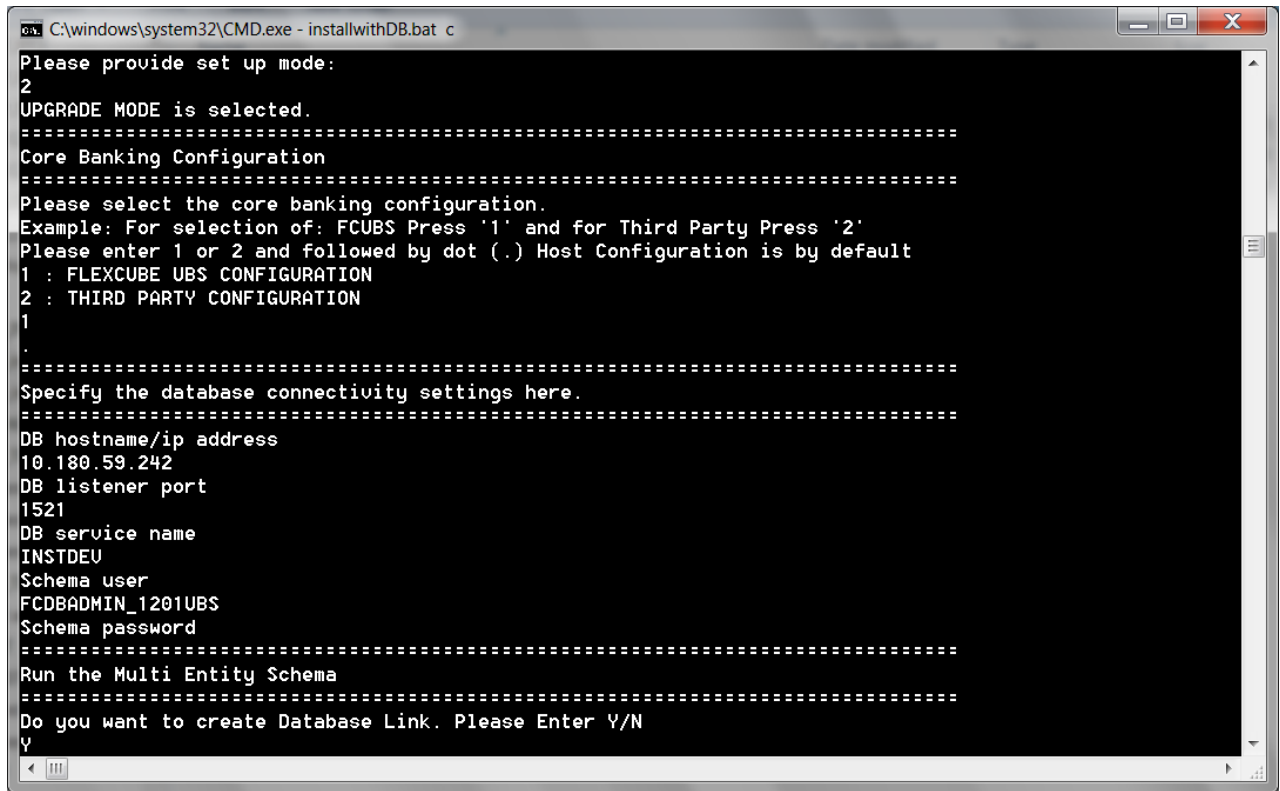
8. Select the core banking option



```
C:\windows\system32\CMD.exe - installwithDB.bat c
Please provide set up mode:
2
UPGRADE MODE is selected.
=====
Core Banking Configuration
=====
Please select the core banking configuration.
Example: For selection of: FCUBS Press '1' and for Third Party Press '2'
Please enter 1 or 2 and followed by dot (.) Host Configuration is by default
1 : FLEXCUBE UBS CONFIGURATION
2 : THIRD PARTY CONFIGURATION
1
.
=====
Specify the database connectivity settings here.
=====
```

**Note:** For installations involving only Third Party System (non-FLEXCUBE), the steps mentioned below are not to be followed, please follow steps from ..Step 11

9. Enter the database server setting same as in GUI Mode settings and press <Enter>.



```
C:\windows\system32\CMD.exe - installwithDB.bat c
Please provide set up mode:
2
UPGRADE MODE is selected.
=====
Core Banking Configuration
=====
Please select the core banking configuration.
Example: For selection of: FCUBS Press '1' and for Third Party Press '2'
Please enter 1 or 2 and followed by dot (.) Host Configuration is by default
1 : FLEXCUBE UBS CONFIGURATION
2 : THIRD PARTY CONFIGURATION
1
.
=====
Specify the database connectivity settings here.
=====
DB hostname/ip address
10.180.59.242
DB listener port
1521
DB service name
INSTDEV
Schema user
FCDBADMIN_1201UBS
Schema password
=====
Run the Multi Entity Schema
=====
Do you want to create Database Link. Please Enter Y/N
Y
```

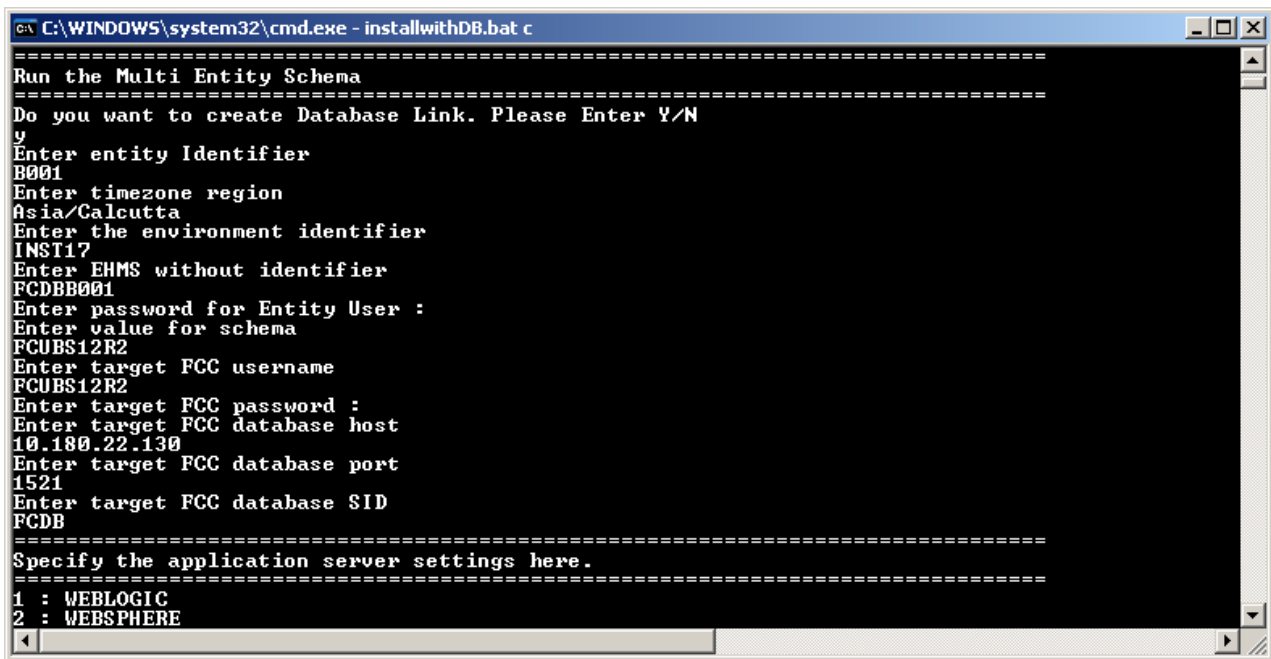
Installer will ask to input JDBC connectivity settings. The required input for the JDBC connectivity settings is same as GUI Mode

10. Selected Entity Schema script will be displayed and Installer will ask to enter Multi Entity Schema settings. The required input for the Multi Entity Schema setting is same as GUI Mode.

This screen will provide two option:-

1. Schema to dblink(different Schema)
2. Dblink to Schema(Schema to Schema)

Note : Selection of Dblink should be same as previously installed version.



```
C:\WINDOWS\system32\cmd.exe - installwithDB.bat c
=====
Run the Multi Entity Schema
=====
Do you want to create Database Link. Please Enter Y/N
y
Enter entity Identifier
B001
Enter timezone region
Asia/Calcutta
Enter the environment identifier
INST17
Enter EHMS without identifier
FCDBB001
Enter password for Entity User :
Enter value for schema
FCUBS12R2
Enter target FCC username
FCUBS12R2
Enter target FCC password :
Enter target FCC database host
10.180.22.130
Enter target FCC database port
1521
Enter target FCC database SID
FCDB
=====
Specify the application server settings here.
=====
1 : WEBLOGIC
2 : WEBSPHERE
```


**Note :** In case of **Third Party Configuration**.

Please Login into SYS user and Give DBA grants to Admin User.

