

Setting up Installer  
Oracle FLEXCUBE Universal Banking  
Release 12.4.0.0.0  
[May] [2017]



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# 1. Setting up Oracle FLEXCUBE Installer

## 1.1 Introduction

Before installing Oracle FLEXCUBE, you need to set up Oracle FLEXCUBE Installer on the server. This document explains the methods of setting up the installer.

The Oracle FLEXCUBE Installer picks up the source files from the Source Directory and builds the enterprise archive file. The enterprise archive file is then deployed on the Application Server using the Application Server admin console.

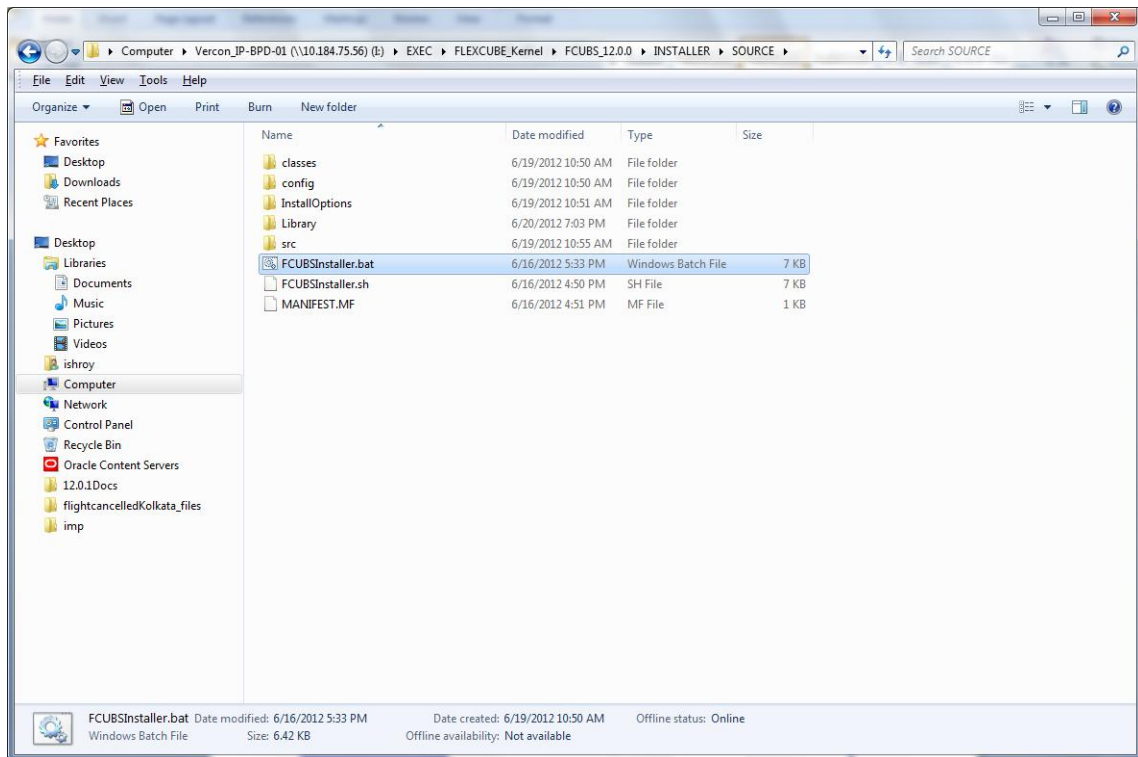
## 1.2 Scope of Installer

<b>Building Application</b>			<b>Mandatory installer components</b>
	Application building describes the process of creating property file with the required plug-ins and corresponding plug-in related properties, It also explains the process of building an application.		JDK Path
<b>Deploying Application</b>	Application deployment will create the resources in the selected application server and deploy the selected application in the application server		JDK PATH Application sever home
	<b>WEBLOGIC</b>	Deploying application in weblogic will create the resources required for deployment of an application in the weblogic server and deploy the selected application in the weblogic.	
	<b>WEBSPHERE</b>	Deploying application in websphere will deploy the selected application in websphere.	
<b>Database</b>	This section describes the basic instructions for setting up the database, it explains the steps for Preparing schema from Baseline, compiling objects, loading static data setup and it also explains the step by step instructions for running Basic setup. It also explains the steps for Preparing schema from Baseline and loading data from dump and also		JDK path  Oracle Home

