

Setting up Installer
Oracle FLEXCUBE Investor Servicing
Release 14.4.0.0.0
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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.

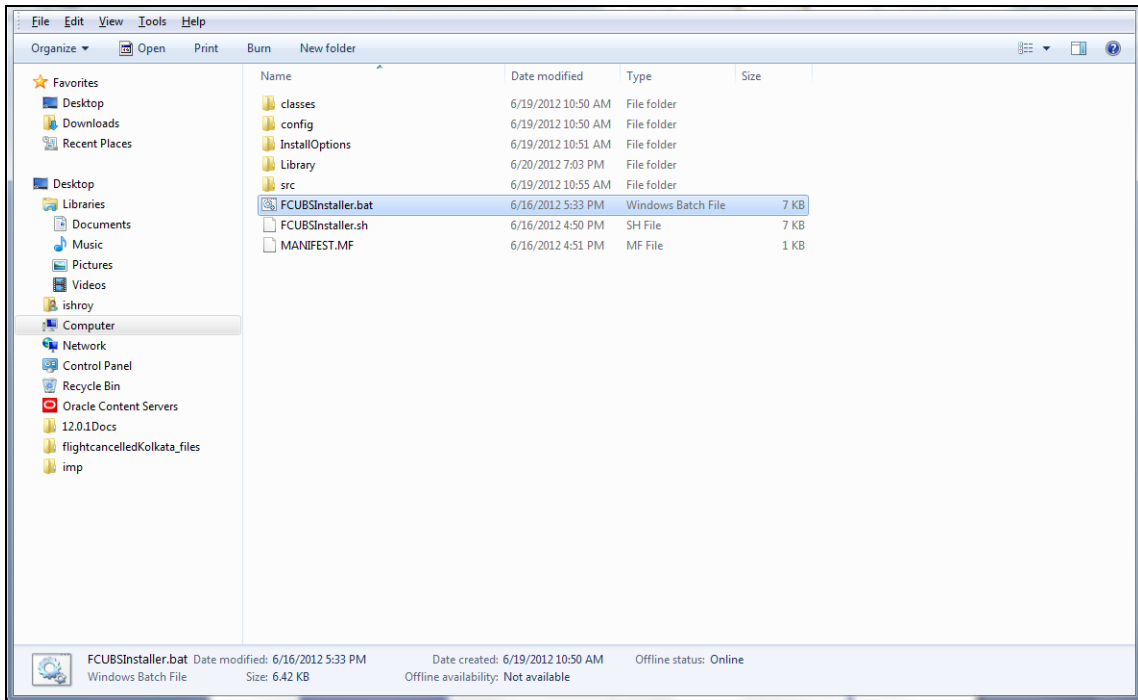
The Oracle FLEXCUBE Installer picks up the source files from the Source Directory and builds the enterprise archive file. The enterprise archive file is then deployed on the Application Server using the Application Server admin console.

1.2 Scope of Installer

| | | | |
|------------------------------|--|---|---------------------------------------|
| Building Application | 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. | | Mandatory installer components |
| | | | JDK Path |
| Deploying Application | 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 |
| | WEBLOGIC | 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. | |
| | WEBSHERE | Deploying application in websphere will deploy the selected application in websphere. | |
| Database | 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 explains the instructions for compiling objects and loading static data and imp dump | | JDK path Oracle Home |

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.