Ex: If Admin user is FCDBADMIN\_1203

Sql> GRANT DBA TO FCDBADMIN\_1203;

11. In case of Upgrade with Third party Configuration or UBS with Third Party Please follow this step.



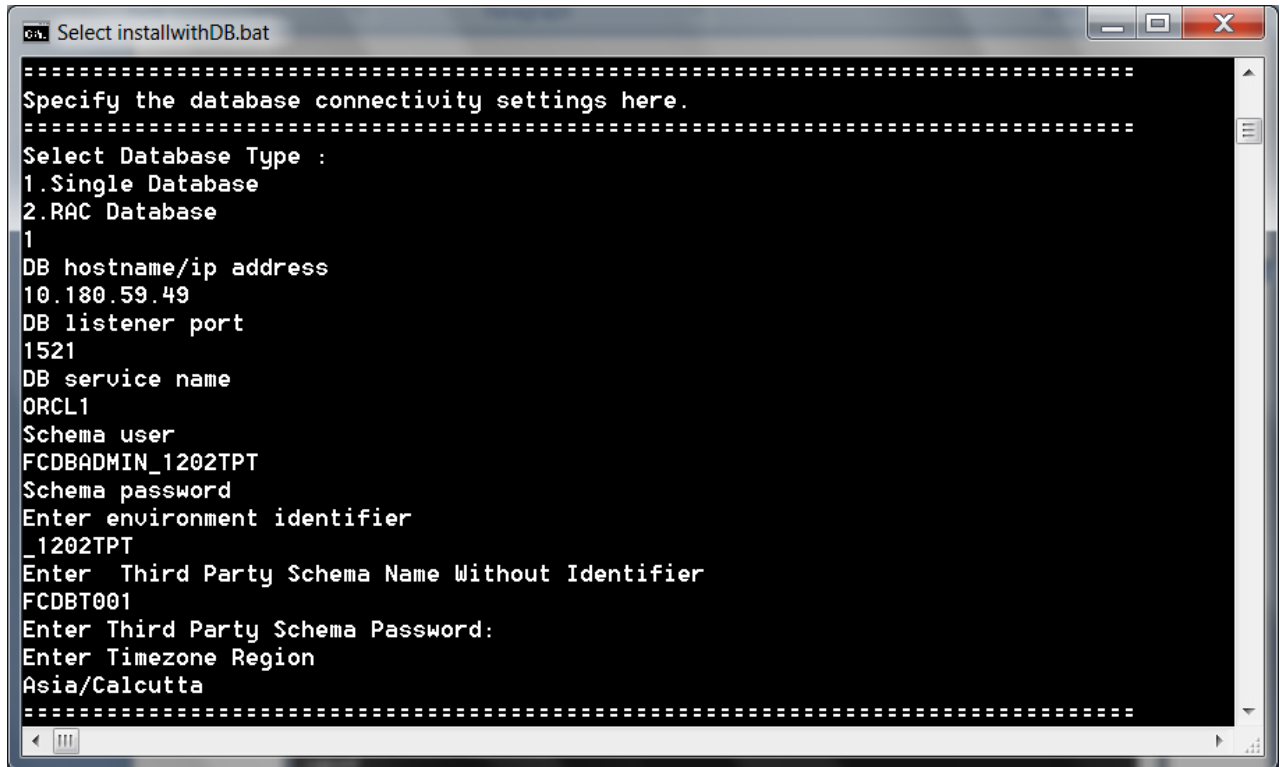
```
=====  
Mode Selection  
=====
```

1 : FULL MODE  
2 : UPGRADE MODE  
3 : LANGUAGE PACK MODE  
4 : PATCH MODE  
Please provide set up mode:  
2  
UPGRADE MODE is selected.

```
=====  
Core Banking Configuration  
=====
```

Please select the core banking configuration.  
Example: For selection of: FCUBS Press '1' and for Third Party Press '2'  
Please enter 1 or 2 and followed by dot (.) Host Configuration is by default  
1 : FLEXCUBE UBS CONFIGURATION  
2 : THIRD PARTY CONFIGURATION  
2  
.  
=====

12. Enter the database server setting same as in GUI Mode settings and press <Enter>.



```
=====  
Specify the database connectivity settings here.  
=====
```

Select Database Type :

1.Single Database  
2.RAC Database

1

DB hostname/ip address  
10.180.59.49

DB listener port  
1521

DB service name  
ORCL1

Schema user  
FCDBADMIN\_1202TPT

Schema password  
Enter environment identifier  
\_1202TPT

Enter Third Party Schema Name Without Identifier  
FCDBT001

Enter Third Party Schema Password:  
Enter Timezone Region  
Asia/Calcutta

```
=====
```



13. Installer will ask Application server details. Enter the code of the application server to be selected and press <Enter>. All the entered details will be shown for verification.

```
C:\windows\system32\cmd.exe - installwithDB.bat C
B001
Enter timezone region
Asia/Calcutta
Enter the environment identifier
DEV10
Enter EHMS without identifier
FCDBB001
Enter password for Entity User :
Enter value for UBS schema
FCUBS121R1
Enter target FCC username
FCUBS121R1
Enter target FCC password :
Enter target FCC database host
10.180.22.130
Enter target FCC database port
1521
Enter target FCC database SID
FCUBS
=====
Specify the application server settings here.
=====
1 : WEBLOGIC
2 : WEBSPHERE
Select App server
1
App provider hostname/ip address
10.180.59.236
App server bootstrap port
7001
```

14. On next, Installer allows the user to create response file. Input for whether the Response file will be created or not is required.

```
C:\windows\system32\CMD.exe - installwithDB.bat c
=====
Specify the application server settings here.
=====
1 : WEBLOGIC
2 : WEBSPHERE
Select App server
1
App provider hostname/ip address
10.180.59.236
App server bootstrap port
7001
=====
Do you want to create Response File ?
If yes, then press (Y) else press (N).
Y
```

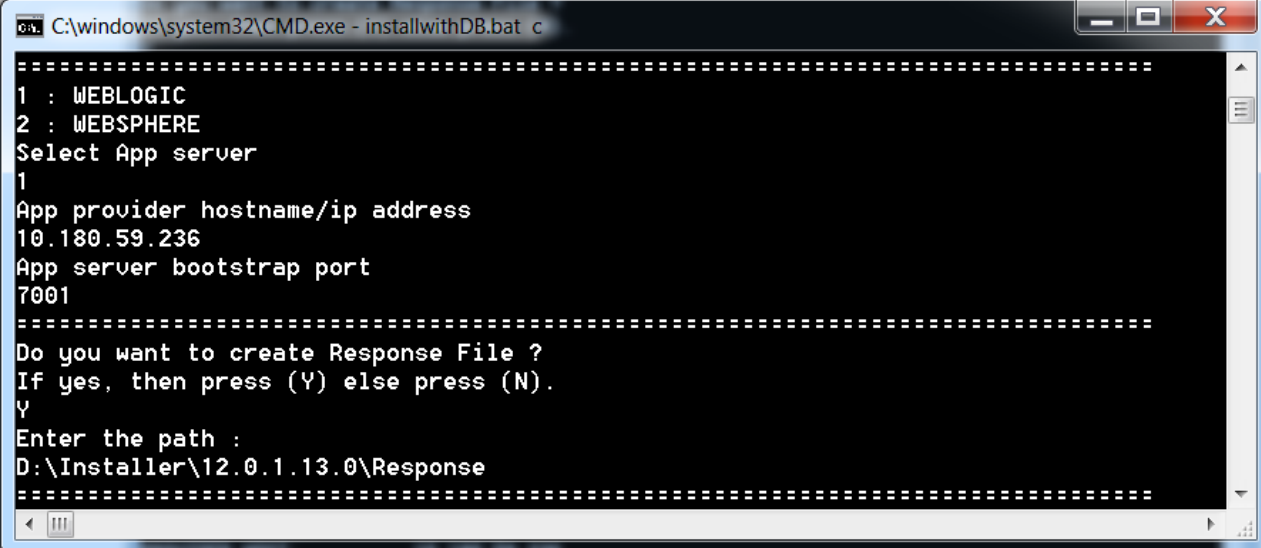
If 'yes' is selected, Give path to create response file.

Please choose the appropriate option and provide the proper path for the response file to be created.

Click <Enter> to proceed.

If 'yes' is selected, Response File will be created on complete installation at given location.

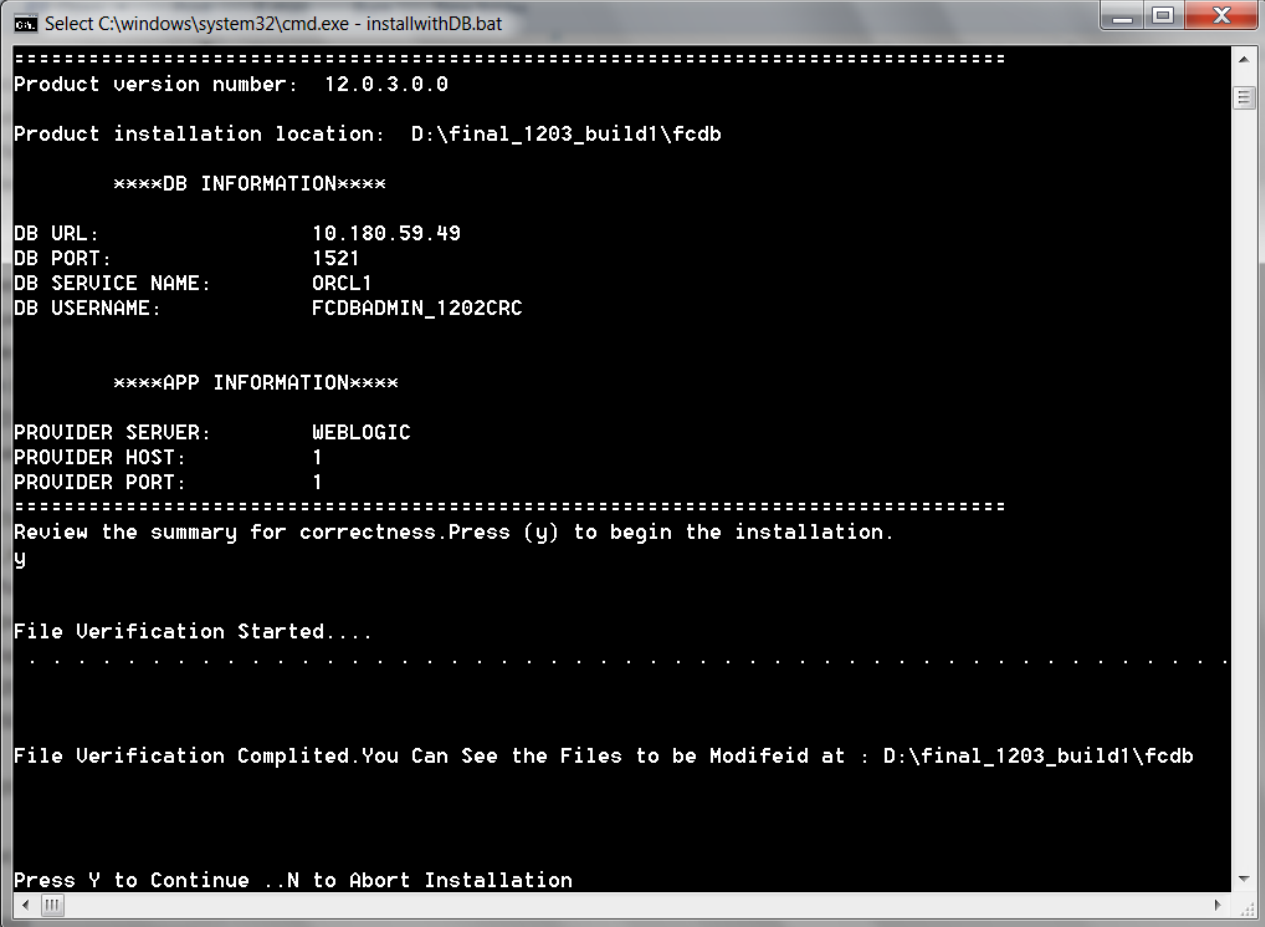
Note: Response file captures all inputs given at time of executing Installer.



```
C:\windows\system32\CMD.exe - installwithDB.bat c
=====
1 : WEBLOGIC
2 : WEBSPHERE
Select App server
1
App provider hostname/ip address
10.180.59.236
App server bootstrap port
7001
=====
Do you want to create Response File ?
If yes, then press (Y) else press (N).
Y
Enter the path :
D:\Installer\12.0.1.13.0\Response
=====
```