	explains the instructions for compiling objects and loading static data and imp dump	
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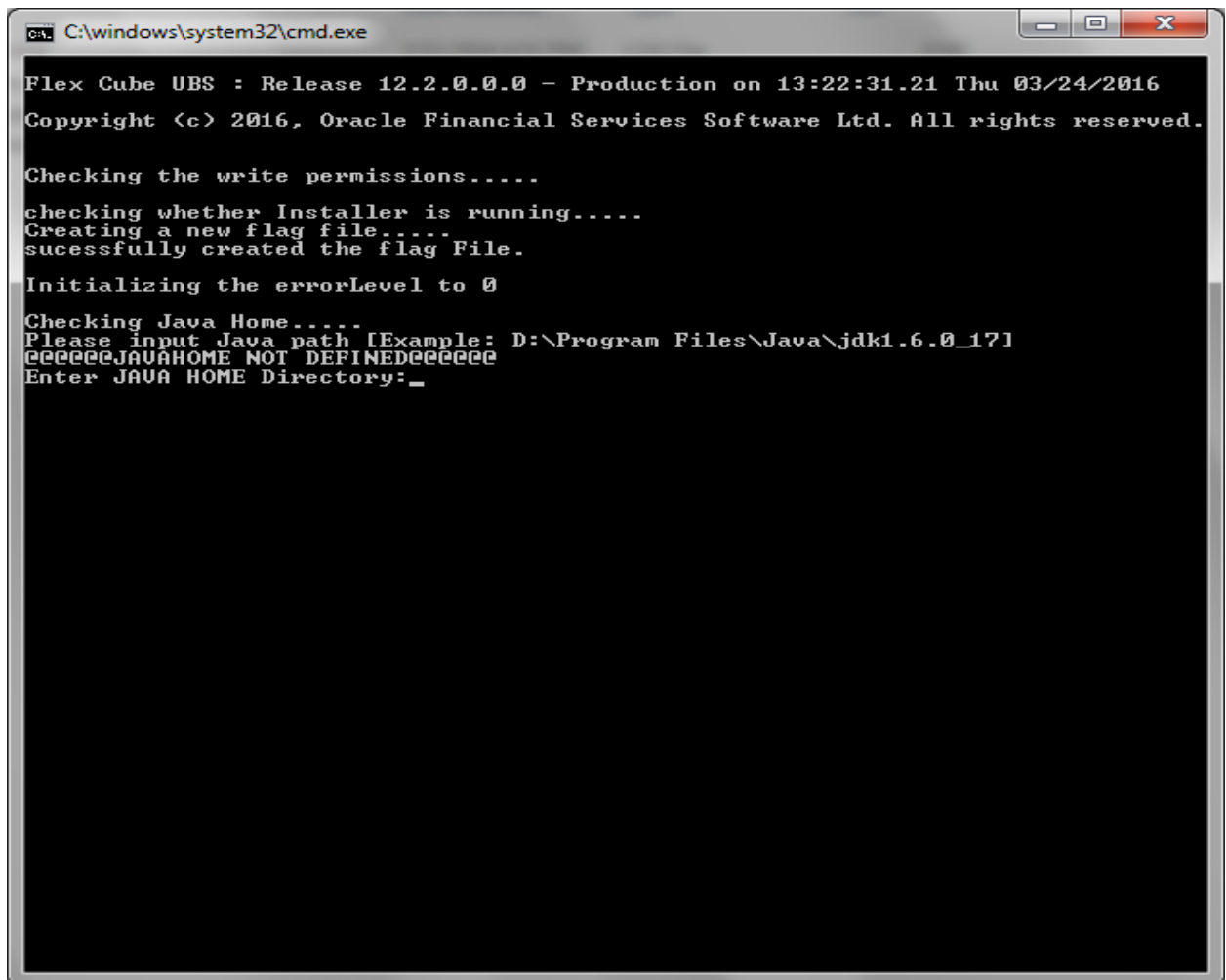
## 1.3 Running Oracle FLEXCUBE Installer on Windows

Source folder in the local system appears as below:



Follow the steps given below to run the installer in Windows:

1. Invoke the installer by double-clicking 'FCUBSInstaller.bat' from the installer source folder.
2. You get a prompt to enter the Java Home Path. Enter the Java Home Path and press 'Enter' key. This is a mandatory field and the value entered is validated.



```
C:\windows\system32\cmd.exe

Flex Cube UBS : Release 12.2.0.0.0 - Production on 13:22:31.21 Thu 03/24/2016
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.
Initializing the errorLevel to 0
Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
#####JAVAHOME NOT DEFINED#####
Enter JAVA HOME Directory: _
```

3. You get a prompt to input Application Server Home Path. Enter the Application Server Home Path and press 'Enter' key. This is an optional field and the value entered is not validated.

```
C:\windows\system32\cmd.exe

Flex Cube UBS : Release 12.2.0.0.0 - Production on 13:22:31.21 Thu 03/24/2016
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.

Initializing the errorLevel to 0

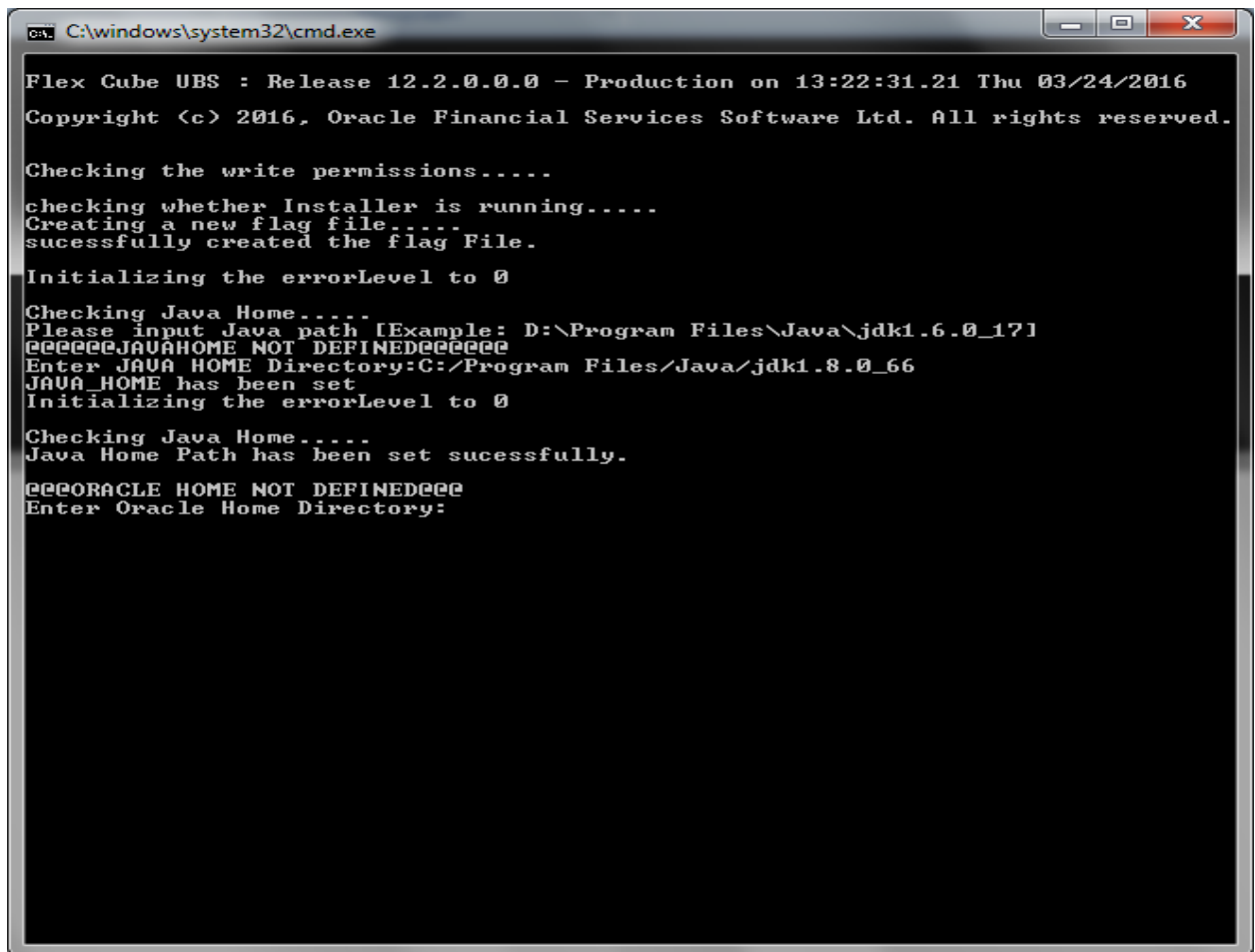
Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
#####JAVAHOME NOT DEFINED#####
Enter JAVA HOME Directory:C:/Program Files/Java/jdk1.8.0_66
JAVA_HOME has been set
Initializing the errorLevel to 0

Checking Java Home.....
Java Home Path has been set sucessfully.

#####ORACLE HOME NOT DEFINED#####
Enter Oracle Home Directory:D:/app/client/shrtyagi/product/12.1.0/client_1
Oracle Home set
Oracle Home set sucessfully
Clearing the compiled files.....
Clearing the jar file.
Clearing the compiled classes files.
Jar to be copied from D:/app/client/shrtyagi/product/12.1.0/client_1\jdbc\lib\oj
dbc6.jar
Copying jars into the Library...
1 file(s) copied.

Checking logs Folder.....
--Current Folder--
--avast--
this InstallationShipment "SOFT"
Inside Checking APPSERVER HOME.....
appserverhome
#####APPSERVER HOME NOT DEFINED#####
Enter APPSERVER HOME Directory:
```