Refer Release Notes for valid JDK version

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

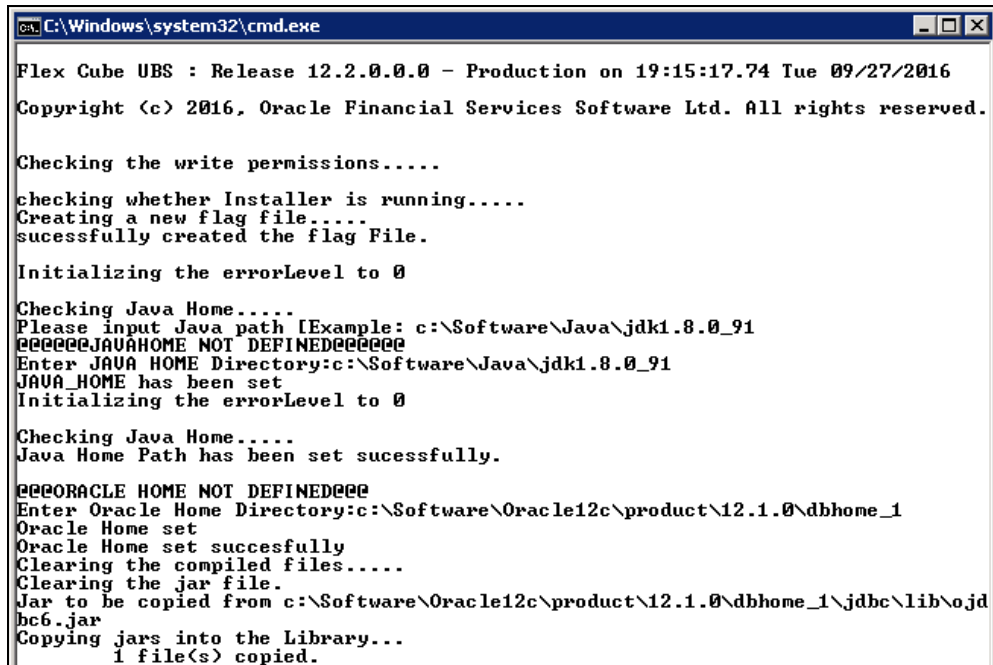
Flex Cube UBS : Release 12.2.0.0.0 - Production on 19:15:17.74 Tue 09/27/2016
Copyright (c) 2016, Oracle Financial Services Software Ltd. All rights reserved.