15. Review the details and input 'Y'. Press <Enter> to begin installation. If you want to modify the settings please stop the installation and start again.

Press Y to continue and N to stop the installation.



```
Select C:\windows\system32\cmd.exe - installwithDB.bat

=====
Product version number: 12.0.3.0.0

Product installation location: D:\final_1203_build1\fcdb

    ***DB INFORMATION***

DB URL:          10.180.59.49
DB PORT:         1521
DB SERVICE NAME: ORCL1
DB USERNAME:     FCDBADMIN_1202CRC

    ***APP INFORMATION***

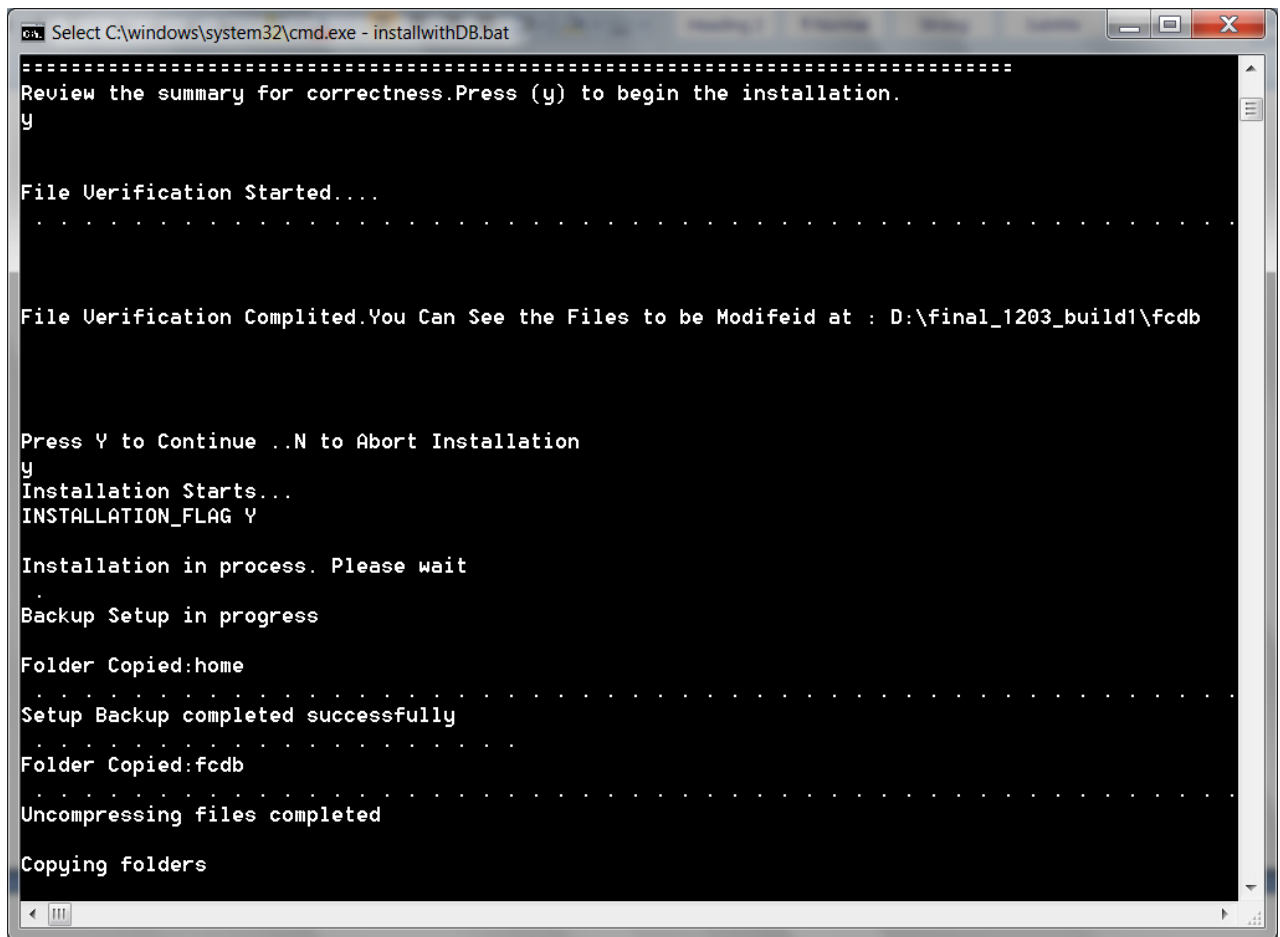
PROVIDER SERVER: WEBLOGIC
PROVIDER HOST:   1
PROVIDER PORT:   1
=====
Review the summary for correctness.Press (y) to begin the installation.
y

File Uerification Started....
. . . . .

File Uerification Complited.You Can See the Files to be Modifeid at : D:\final_1203_build1\fcdb

Press Y to Continue ..N to Abort Installation
```

On pressing 'Y' Installation will start.



```
=====  
Review the summary for correctness.Press (y) to begin the installation.  
y  
  
File Verification Started....  
.....  
  
File Verification Complited.You Can See the Files to be Modifeid at : D:\final_1203_build1\fcdb  
  
Press Y to Continue ..N to Abort Installation  
y  
Installation Starts...  
INSTALLATION_FLAG Y  
  
Installation in process. Please wait  
.  
Backup Setup in progress  
  
Folder Copied:home  
.....  
Setup Backup completed successfully  
.....  
Folder Copied:fcdb  
.....  
Uncompressing files completed  
  
Copying folders
```

## 6. Semi – Silent and Silent FCDB Installer

There are many situations where the same installation might need to be repeated on many machines. Therefore feeding the same inputs on each of the machines after installing on one machine will be a tedious and time consuming job. To avoid the redundant steps of feeding the same inputs every time on all the machines, the FCDB Installer can be run in a mode that it takes inputs from the response file generated in the main installation. This running mode is called either Semi-Silent mode or Silent mode. When the user wants to see the input parameters fed in the main installation, he/she can run the installer in Semi-Silent mode where a summary of the input parameters are shown on the screen. To see all the input parameters in the Semi-Silent mode, the user can check the response file, the path and name of which is displayed on the screen. If it is not required to see the input parameters, the user can run the Installer in silent mode. In this mode, there are no user input parameters shown on the screen. Both Semi-silent and Silent installers can be run in both GUI as well as command mode.

The following table lists the parameters to be used to run the installer in Semi-Silent or Silent mode.