4. You get a prompt to input ORACLE Home Path. Enter the ORACLE Home Path and press 'Enter' key. This is an optional field and the value entered is not validated.



```
C:\windows\system32\cmd.exe

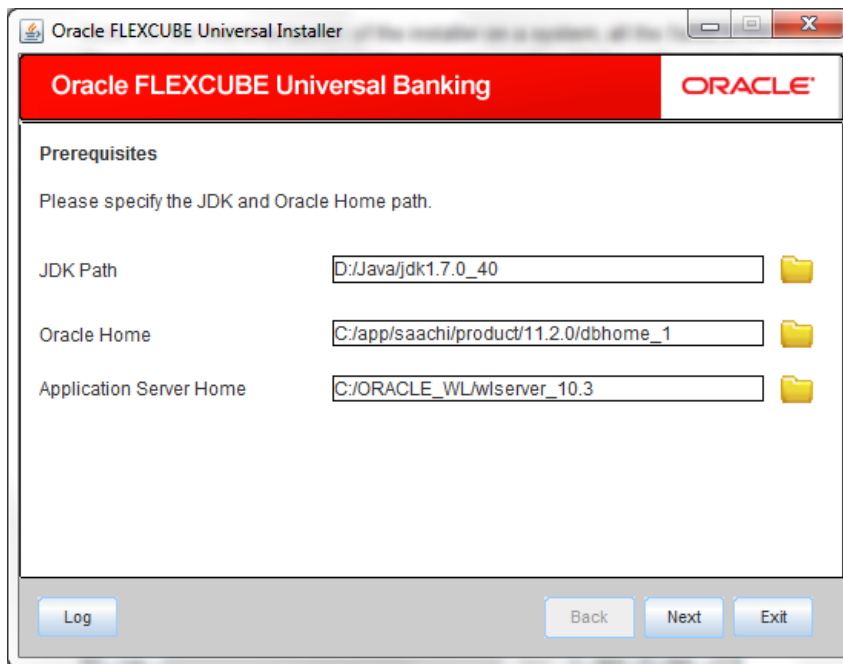
Flex Cube UBS : Release 12.2.0.0.0 - Production on 13:22:31.21 Thu 03/24/2016
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

Checking the write permissions.....
checking whether Installer is running.....
Creating a new flag file.....
sucessfully created the flag File.
Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
#####JAVAHOME NOT DEFINED#####
Enter JAVA HOME Directory:C:/Program Files/Java/jdk1.8.0_66
JAVA_HOME has been set
Initializing the errorLevel to 0

Checking Java Home.....
Java Home Path has been set sucessfully.
#####ORACLE HOME NOT DEFINED###
Enter Oracle Home Directory:
```

5. The INSTALLER Welcome screen is displayed.

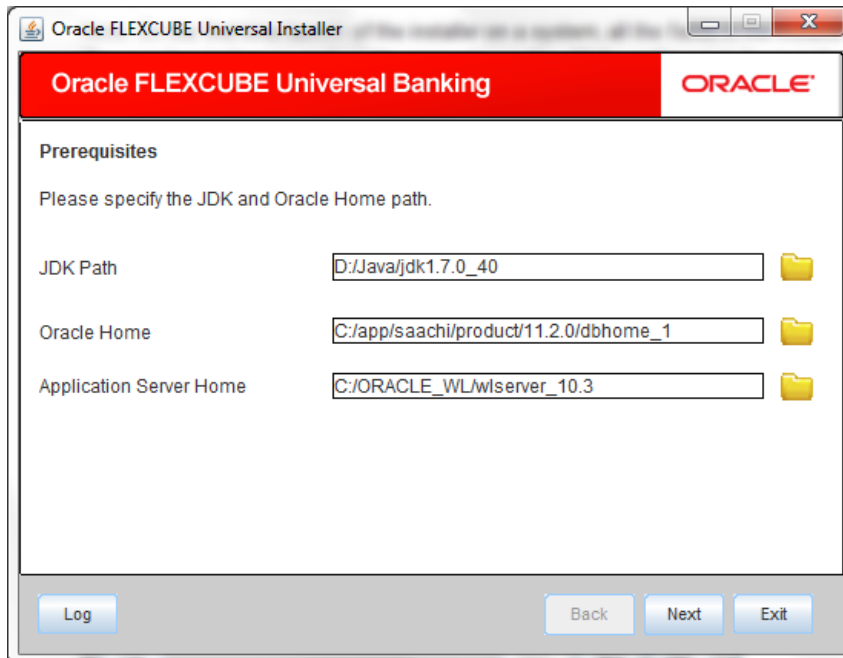


6. Proceed with installation process.



On the first time launch of the installer on a system, all the fields in the installer will be displayed according to the values entered by the user at the command line level and the same data is saved in env.properties.