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

Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: c:\Software\Java\jdk1.8.0_91
#####JAVAHOME NOT DEFINED#####
Enter JAVA HOME Directory:c:\Software\Java\jdk1.8.0_91
JAVA_HOME has been set
```

3. 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 19:15:17.74 Tue 09/27/2016
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.

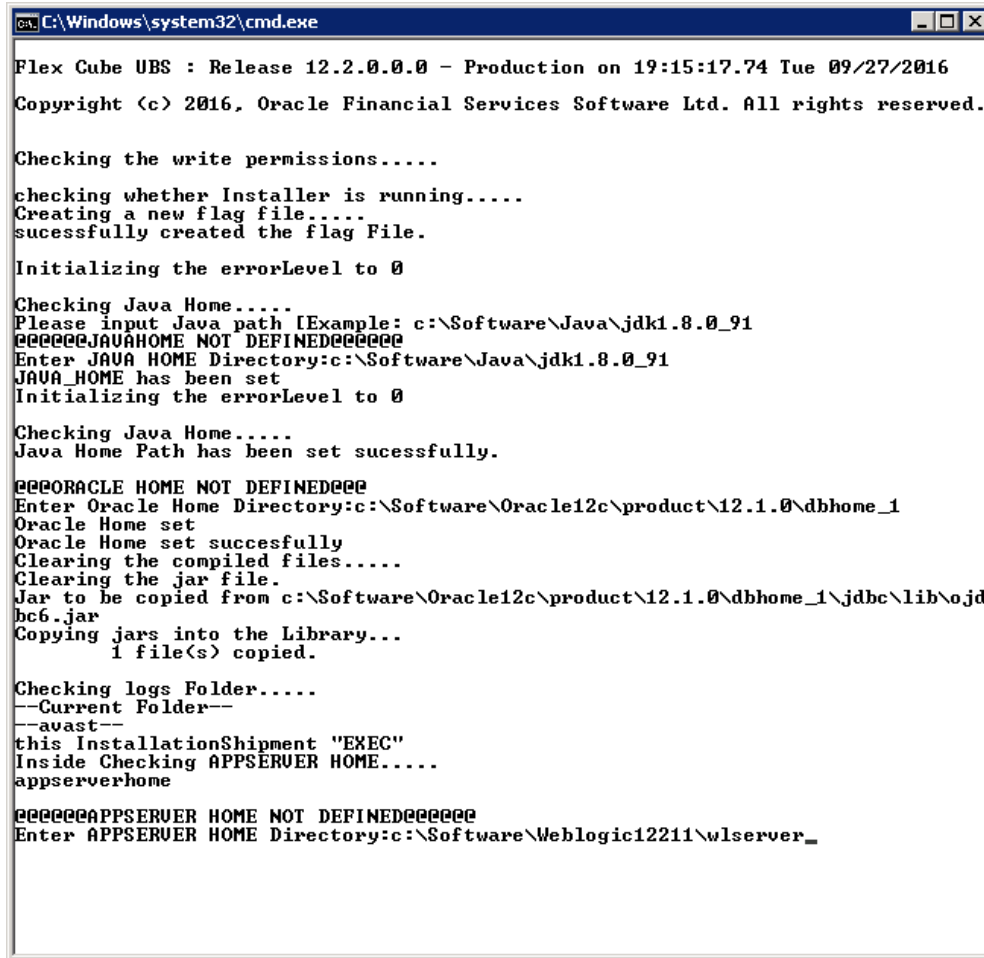
Initializing the errorLevel to 0

Checking Java Home.....
Please input Java path [Example: c:\Software\Java\jdk1.8.0_91
#####JAVAHOME NOT DEFINED#####
Enter JAVA HOME Directory:c:\Software\Java\jdk1.8.0_91
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:c:\Software\Oracle12c\product\12.1.0\dbhome_1
Oracle Home set
Oracle Home set sucesfully
Clearing the compiled files.....
Clearing the jar file.
Jar to be copied from c:\Software\Oracle12c\product\12.1.0\dbhome_1\jdbc\lib\ojd
bc6.jar
Copying jars into the Library...
1 file(s) copied.
```

4. 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 19:15:17.74 Tue 09/27/2016
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: c:\Software\Java\jdk1.8.0_91
#####JAVAHOME NOT DEFINED#####
Enter JAVA HOME Directory:c:\Software\Java\jdk1.8.0_91
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:c:\Software\Oracle12c\product\12.1.0\dbhome_1
Oracle Home set
Oracle Home set sucesfully
Clearing the compiled files.....
Clearing the jar file.
Jar to be copied from c:\Software\Oracle12c\product\12.1.0\dbhome_1\jdbc\lib\ojd
bc6.jar
Copying jars into the Library...
1 file(s) copied.

Checking logs Folder.....
--Current Folder--
--avast--
this InstallationShipment "EXEC"
Inside Checking APPSERVER HOME.....
appserverhome