#### a. Steps to be executed before running the Semi-Silent/Silent Installer

- 1) The response file generated while running the FCBD installer on the first machine at the location specified for the generation of response file (step 16 of swing input mode and step 21 of command input mode of previous section) needs to be copied to the machine where you are going to run the Semi-Silent/Silent Installer.
- 2) There are some changes required in <Installer directory>/InstallConfig/buildConfig.xml before running the FCDB Installer in Semi-Silent/Silent mode. The value in INPUTEXCELPATH tag should point to the location where the response file from the first installation has been copied as mentioned in the previous step. An example is shown below.

```
<INPUTEXCELPATH>C:\FCDB_INSTALLER\UPGRADE_MODE_INSTALLER_INPUTS_TPT.xml</INPUTEXCELPATH>
```

- 3) The BASE\_LOC tag of the response file copied as mentioned in the first step should point to the directory where the FCDB setup is located. An example is shown below.

```
<BASE_LOC Field="Select the product installation location">C:\FCDB</BASE_LOC>
```

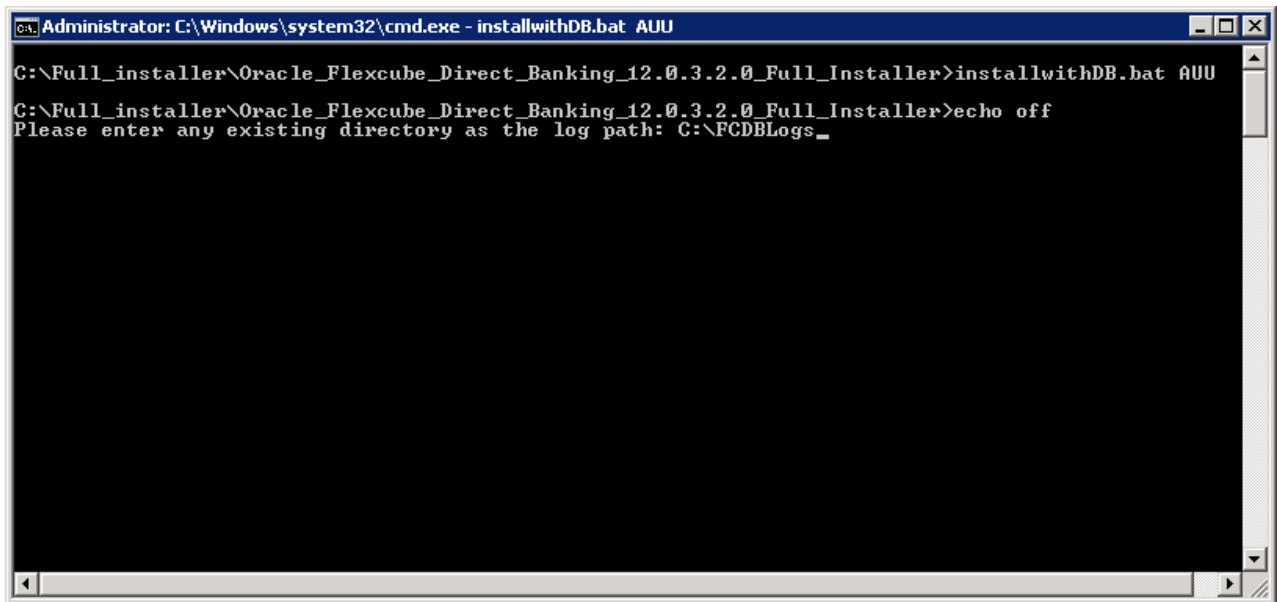
- 4) All the other tags which might need a change should also point to appropriate value. For e.g. it might be decided that the port number of the application servers should run on another server, in which case, the APP\_PORT tag value should be changed to make it different from application port numbers running on other port numbers.

#### b. Semi-Silent Installer in GUI mode

To run the Semi-Silent Installer in GUI mode, the following command needs to be run

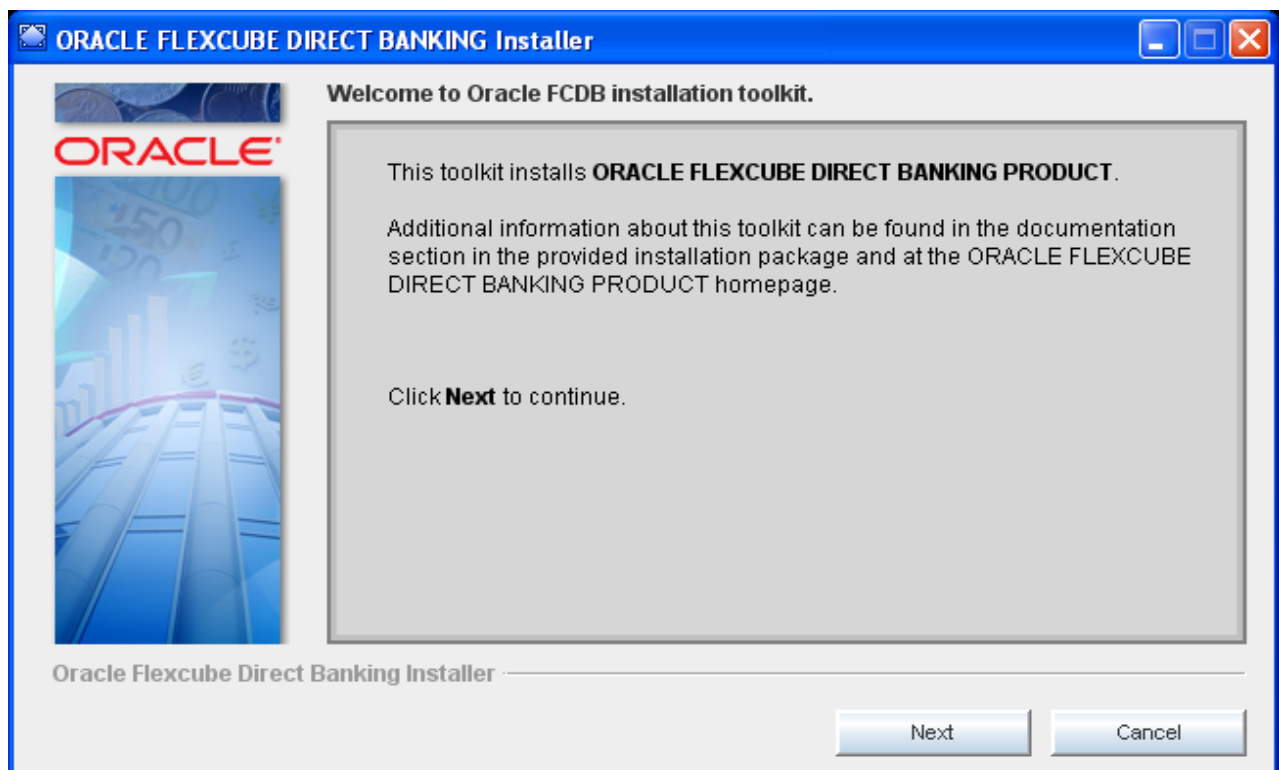
OS	Command query
Windows	<Installer CD>/installwithDB.bat <b>AUU</b>
Unix	sh installwithDB.sh <b>AUU</b>

The Semi-Silent installer will then ask for the path where the log files needs to be created.

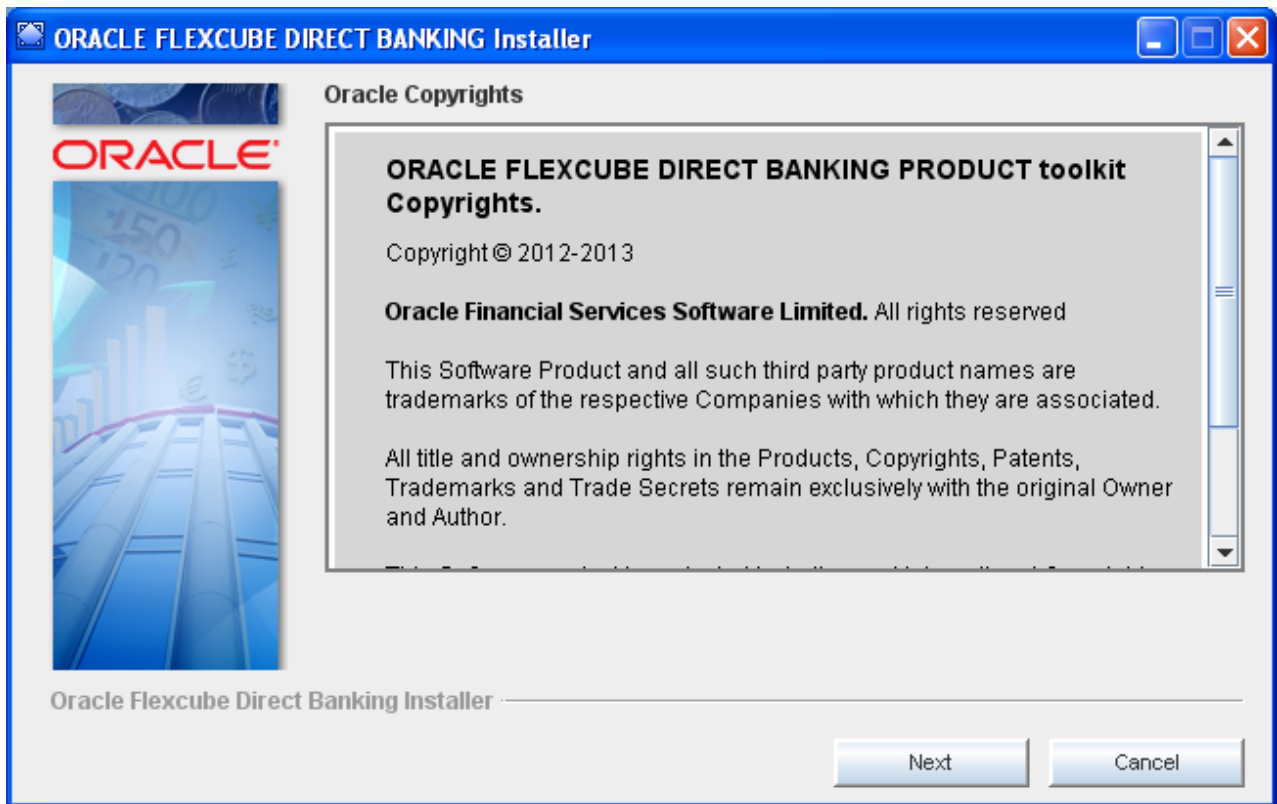


```
C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>installwithDB.bat AUU
C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>echo off
Please enter any existing directory as the log path: C:\FCDBLogs_
```