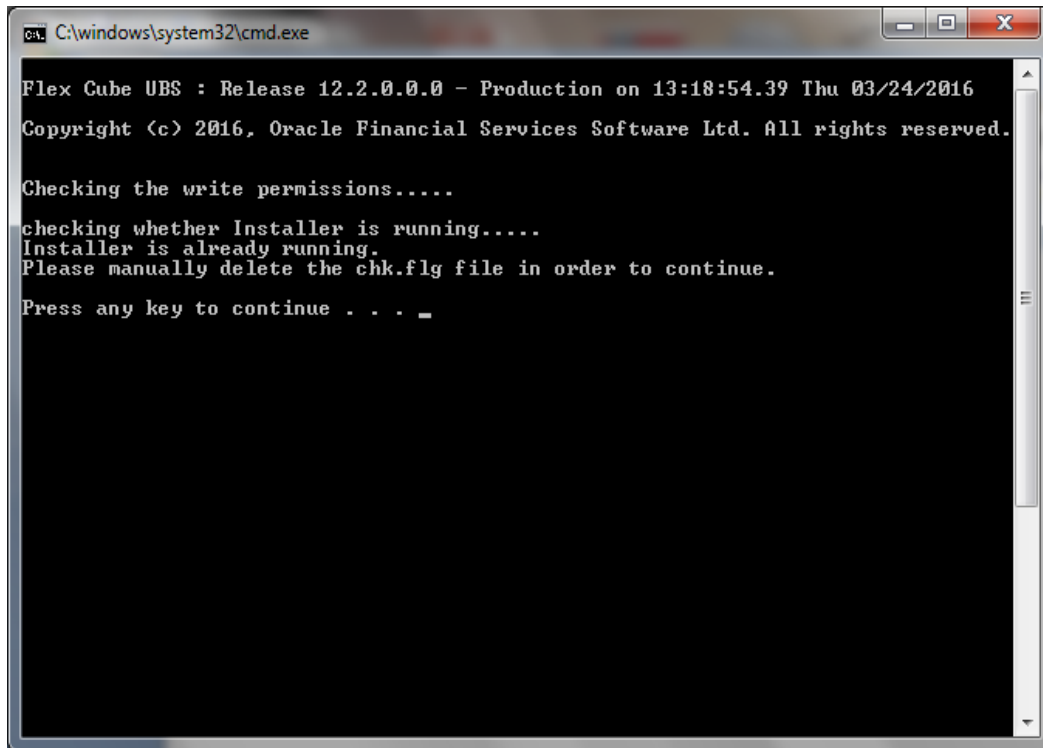
On subsequent launches of installer on the same machine, the installer will read the paths from env.properties and display in the respective fields.







If you re-launch the installer which was closed abruptly, the following screen is displayed.



```
C:\windows\system32\cmd.exe

Flex Cube UBS : Release 12.2.0.0.0 - Production on 13:18:54.39 Thu 03/24/2016
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Checking the write permissions.....
checking whether Installer is running.....
Installer is already running.
Please manually delete the chk.flg file in order to continue.
Press any key to continue . . . _
```

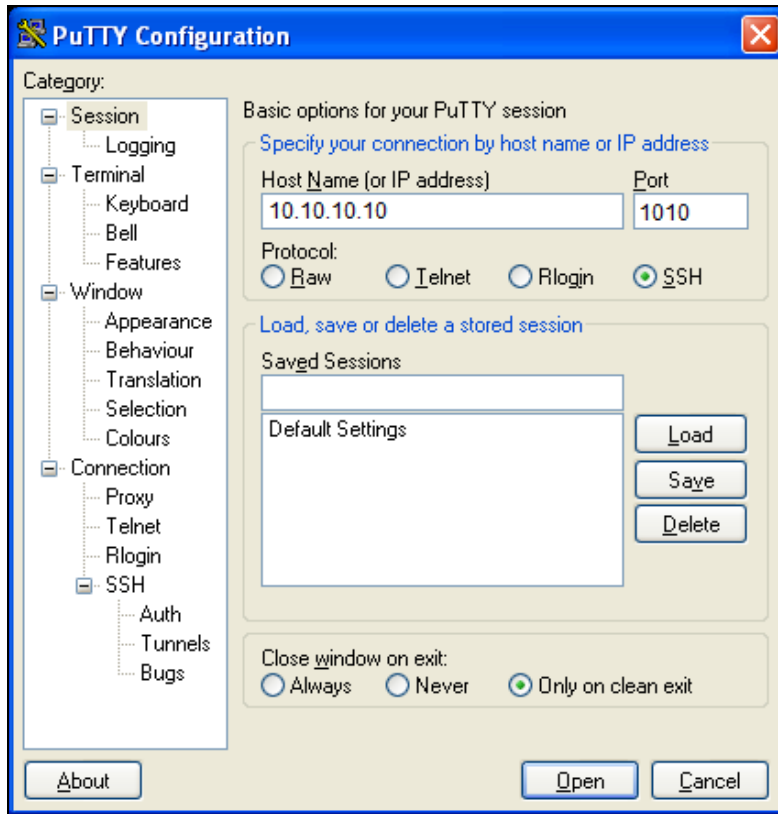
In this case, you have to delete the file 'chk.flg', created in the installer sources and again re-launch the Installer.

