

Setting up Oracle FLEXCUBE Investor Servicing Installer
Oracle FLEXCUBE Investor Servicing
Release 12.0.1.1.3
[May] [2013]



Table of Contents

1.	SETTING UP ORACLE FLEXCUBE INVESTOR SERVICING INSTALLER.....	1-1
1.1	INTRODUCTION	1-1
1.2	TERMINOLOGIES	1-1
1.3	PREREQUISITES	1-1
1.4	SETTING SYSTEM PROPERTIES FOR INSTALLER.....	1-1
1.5	PRE INSTALLATION STEPS FOR FCIS 12.0.1.....	1-4
1.6	RUNNING INSTALLER ON WINDOWS.....	1-4
1.7	RUNNING INSTALLER ON UNIX/LINUX	1-8
1.7.1	<i>Login into PUTTY.....</i>	<i>1-8</i>
1.7.2	<i>Exporting Enviroment Variables.....</i>	<i>1-10</i>
1.7.3	<i>Running Installer through XManager.....</i>	<i>1-11</i>
1.8	RUNNING INSTALLER IN SILENT MODE.....	1-14
1.8.1	<i>Running Installer in Silent Mode on LINUX.....</i>	<i>1-17</i>
2.	TROUBLESHOOTING	2-1
2.1	INTRODUCTION	2-1
2.2	CHECKING LOGS	2-1
2.3	ABRUPT EXIT FROM INSTALLER (WINDOWS ONLY)	2-2
2.4	INSTALLER CONFIGURATION	2-3

1. Setting up Oracle FLEXCUBE Investor Servicing Installer

1.1 Introduction

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

The Oracle FLEXCUBE Investor Servicing Installer picks up the source files from the Source Directory and compiles 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 Terminologies

You may come across the following jargons in this document:

- {INSTALLER_DIR} – This term represents the installer home directory
- {J2EE_SDK_INSTALLATION_DIR} – This term represents the J2EE SDK home directory

1.3 Prerequisites

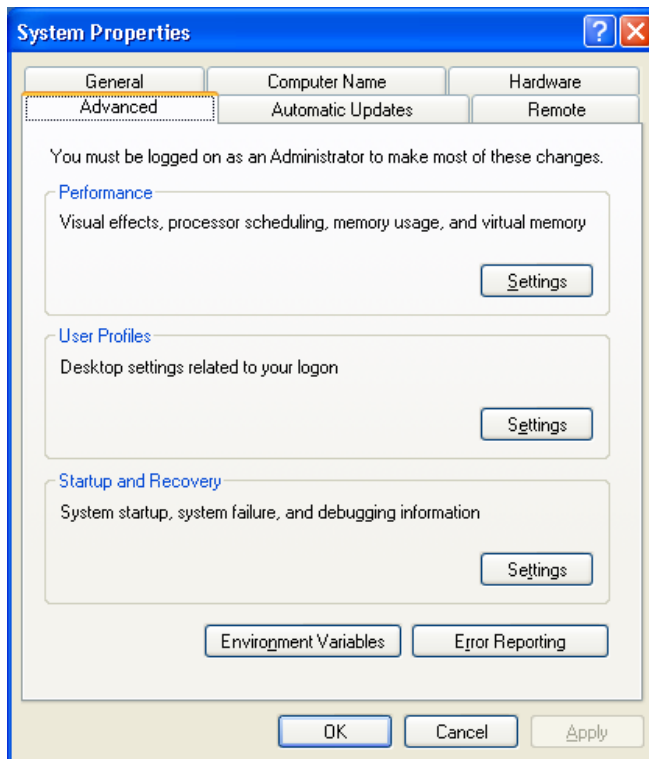
You will need the some components for setting up the Oracle FLEXCUBE Investor Servicing Installer. [Refer to the index for details.](#)