1. After entering the log path, the welcome screen of the FCDB installer appears as shown below.

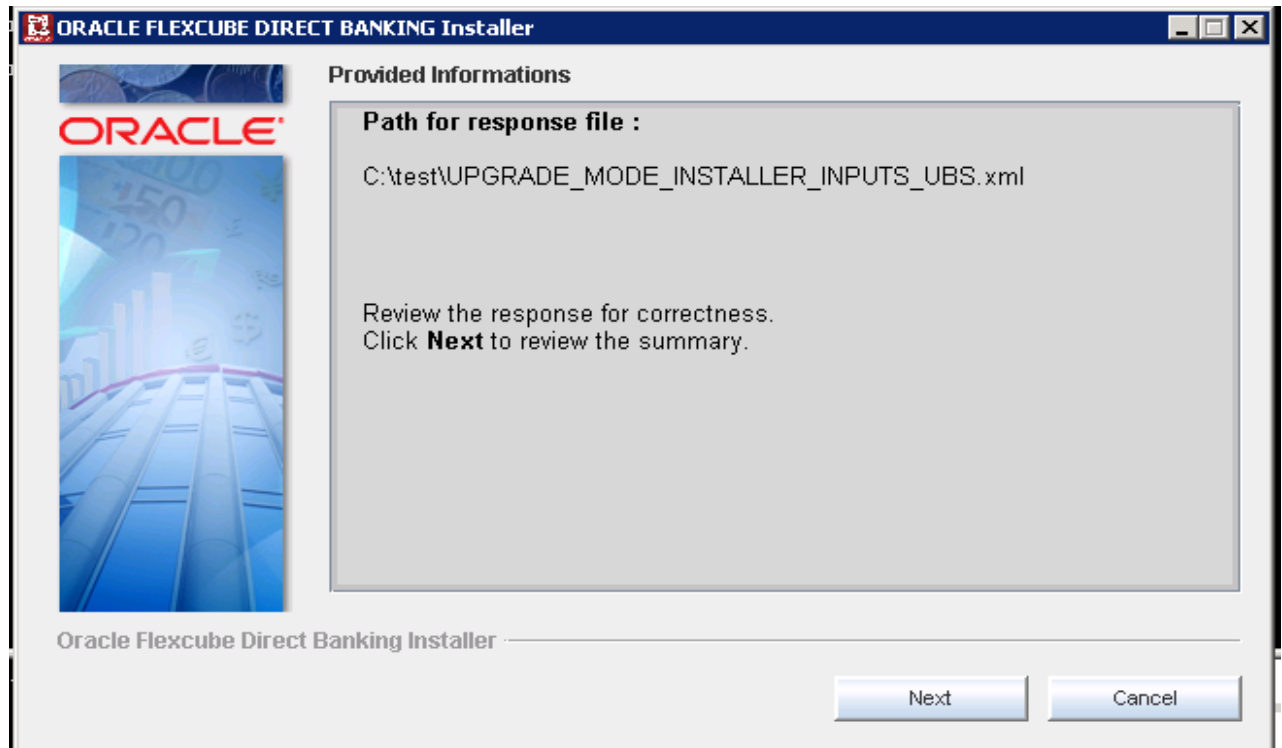


2. On pressing the next button the copyrights screen is displayed

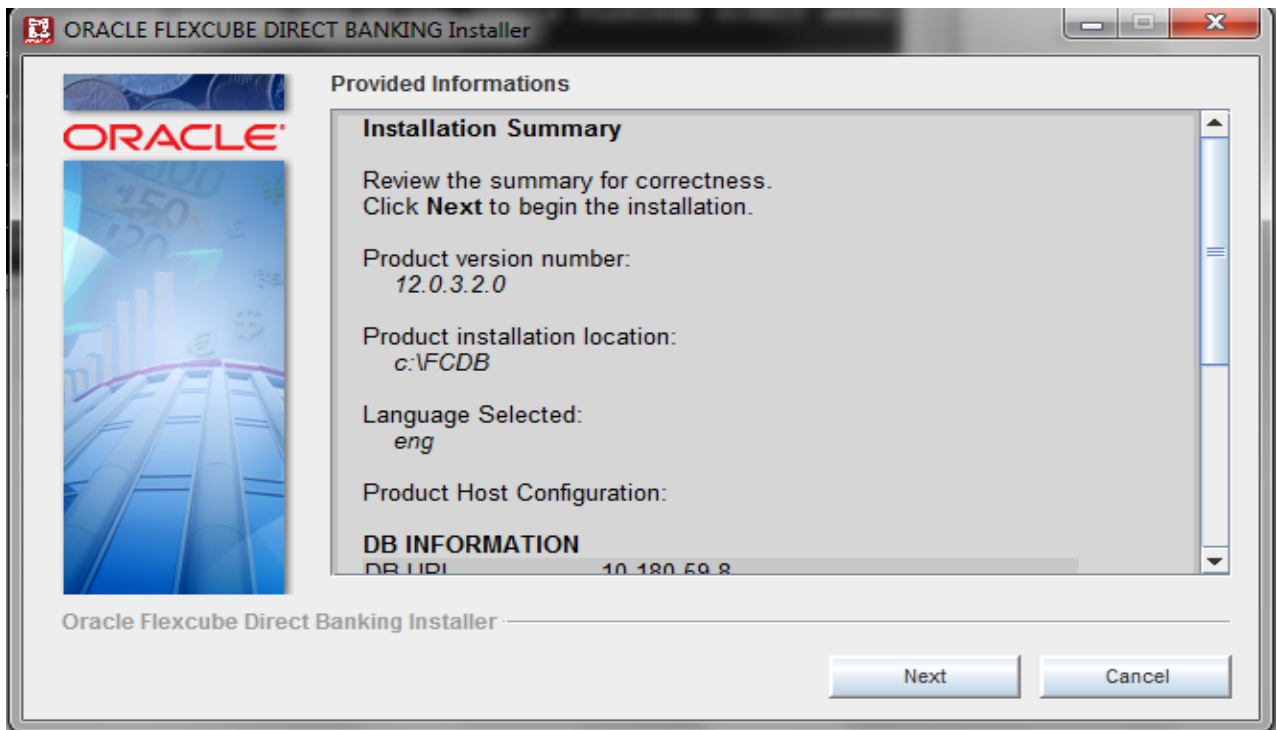


3. On pressing next button the path where the installer picks the response file from is displayed. This is the location mentioned in the INPUTEXCELPATH of

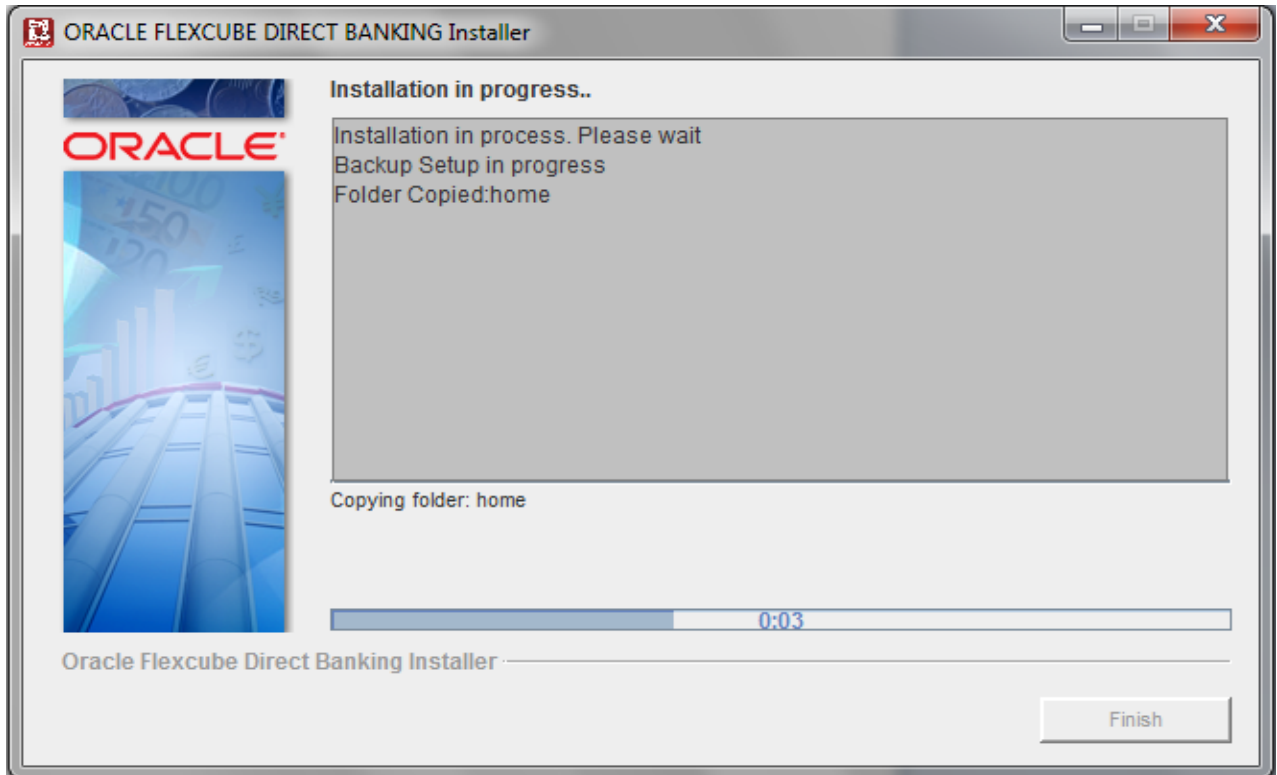
<Installer directory>/InstallConfig/buildConfig.xml.



4. On pressing the next button, the parameters mentioned in the response file is shown



5. On pressing the installation starts and the progress of the FCDB Installation is shown





6. After the Installation completes, the finish button gets enabled. Pressing the Finish button, the screen disappears to indicate that the installation has finished and there are no more steps left.