## 1.4 **Running Oracle FLEXCUBE Installer on UNIX/LINUX**

This section describes the method to run Oracle FLEXCUBE Installer on UNIX/LINUX system.

### 1.4.1 **Login to PUTTY**

In order to run installer on UNIX machines, you need to login to the UNIX machine using PuTTY. Go to 'PuTTY Configuration' screen.



1. Specify the following details:

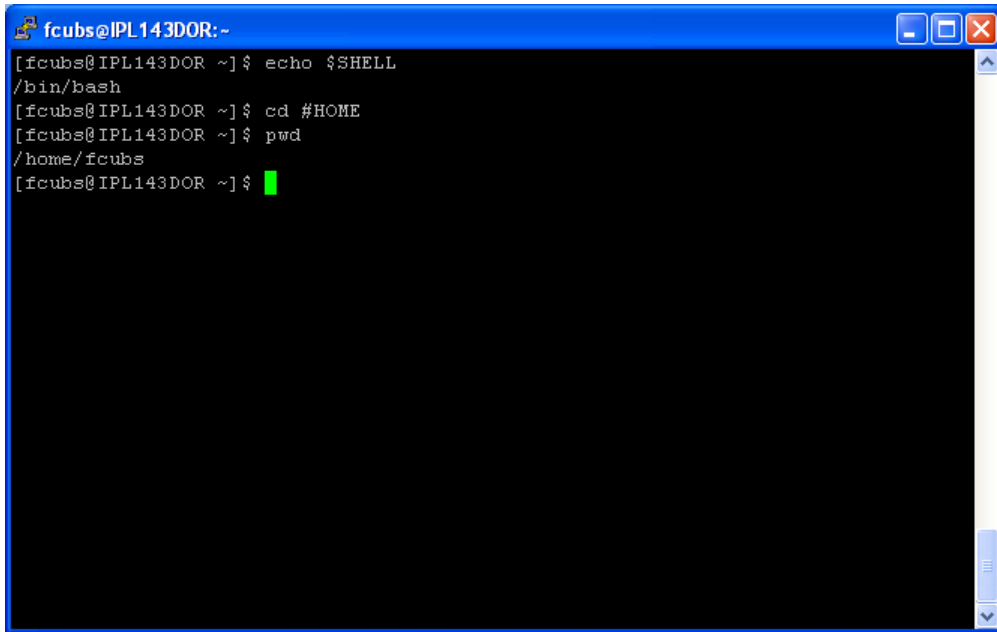
### Host Name

Specify the host address of UNIX machine which you need to connect.

### Protocol

Select SSH as the protocol.

2. Once you have provided these details, click 'Open'. You will be prompted for the login ID and password of the UNIX machine.

A screenshot of a terminal window with a blue title bar. The title bar text is 'fcubs@IPL143DOR:~'. The terminal shows the following commands and output:

```
[fcubs@IPL143DOR ~]$ echo $SHELL
/bin/bash
[fcubs@IPL143DOR ~]$ cd $HOME
[fcubs@IPL143DOR ~]$ pwd
/home/fcubs
[fcubs@IPL143DOR ~]$
```

A green cursor is visible after the last prompt.

3. Specify the login details:

You can check the current shell for the user in putty console using the following command.

**echo \$SHELL**

In case the current shell is not bash, you need to set the shell to bash.

You can check the user home directory using the following command.

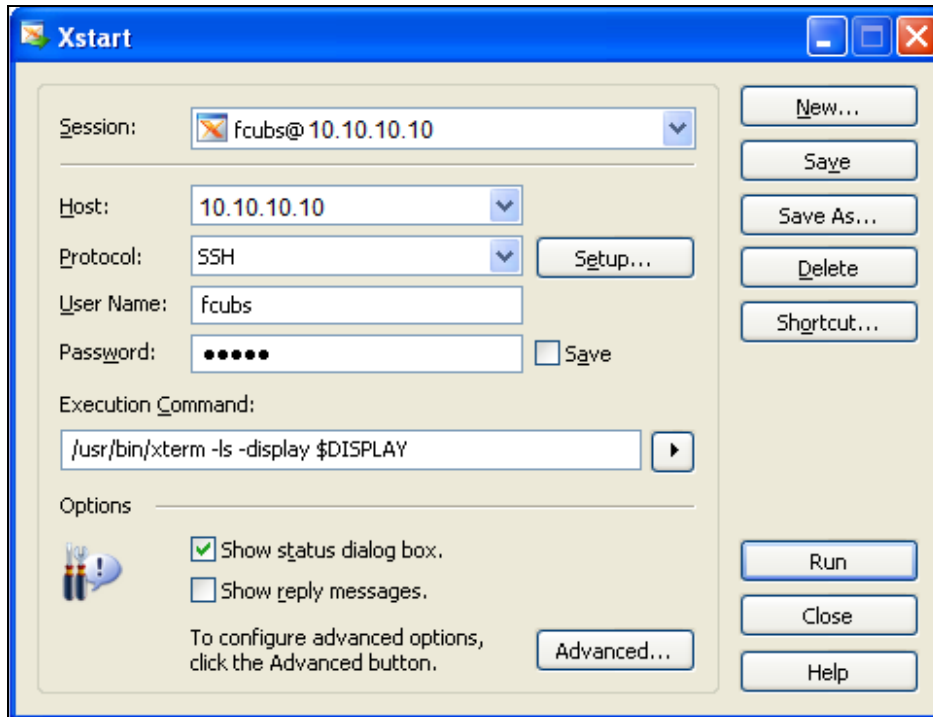
**cd \$HOME**

**\$pwd**

### 1.4.2 Running Oracle FLEXCUBE Installer through XManager

In order to run Oracle FLEXCUBE Installer on UNIX machine, you need to have the software called XManager. This section contains the settings required for running Oracle FLEXCUBE Installer through XManager on UNIX machines.