1.4 Setting System Properties for Installer

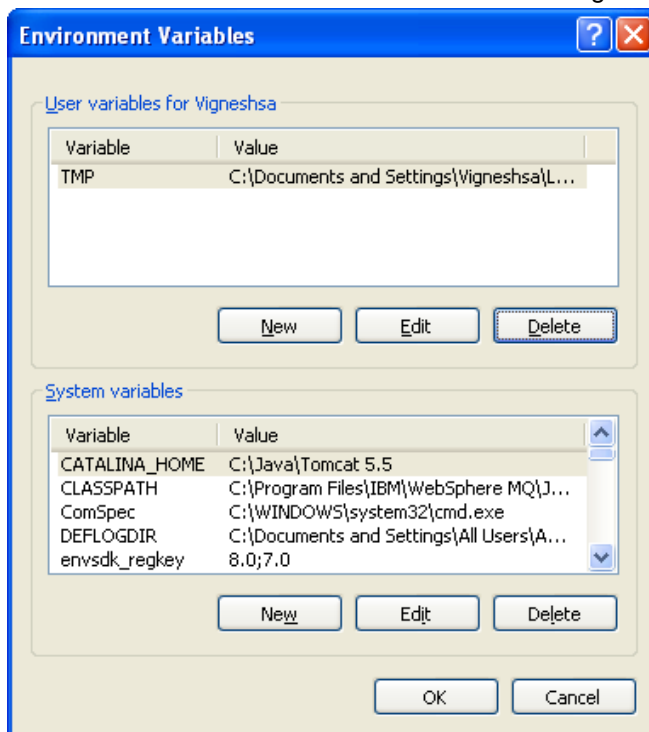
You need to set the system properties before running Oracle FLEXCUBE Investor Servicing Installer. These settings are applicable to Oracle FLEXCUBE Investor Servicing and the Gateway Applications.

1. Navigate to 'Control Panel' from Windows and double-click 'System' icon. The 'System Properties' window is displayed.

2. Select 'Advanced' tab.



3. Click 'Environment Variables' button. The following window is displayed.



4. You need to create a new user variable. Click 'New'. You will be prompted to enter the variable name and value.



You need to create the following user variables.

Variable required for Oracle WebLogic Application Server

Sl. No.	Variable Name	Variable Value	Remarks
1.	WL_HOME	Location of the WebLogic Application Server home directory Eg: D:\bea\wlserver_10.3	This variable is required when the Web Service Application is deployed to Oracle WebLogic Application Server.

Variable required for IBM WebSphere Application Server

Sl. No.	Variable Name	Variable Value	Remarks
1.	WAS_HOME	Location of Websphere Application Server home directory Eg: C:\Program Files\IBM\WebShere\AppServer	This variable is required when the Web Service Application is deployed to IBM WebSphere Application Server.

Create a directory with the name {INSTALLER_DIR}\Library\was.

Copy the following files from {WAS_HOME}\plugins to the directory {INSTALLER_DIR}\Library\was.

- com.ibm.ws.runtime.jar
- com.ibm.jaxws.tools.jar

Once you have copied the Installer, INFRA and Gateway sources from the Software, right-click the the source folder on the local machine, Go to 'Properties' and uncheck the attribute 'Read Only'. Apply the settings to the folder, sub-folders and files when prompted.

Variable required for database installation

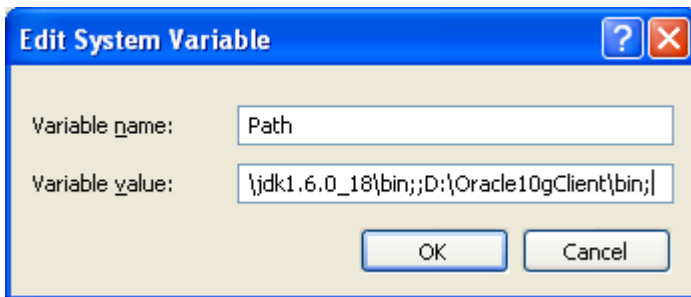
Sl. No.	Variable Name	Variable Value	Remarks
1.	ORACLE_HOME	Location of Oracle 11g Home directory Eg: D:\Oracle11gClient	This variable is required for database installation.