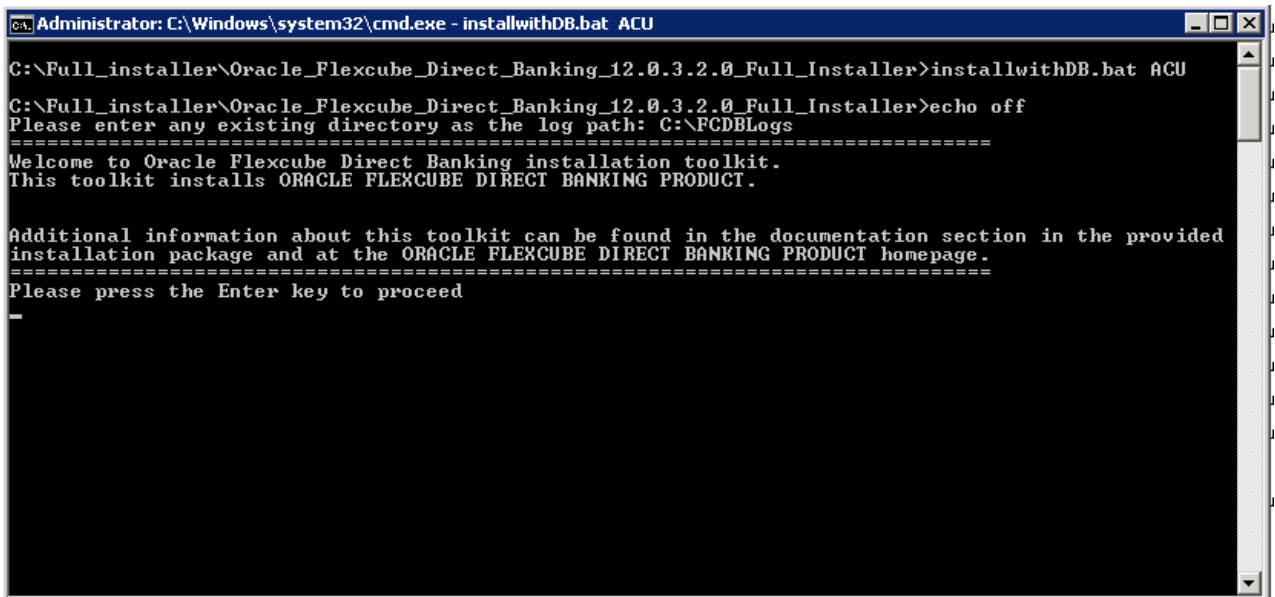
### c. Semi-Silent Installer in Command Input mode

To run the Semi-Silent Installer in command input mode, the following command needs to be run

OS	Command query
Windows	<Installer CD>/installwithDB.bat <b>ACU</b>
Unix	sh installwithDB.sh <b>ACU</b>

The Semi-Silent installer will then ask for the path where the log files needs to be created.

1. After entering the log path, the welcome message will be shown.



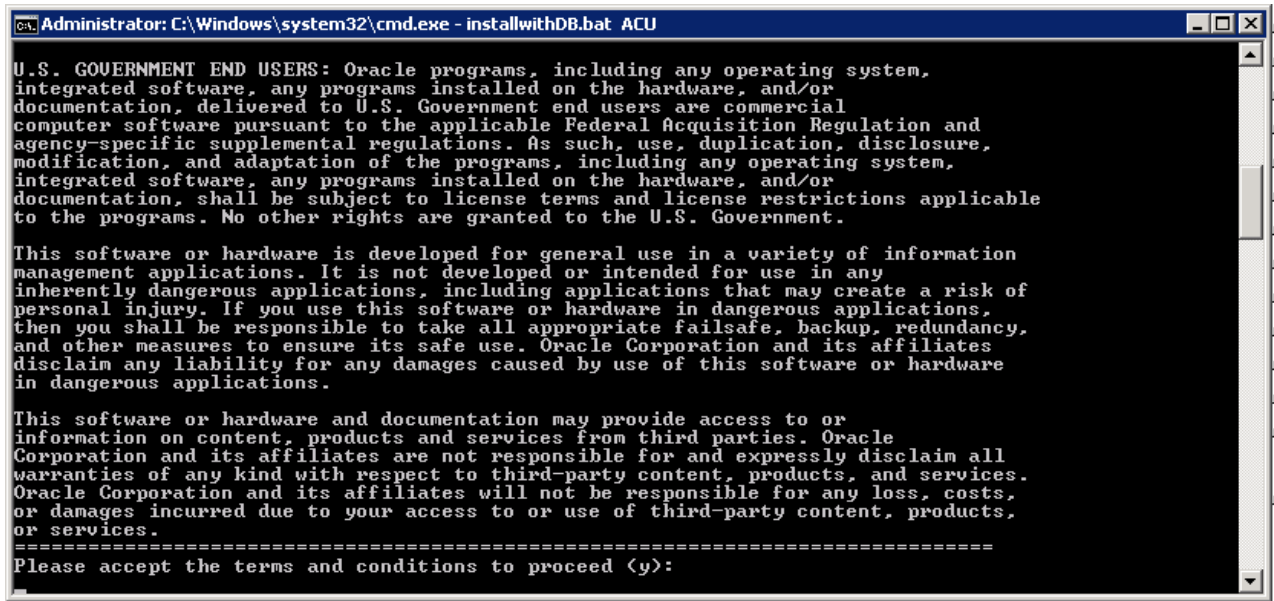
```
Administrator: C:\Windows\system32\cmd.exe - installwithDB.bat ACU

C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>installwithDB.bat ACU

C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>echo off
Please enter any existing directory as the log path: C:\FCDBLogs
=====
Welcome to Oracle Flexcube Direct Banking installation toolkit.
This toolkit installs ORACLE FLEXCUBE DIRECT BANKING PRODUCT.

Additional information about this toolkit can be found in the documentation section in the provided
installation package and at the ORACLE FLEXCUBE DIRECT BANKING PRODUCT homepage.
=====
Please press the Enter key to proceed
_
```

2. On pressing the enter key the copyrights message is displayed



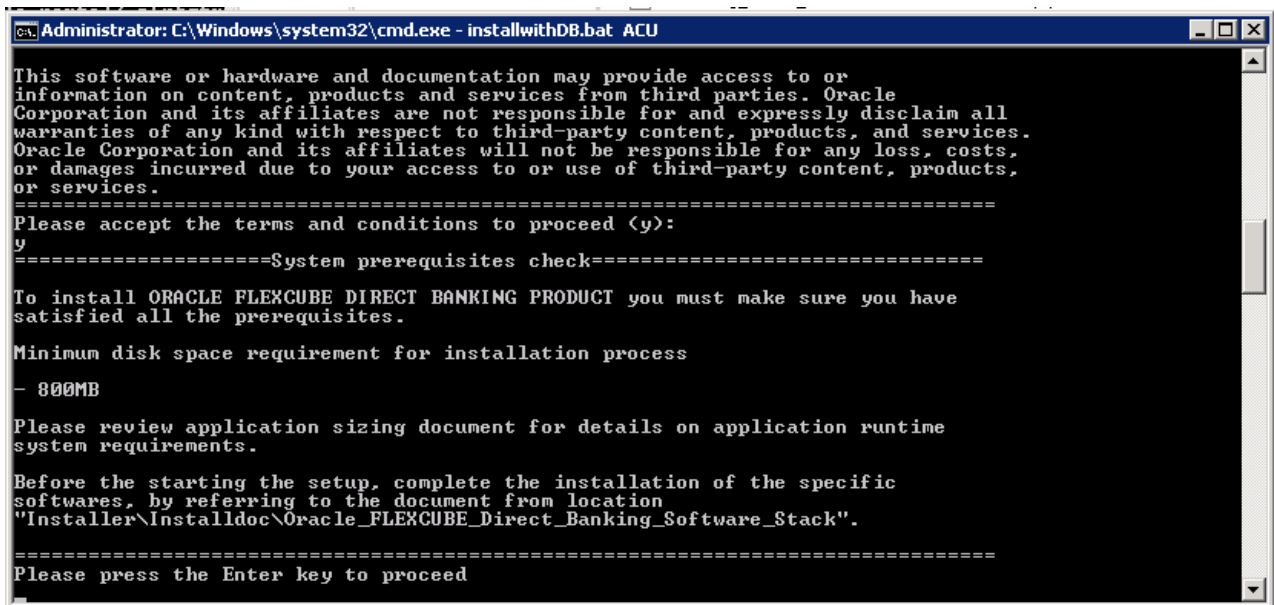
```
Administrator: C:\Windows\system32\cmd.exe - installwithDB.bat ACU

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system,
integrated software, any programs installed on the hardware, and/or
documentation, delivered to U.S. Government end users are commercial
computer software pursuant to the applicable Federal Acquisition Regulation and
agency-specific supplemental regulations. As such, use, duplication, disclosure,
modification, and adaptation of the programs, including any operating system,
integrated software, any programs installed on the hardware, and/or
documentation, shall be subject to license terms and license restrictions applicable
to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information
management applications. It is not developed or intended for use in any
inherently dangerous applications, including applications that may create a risk of
personal injury. If you use this software or hardware in dangerous applications,
then you shall be responsible to take all appropriate failsafe, backup, redundancy,
and other measures to ensure its safe use. Oracle Corporation and its affiliates
disclaim any liability for any damages caused by use of this software or hardware
in dangerous applications.

This software or hardware and documentation may provide access to or
information on content, products and services from third parties. Oracle
Corporation and its affiliates are not responsible for and expressly disclaim all
warranties of any kind with respect to third-party content, products, and services.
Oracle Corporation and its affiliates will not be responsible for any loss, costs,
or damages incurred due to your access to or use of third-party content, products,
or services.
=====
Please accept the terms and conditions to proceed <y>:
```