Install XManager. You can find an icon 'Xstart' inside XManager folder. Double-click 'Xstart' icon in order to connect to the server. The following screen is displayed.



1. Specify the following details:

### Session

Specify the session name.

### Host

Specify the UNIX machine IP address.

### Protocol

Specify the protocol based on the the operating system.

A few examples for the protocols for various operating systems are given below:

Operating System	Protocol
Oracle Enterprise Linux	SSH
IBM AIX	TELNET
Solaris	SSH
UNIX	SSH

### User Name

Specify the UNIX user name.

## Password

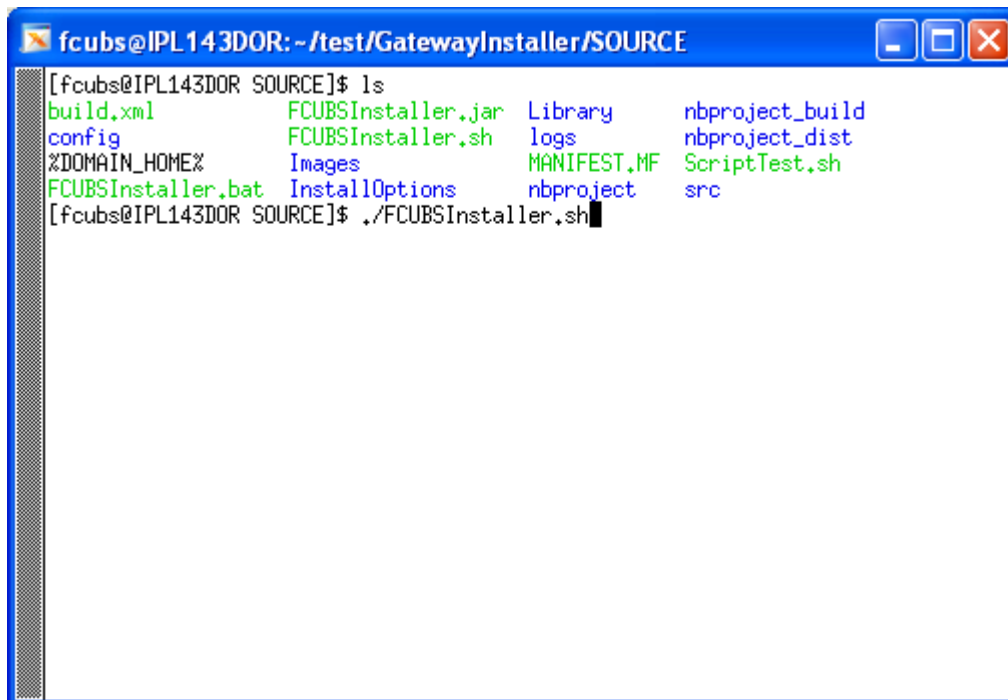
Specify the password for the UNIX user name.

## Excution Command

Specify the execution command based on the operating system.

Operating System	Execution Command
Oracle Enteprise Linux	/usr/bin/xterm -ls -display \$DISPLAY
IBM AIX	/usr/dt/bin/dtterm -ls -display \$DISPLAY
Solaris	/usr/openwin/bin/xterm -ls -display \$DISPLAY
UNIX	/usr/bin/X11/xterm -ls -display \$DISPLAY

2. Once you have specified the details, click 'Run'. The Xstart Console window is displayed.



```
[fcubs@IPL143DOR SOURCE]$ ls
build.xml          FCUBSInstaller.jar  Library            nbproject_build
config             FCUBSInstaller.sh   logs              nbproject_dist
%DOMAIN_HOME%     Images             MANIFEST.MF       ScriptTest.sh
FCUBSInstaller.bat InstallOptions      nbproject         src
[fcubs@IPL143DOR SOURCE]$ ./FCUBSInstaller.sh
```

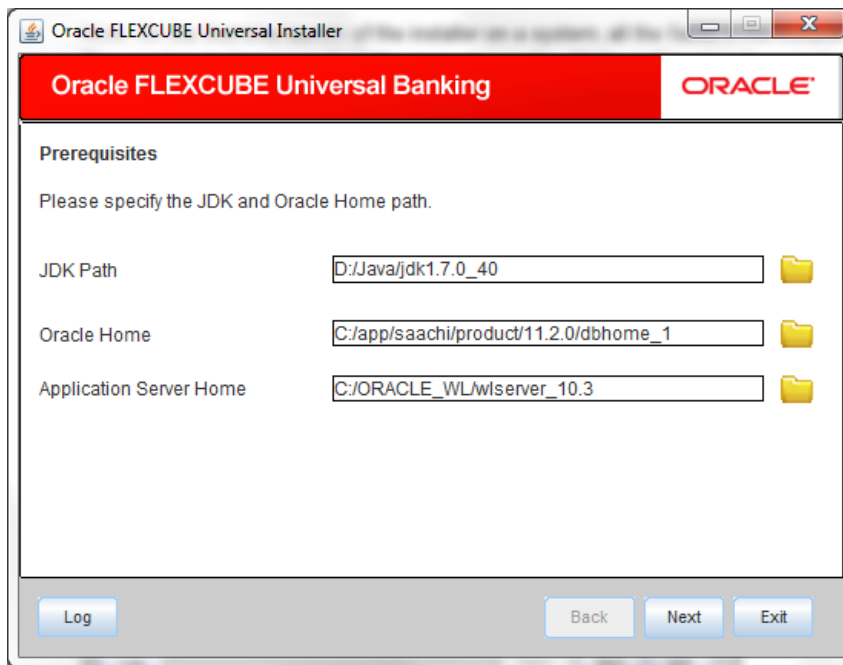
3. Use the following command to list the files present in the directory:

**ls**

In order to run the installer, you need to invoke the 'FCUBSInstaller.sh' file using the following command.

**./FCUBSInstaller.sh OR sh FCUBSInstaller.sh**

The command starts the installer. The User will be prompted to enter the JAVA Home (mandatory), Application Server Home(Optional) AND ORACLE Home (Optional) after which the following screen is displayed.