#####APPSERVER HOME NOT DEFINED#####
Enter APPSERVER HOME Directory:c:\Software\Weblogic12211\wlserver_
```

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.

The screenshot shows the 'Oracle FLEXCUBE Investor Servicing' prerequisites window. The title bar includes the Oracle logo. The main content area is titled 'Prerequisites' and contains the instruction: 'Please specify the JDK and Oracle Home path.' Below this, there are four fields: 'JDK Path' with the value 'C:/Software/Java/jdk1.8.0_91', 'Oracle Home' with 'C:/Software/Oracle12c/product/12.1.0/dbhome_1', 'Application Server Home' with 'C:/Software/Weblogic12211/wlserver', and 'Application Server Location' with a dropdown menu set to 'Local'. Each path field has a folder icon to its right. At the bottom, there are four buttons: 'Log', 'Back', 'Next', and 'Exit'.

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

The screenshot shows a Windows command prompt window titled 'C:\windows\system32\cmd.exe'. The text displayed is as follows:
Flex Cube UBS : Release 11.4.0.0.0 - Production on 11:14:29.94 Fri 09/28/2012
Copyright (c) 2012, Oracle Financial Services Software Ltd. All rights reserved.

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 . . . _

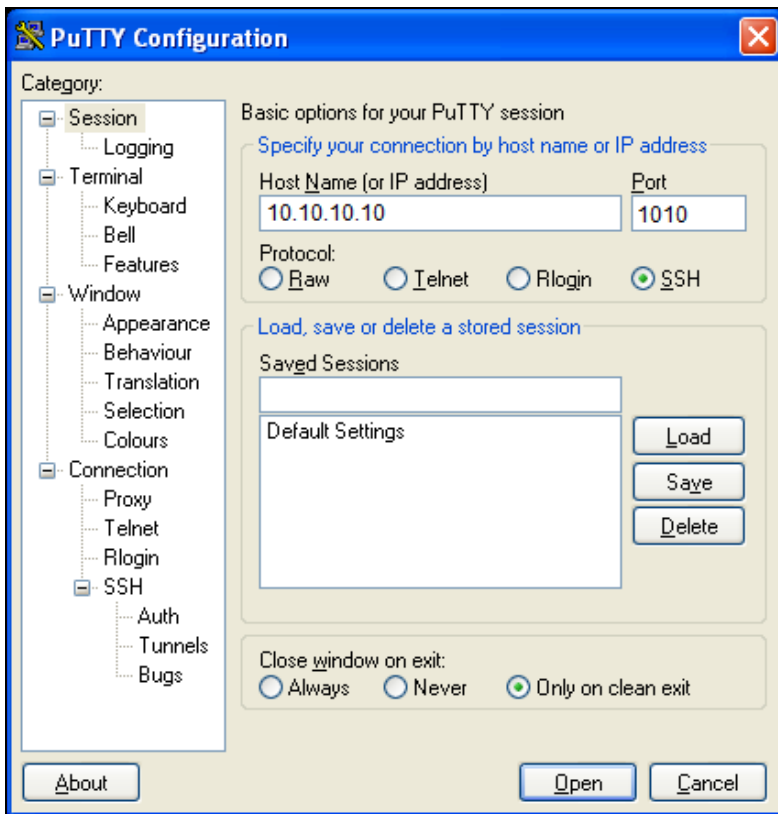
In this case, you have to delete the file 'chk.flg', created in the installer sources and again re-launch the Installer.

1.4 Running Oracle FLEXCUBE Installer on LINUX

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

1.4.1 Login to PUTTY

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



1. Specify the following details:

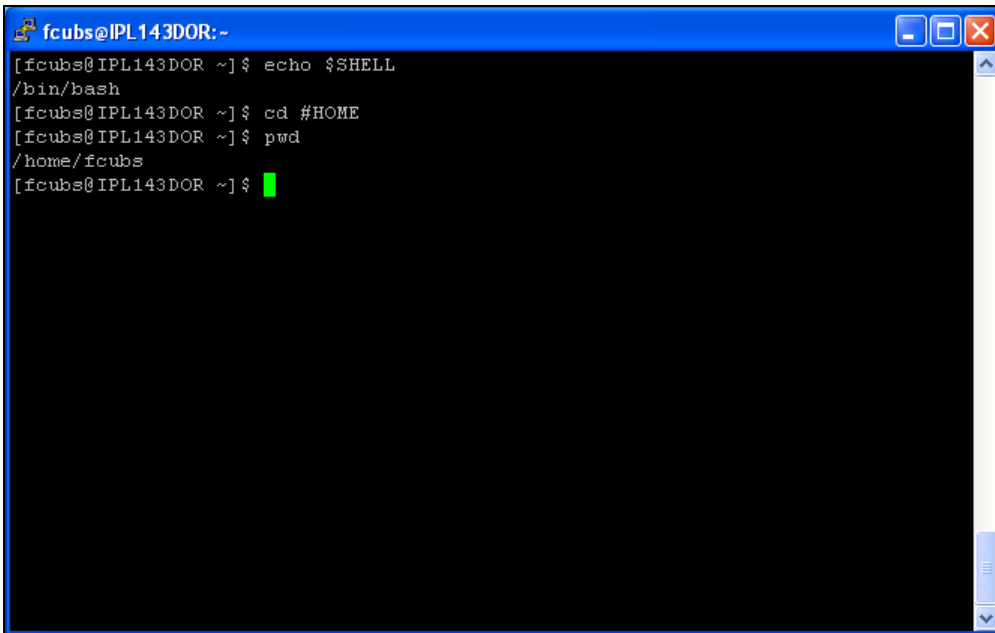
Host Name

Specify the host address of LINUX 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 LINUX machine.

A screenshot of a Linux terminal window titled "fcubs@IPL143DOR:~". The terminal shows the following commands and their outputs:

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

The terminal window has a blue title bar and standard window controls (minimize, maximize, close) on the right side. A green cursor is visible at the end of the last command line.

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.

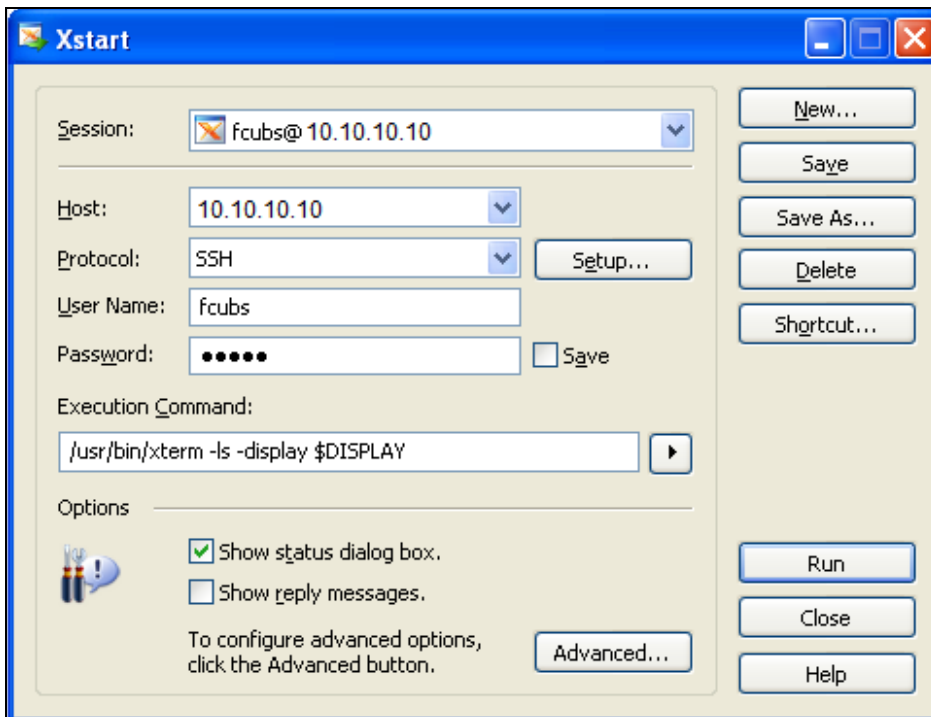
cd \$HOME

\$pwd

1.4.2 Running Oracle FLEXCUBE Installer through XManager

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

User Name

Specify the LINUX user name.

Password

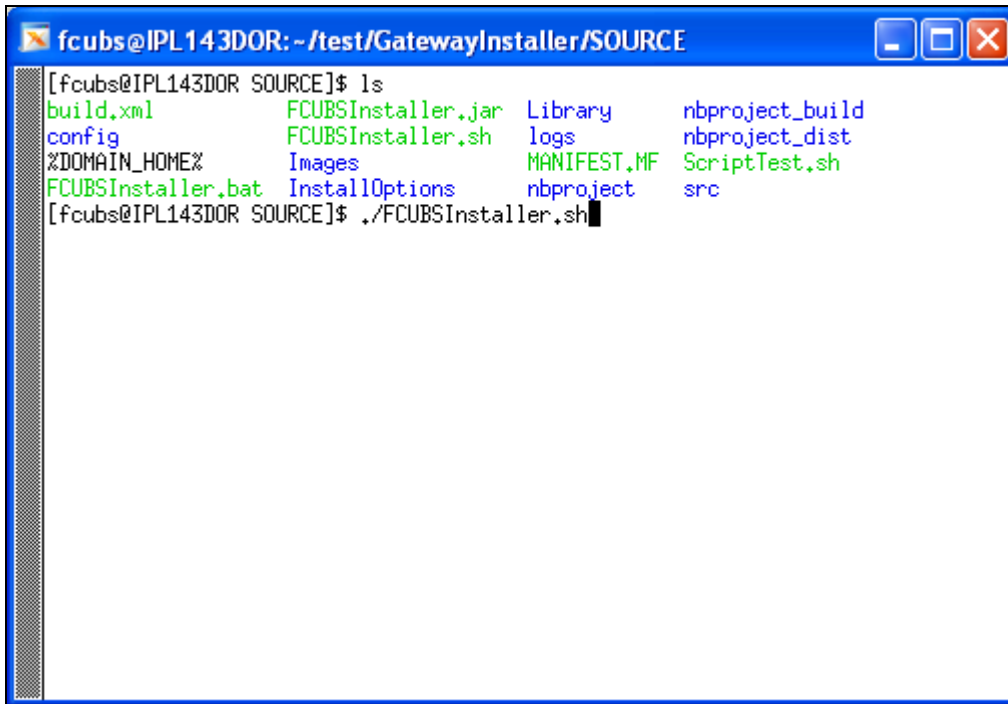
Specify the password for the LINUX user name.

Excution Command

Specify the execution command based on the operating system.

| Operating System | Execution Command |
|-------------------------|---------------------------------------|
| Oracle Enterprise Linux | /usr/bin/xterm -ls -display \$DISPLAY |

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