3. On pressing "y" key to accept the terms and conditions and pressing enter, the system prerequisites are shown.



```
Administrator: C:\Windows\system32\cmd.exe - installwithDB.bat ACU

This software or hardware and documentation may provide access to or
information on content, products and services from third parties. Oracle
Corporation and its affiliates are not responsible for and expressly disclaim all
warranties of any kind with respect to third-party content, products, and services.
Oracle Corporation and its affiliates will not be responsible for any loss, costs,
or damages incurred due to your access to or use of third-party content, products,
or services.
=====
Please accept the terms and conditions to proceed <y>:
y
=====System prerequisites check=====

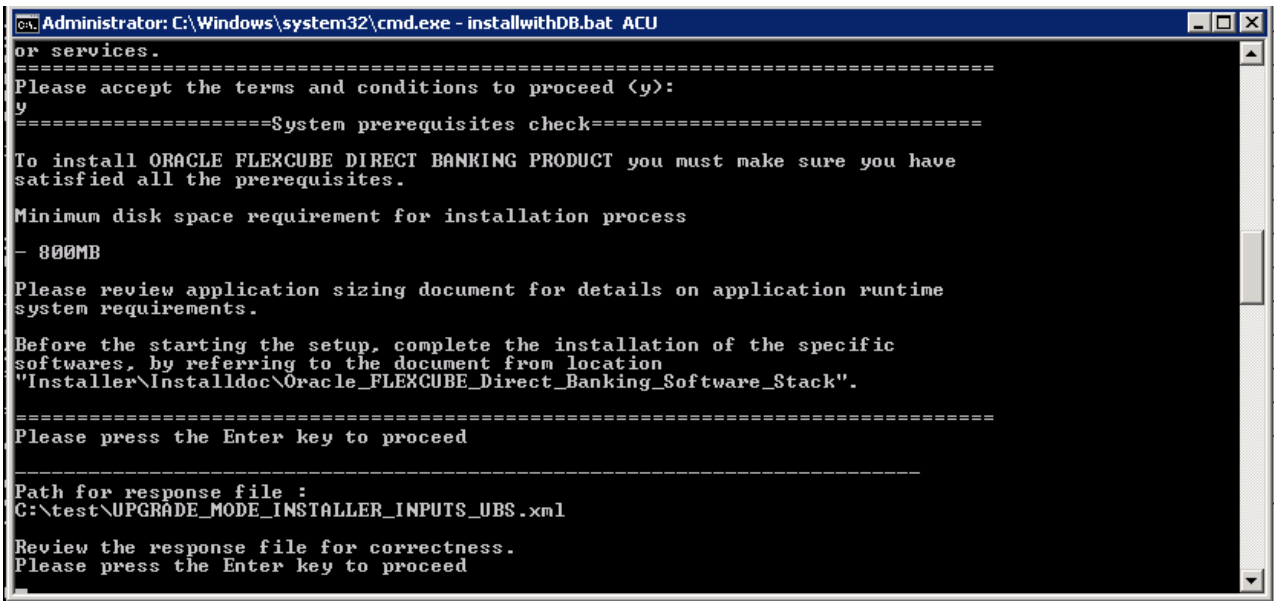
To install ORACLE FLEXCUBE DIRECT BANKING PRODUCT you must make sure you have
satisfied all the prerequisites.

Minimum disk space requirement for installation process
- 800MB

Please review application sizing document for details on application runtime
system requirements.

Before the starting the setup, complete the installation of the specific
softwares, by referring to the document from location
"Installer\Installdoc\Oracle_FLEXCUBE_Direct_Banking_Software_Stack".
=====
Please press the Enter key to proceed
```

4. On pressing enter key the path of the response file is shown.



```
Administrator: C:\Windows\system32\cmd.exe - installwithDB.bat ACU
or services.
=====
Please accept the terms and conditions to proceed <y>:
y
=====System prerequisites check=====
To install ORACLE FLEXCUBE DIRECT BANKING PRODUCT you must make sure you have
satisfied all the prerequisites.

Minimum disk space requirement for installation process
- 800MB

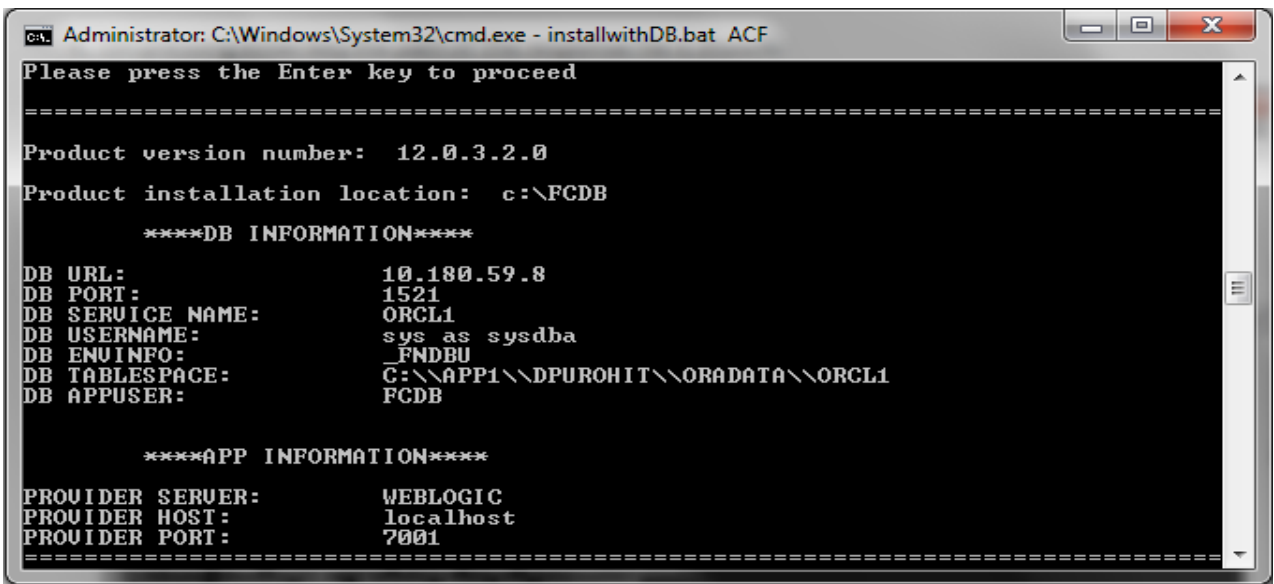
Please review application sizing document for details on application runtime
system requirements.

Before the starting the setup, complete the installation of the specific
softwares, by referring to the document from location
"Installer\Installdoc\Oracle_FLEXCUBE_Direct_Banking_Software_Stack".
=====
Please press the Enter key to proceed

=====
Path for response file :
C:\test\UPGRADE_MODE_INSTALLER_INPUTS_UBS.xml

Review the response file for correctness.
Please press the Enter key to proceed
```

5. On pressing enter key, the summary of the parameters in the response file is shown



```
Administrator: C:\Windows\System32\cmd.exe - installwithDB.bat ACF
Please press the Enter key to proceed

=====
Product version number: 12.0.3.2.0
Product installation location: c:\FCDB

****DB INFORMATION****
DB URL: 10.180.59.8
DB PORT: 1521
DB SERVICE NAME: ORCL1
DB USERNAME: sys as sysdba
DB ENVINFO: _FNDBU
DB TABLESPACE: C:\APP1\DPUROHIT\ORADATA\ORCL1
DB APPUSER: FCDB

****APP INFORMATION****
PROVIDER SERVER: WEBLOGIC
PROVIDER HOST: localhost
PROVIDER PORT: 7001
=====
```

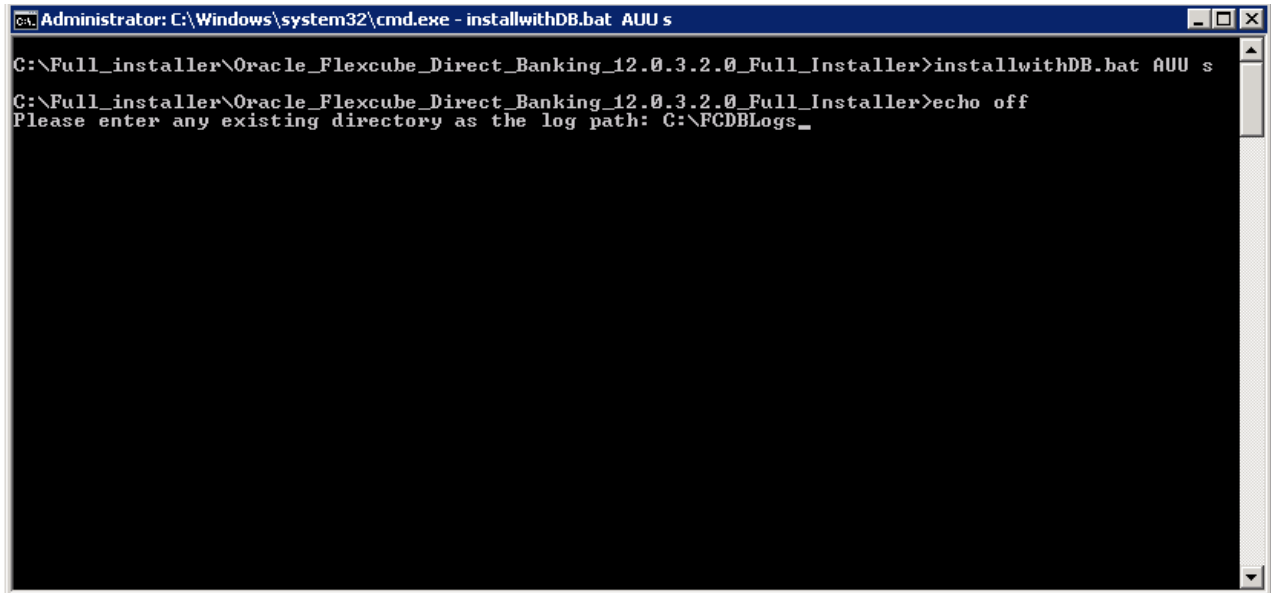
6. On pressing “y” key and then enter, the installation starts. The progress of the installation is shown by displaying dots at frequent intervals of time.