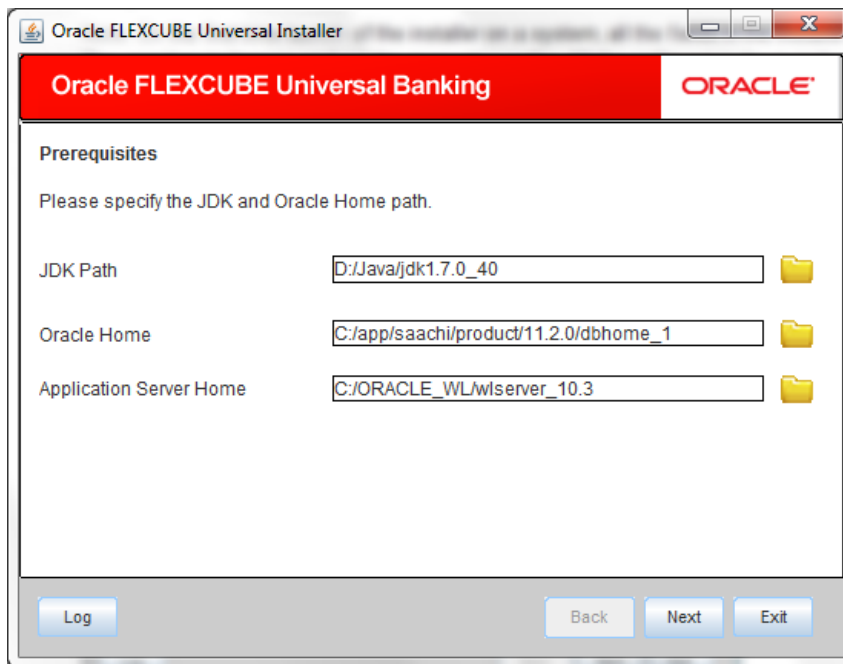


4. Proceed with installation process.



On the first time launch of the installer on a system, all the fields in the installer will be displayed according to the values entered by the user at the command line level and the same data is saved in env.properties.

On subsequent launches of installer on the same machine, the installer will read the paths from env.properties and display in the respective fields.



5. Proceed with installation process.

The 'Installer' folder and the Destination folder must be present in the UNIX/LINUX server with full access permissions.

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## 2. Running Oracle FLEXCUBE Installer in Silent Mode

This section describes the method to run Oracle FLEXCUBE Installer in silent mode.

Following features are supported in silent mode:

1. EAR Build (FCUBS, Gateway)
2. EAR Build (ELCM)
3. Data Base Installation
4. User Creation and Report DSN
5. Deployment on Weblogic and WAS

In order to run Oracle FLEXCUBE Installer in silent mode, you need to modify/edit the following properties files with proper values:

Path: <INSTALLER>/config (<INSTALLER> is placeholder for SOURCE folder of installer)

- 'silentConfigBuild.properties' to build Application in silent mode
- 'silentConfigDatabase.properties' to setup Database in silent mode
- 'silentUserCreation\_ReportsDSNproperties' to set up user creation and report DSN.
- 'silentELCMConfigBuild.properties' to build ELCM EAR
- 'silentAppDeployment.properties' to deploy EAR on Weblogic
- 'silentWASDeployment.properties' to deploy EAR on WAS



```

1 ##### SET THE APPLICATION SERVER AS WEBLOGIC/WEBSPPHERE #####
2 APPLICATION_SERVER=WEBLOGIC
3 INSTALLATION_TYPE=FCUBS
4 APPLICATION_TYPE=FCJ
5 APPLICATION_OS=Windows
6 WEBLOGIC_HOME=D:/Oracle/Middleware/wlserver_10.3
7 JAVA_HOME=D:/Java/jdk1.6.0_16
8
9 APPLICATION_NAME=FCJApp
10
11 APPLICATION_CONTEXT=FCJNeoWeb
12
13 ##### DEPLOYMENT_OPTION=C/D/H ( ONLY REQUIRED FOR FCJ/FGL/ELCM APPLICATION TYPES)#####
14 DEPLOYMENT_OPTION=C
15
16 PROPERTY_FILE_PATH=D:/Installer/12.0/Dump/PropertyFile/Centralized/fcubs.properties
17 PROPERTY_FILE_PATH1=D:/Installer/12.0/Dump/PropertyFile/Hybrid/DC/fcubs.properties
18 EXCLUDE_PROPERTY_FILE=false
19 RUNTIME_PATH=D:/fcubs.properties
20
21 ##### GATEWAY_APPLICATION_TYPE=Gateway EJB/Gateway MDB/Gateway HTTP/Gateway WebServices (ONLY REQUIRED FOR GATEWAY APPLICATION) #####
22 GATEWAY_APPLICATION_TYPE=Gateway EJB
23
24 ##### PROVIDE A TILDA (~) SEPARATED LIST HERE FOR MULTIPLE SOURCES #####
25 SOURCE_LIST=D:/Installer/12.0/SOURCE
26
27 DESTINATION_DIRECTORY=D:/Installer/12.0/DEST
28
29 MODULES_REQD=SM-BC

```

Properties file length: 1023 lines: 29 Ln: 1 Col: 1 Sel: 0 Dos\Windows ANSI INS

Follow the steps below given to run the installer in silent mode.