```
fcubs@IPL143DOR: ~/test/GatewayInstaller/SOURCE
[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.


Oracle FLEXCUBE Investor Servicing ORACLE


Prerequisites

Please specify the JDK and Oracle Home path.


JDK Path 

Oracle Home 

Application Server Home 

Application Server Location 

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.

The screenshot shows a window titled "Oracle FLEXCUBE Investor Servicing" with the Oracle logo in the top right corner. The main content area is titled "Prerequisites" and contains the instruction "Please specify the JDK and Oracle Home path." Below this, there are four fields for configuration:

- JDK Path:** A text input field containing "C:/Software/Java/jdk1.8.0_91" with a folder icon to its right.
- Oracle Home:** A text input field containing "C:/Software/Oracle12c/product/12.1.0/dbhome_1" with a folder icon to its right.
- Application Server Home:** A text input field containing "C:/Software/Weblogic12211/wlserver" with a folder icon to its right.
- Application Server Location:** A dropdown menu currently set to "Local".

At the bottom of the window, there are four buttons: "Log", "Back", "Next", and "Exit".

5. Proceed with installation process.

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

2. Running Oracle FLEXCUBE Installer in Silent Mode

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

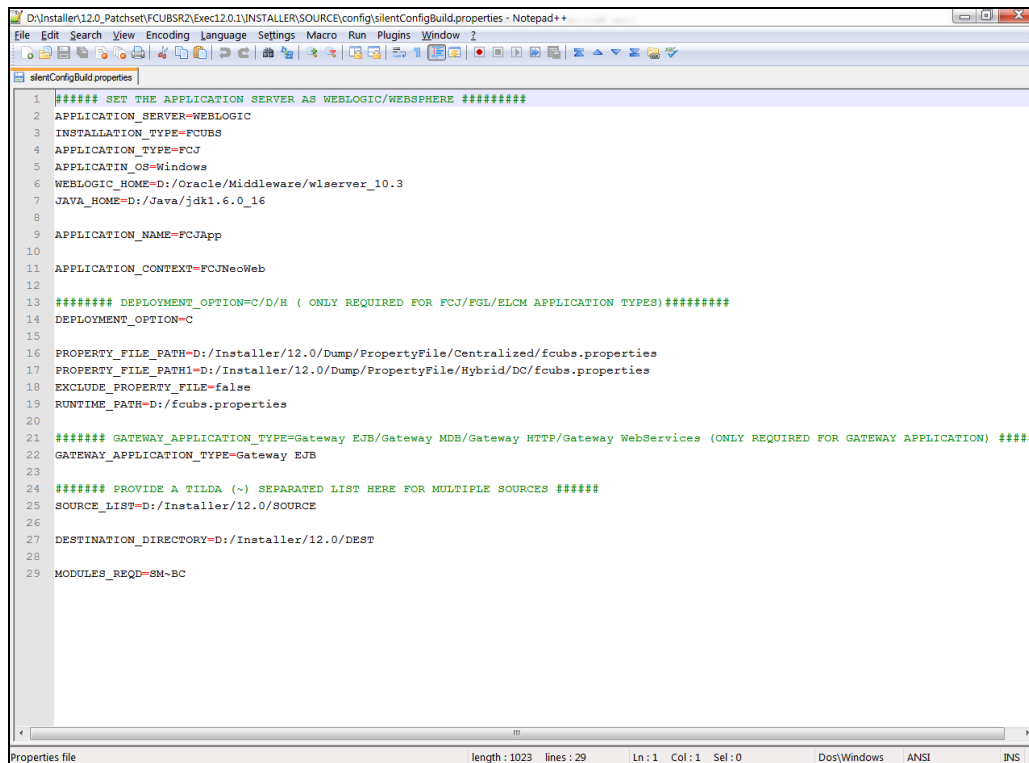
Following features are supported in silent mode:

1. EAR Build (FCIS, Gateway)
2. Deployment (FCIS, Gateway)
3. Data Base Installation
4. User Creation and Report DSN

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

Path: \INSTALLER\SOURCE\config\

- '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.
- 'silentAppDeployment.properties' to deploy application on Weblogic Server.
- 'silentWASDeployment.properties' to deploy application on Websphere Server.



```
1 ##### SET THE APPLICATION SERVER AS WEBLOGIC/WEBSHERE #####
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
```

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 (FCIS, Gateway)
FCUBSInstaller.bat /s AB <INSTALLER>/config/silentConfigBuild.properties
 - Deployment on Weblogic Server
FCUBSInstaller.bat /s AD <INSTALLER>/config/silentAppDeployment.properties
 - Deployment on Websphere Server
FCUBSInstaller.bat /s AD <INSTALLER>/config/silentWASDeployment.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
(the command should be given in a single line)
3. 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 is Installer in silent mode using the following command:



The command should be given in a single line.

- EAR Build (FCIS, Gateway)
sh FCUBSInstaller.sh /s AB <INSTALLER>/config/ silentConfigBuild.properties
- Data Base Installation
sh FCUBSInstaller.sh /s DB <INSTALLER>/config/ silentConfigDatabase.properties
- Deployment on Weblogic Server
sh FCUBSInstaller.sh /s AD <INSTALLER>/config/silentAppDeployment.properties
- Deployment on Websphere Server
sh FCUBSInstaller.sh /s AD <INSTALLER>/config/silentWASDeployment.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



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



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