**d. Silent Installer in GUI mode**

To run the Silent Installer in GUI mode, the following command needs to be run

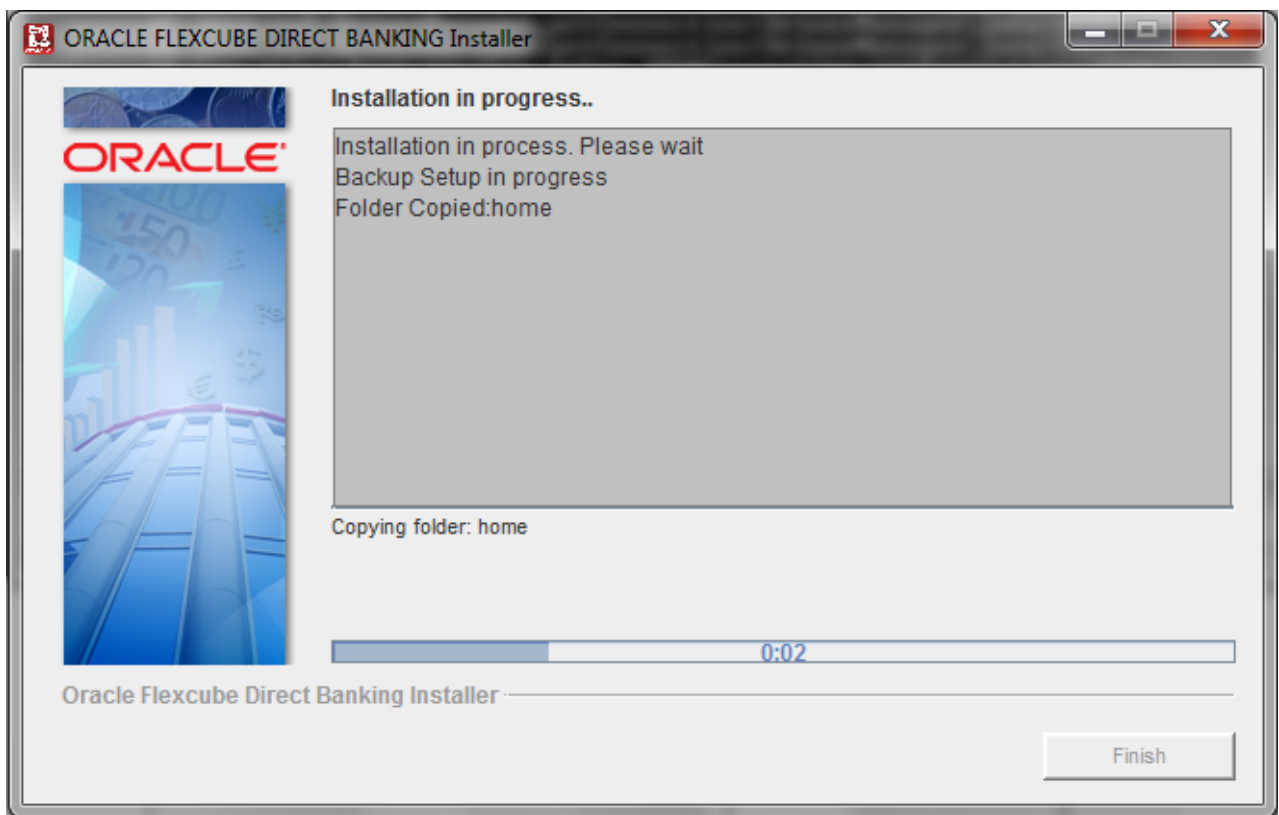
OS	Command query
Windows	<Installer CD>/installwithDB.bat <b>AUU s</b>
Unix	sh installwithDB.sh <b>AUU s</b>

The Silent installer will then ask for the path where the log files needs to be created.



```
Administrator: C:\Windows\system32\cmd.exe - installwithDB.bat AUU s
C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>installwithDB.bat AUU s
C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>echo off
Please enter any existing directory as the log path: C:\FCDBLogs_
```

After entering the log path the installer displays a screen showing the progress of the installation.



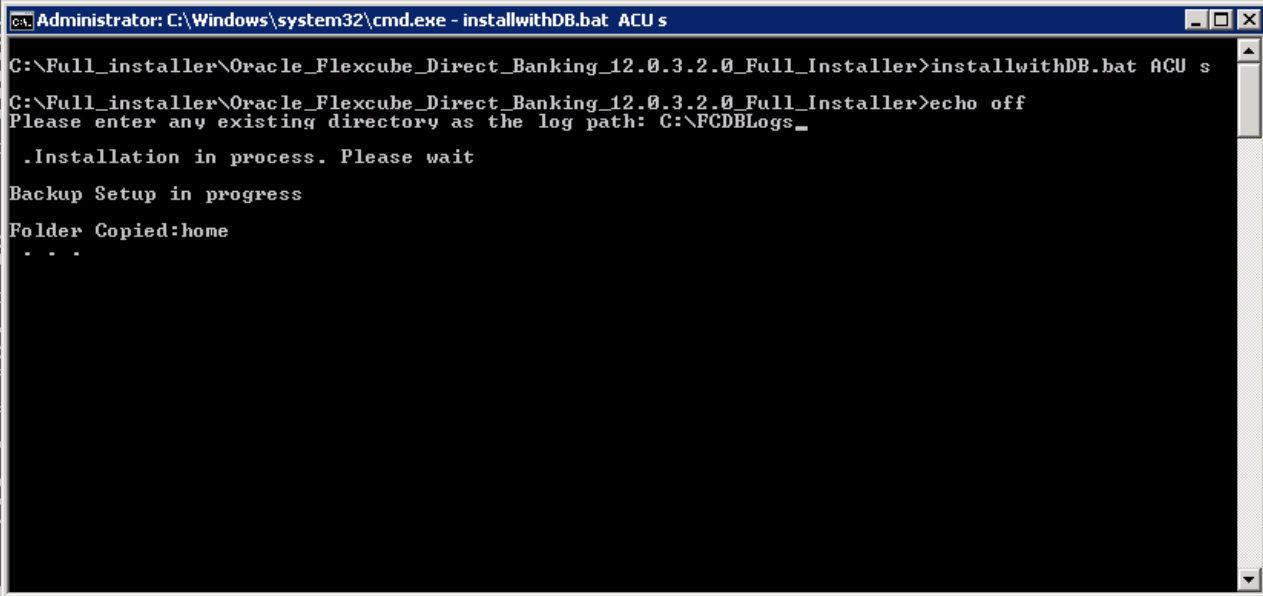
After the Installation completes, the finish button gets enabled. Pressing the Finish button, the screen disappears to indicate that the installation has finished and there are no more steps left.

#### e. Silent Installer in Command Input mode

To run the Silent Installer in GUI mode, the following command needs to be run

OS	Command query
Windows	<Installer CD>/installwithDB.bat <b>ACU s</b>
Unix	sh installwithDB.sh <b>ACU s</b>

The Silent installer will then ask for the path where the log files needs to be created. After entering the log path the installer starts installation and shows progress of installation by displaying dots at frequent intervals of time.



```
Administrator: C:\Windows\system32\cmd.exe - installwithDB.bat ACU s
C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>installwithDB.bat ACU s
C:\Full_installer\Oracle_Flexcube_Direct_Banking_12.0.3.2.0_Full_Installer>echo off
Please enter any existing directory as the log path: C:\FCDBLogs_
.Installation in process. Please wait
Backup Setup in progress
Folder Copied:home
. . .
```

**NOTE:** The Silent installer does not show the copy right screen in GUI mode. Neither does it show the copy right message in Command Input mode.

## 7. Conclusion and Next Steps

A successful installation FCDB product through Installer can be confirmed through following steps.

Review the log file specified during installation, after completion.

Review the created/updated folders as per the given folder matrix. Details of some folders is as follows

Folder name	Description
<FCDB BASE DIR>/documents	Installation documents.
<FCDB BASE DIR>/system/home	Application home folder for properties.
<FCDB BASE DIR>/deploy	Application deployable location.
<FCDB BASE DIR> /system/build/extclasses	External classes' location.

Login to the DB using the details you entered during installation. Please refer “Oracle FLEXCUBE Direct Banking Database Setup” for additional information on the Database Users and Database Objects.

Properties file needs to be reviewed as per the document “Oracle FLEXCUBE Direct Banking Parameter Sheet” and the required user dependant properties need to be updated. Location of the property files can be found in the “Help” sheet in the same document.

After verification of above steps it can be concluded that FCDB is installed successfully.

**NOTE:** On completion of setup using installer, external host related entities are required to be installed at appropriate location as per the installation documentation provided by the host systems. For creation of multi entity Database setup please refer “Oracle FLEXCUBE Direct Banking Database Setup”.

For the appropriate application server setup refer to the document provided within the reference document section for deployments and other Application server management details.