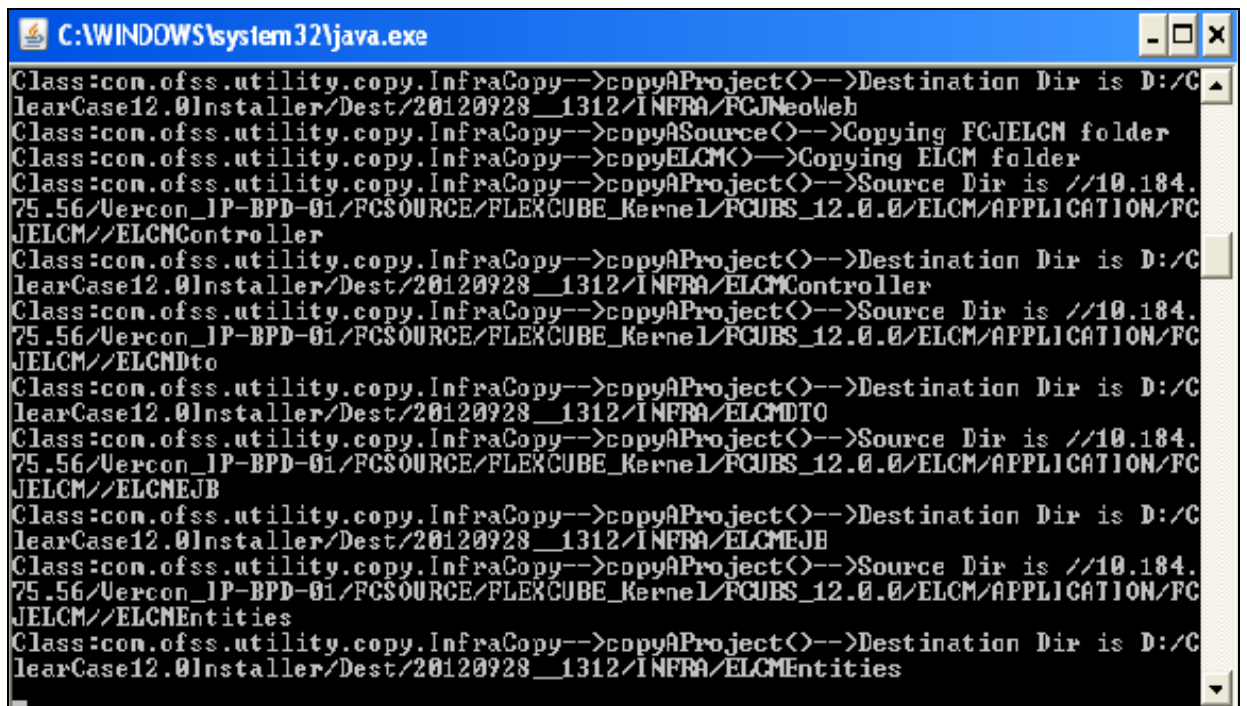
## 2.1.1 Running Installer in Silent Mode in Windows

In order to run the installer in silent mode in Windows, follow the steps given below.

1. In command prompt, navigate to the folder where the 'FCUBSInstaller.bat' is located.
2. Type the below command for
  - EAR Build (FCUBS, Gateway)  
FCUBSInstaller.bat /s AB <INSTALLER>/config/silentConfigBuild.properties
  - Data Base Installation  
FCUBSInstaller.bat /s DB <INSTALLER>/config/silentConfigDatabase.properties
  - User Creation  
FCUBSInstaller.bat /s UC <INSTALLER>/config/ silentUserCreation\_ReportsDSN.properties
  - Report DSN  
FCUBSInstaller.bat /s RP <INSTALLER>/config/ silentUserCreation\_ReportsDSN.properties

- ELCM  
FCUBSInstaller.bat /s AB <INSTALLER>/config/ silentELCMConfigBuild.properties
- Weblogic Deployment  
FCUBSInstaller.bat /s AD <INSTALLER>/config/ silentAppDeployment.properties
- WAS Deployment  
FCUBSInstaller.bat /s AD <INSTALLER>/config/ silentWASDeployment.properties

3. The following pop-up window shows the logs.



```

C:\WINDOWS\system32\java.exe
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/FCJNeoleh
Class:con.ofss.utility.copy.InfraCopy-->copyASource()-->Copying FCJELCM folder
Class:con.ofss.utility.copy.InfraCopy-->copyELCM()-->Copying ELCM folder
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Source Dir is //10.184.
75.56/Uercon_IP-BPD-01/FC$OURCE/FLEXCUBE_Kernel/FCUBS_12.0.0/ELCM/APPLICATION/FC
JELCM//ELCMController
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/ELCMController
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Source Dir is //10.184.
75.56/Uercon_IP-BPD-01/FC$OURCE/FLEXCUBE_Kernel/FCUBS_12.0.0/ELCM/APPLICATION/FC
JELCM//ELCNDto
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/ELCNDto
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Source Dir is //10.184.
75.56/Uercon_IP-BPD-01/FC$OURCE/FLEXCUBE_Kernel/FCUBS_12.0.0/ELCM/APPLICATION/FC
JELCM//ELCNEJB
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/ELCNEJB
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Source Dir is //10.184.
75.56/Uercon_IP-BPD-01/FC$OURCE/FLEXCUBE_Kernel/FCUBS_12.0.0/ELCM/APPLICATION/FC
JELCM//ELCMEntities
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/ELCMEntities
  
```

4. Once the installer finishes the task, this log window gets closed automatically.

## 2.1.2 Running Installer in Silent Mode in Linux

You can run Oracle FLEXCUBE UBS Installer in silent mode using the following command:



The command should be given in a single line.

- EAR Build (FCUBS, Gateway)  
sh FCUBSInstaller.sh /s AB <INSTALLER>/config/ silentConfigBuild.properties

- Data Base Installation  
sh FCUBSInstaller.sh /s DB <INSTALLER>/config/ silentConfigDatabase.properties
- User Creation  
sh FCUBSInstaller.sh /s UC <INSTALLER>/config/silentUserCreation\_ReportsDSN.properties
- Report DSN  
sh FCUBSInstaller.sh /s RP <INSTALLER>/config/ silentUserCreation\_ReportsDSN.properties
- ELCM  
sh FCUBSInstaller.sh /s AB <INSTALLER>/config/ silentELCMConfigBuild.properties
- Weblogic Deployment  
sh FCUBSInstaller.sh /s AD <INSTALLER>/config/ silentAppDeployment.properties
- WAS Deployment  
sh FCUBSInstaller.sh /s AD <INSTALLER>/config/ silentWASDeployment.properties



Use the exact folder location instead of '<INSTALLER>' in the command.



Installer Support Modes  
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