Variable required for NLS

For NLS installations, you need to edit the variable 'Path' as follows:

Sl. No.	Variable Name	Variable Value	Remarks
1.	NLS_LANG	AMERICAN_AMERICA.UTF8	This user environment variable is required for all the static data with non-English characters to be loaded properly into the database.

5. Now, you need to edit the system variable 'Path'. Select the system variable 'Path' and click 'Edit'.



Variable Name	Variable Value
Path	Location of Oracle Home directory Eg: D:\Oracle11gClient\bin

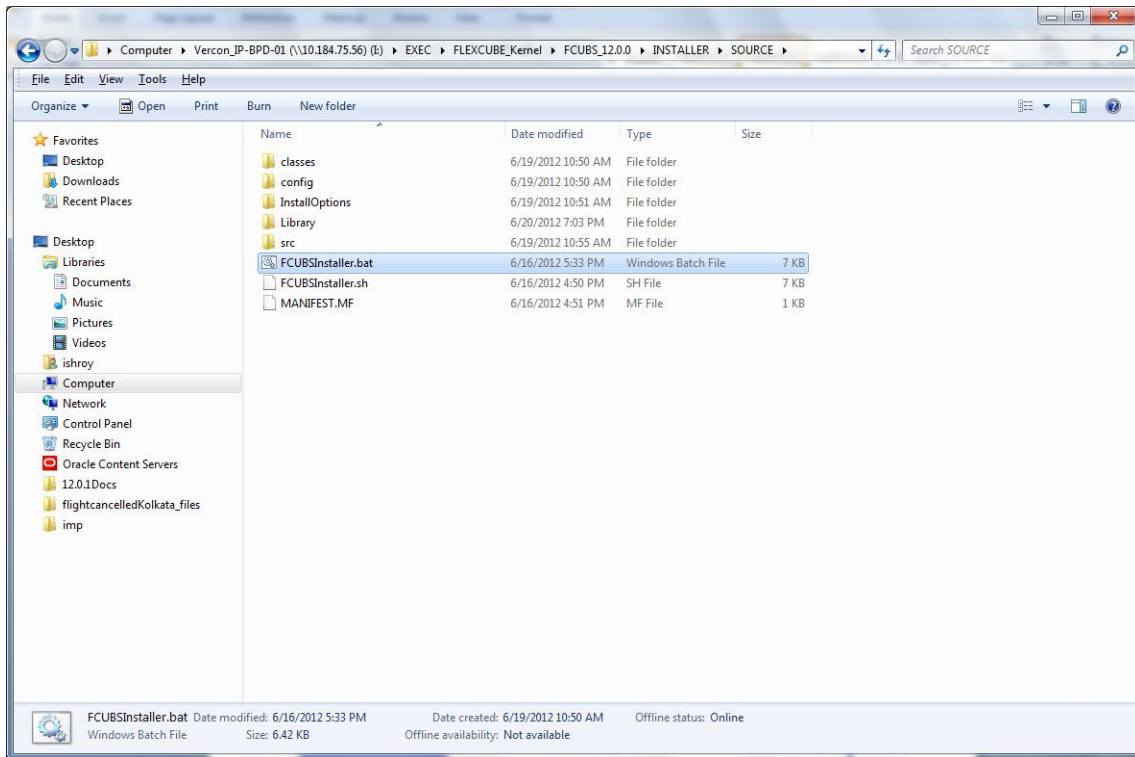
6. Once the environment variables are set, restart the system.

1.5 Pre Installation Steps for FCIS 12.0.1

1. Copy FCIS 12.0.0 Sources from Vercon
2. Delete only FCUBS and Installer Folder from the copied sources
3. Copy FCIS 12.0.1 sources on top of 12.0 sources available in local machine.
4. Change application name as FCIS in INSTALLER\SOURCE\config\installer.properties

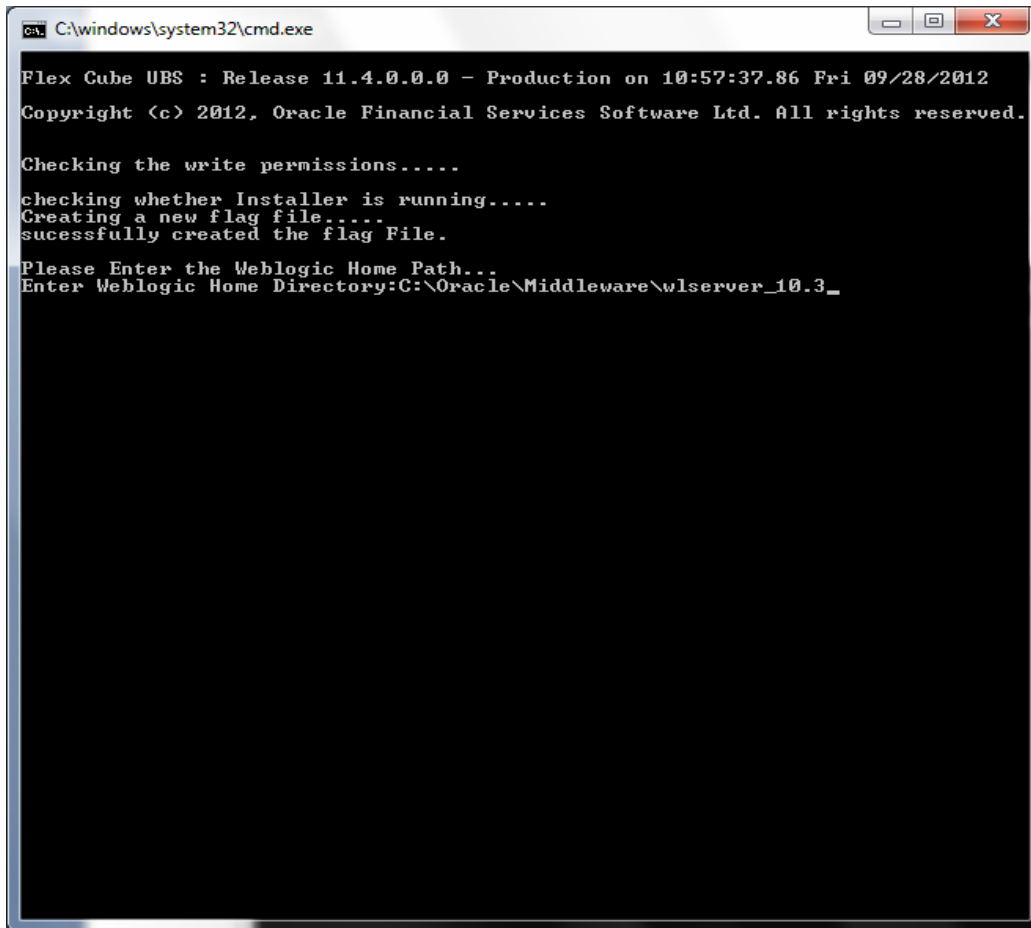
1.6 Running Installer On Windows

Now, the source folder in the local system will look like the one below.



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

1. Run the installer by double-clicking 'FCUBSInstaller.bat' from the installer source folder.
2. The following screen is displayed .



```
C:\windows\system32\cmd.exe
Flex Cube UBS : Release 11.4.0.0.0 - Production on 10:57:37.86 Fri 09/28/2012
Copyright (c) 2012, 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.

Please Enter the Weblogic Home Path...
Enter Weblogic Home Directory:C:\Oracle\Middleware\wlserver_10.3_
```

3. This screen prompts you to enter the Weblogic Home path. Enter the Weblogic Home Path and press 'Enter' key.
4. You get a prompt to enter the Java Home Path. Enter the Java Home Path and press 'Enter' key.


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

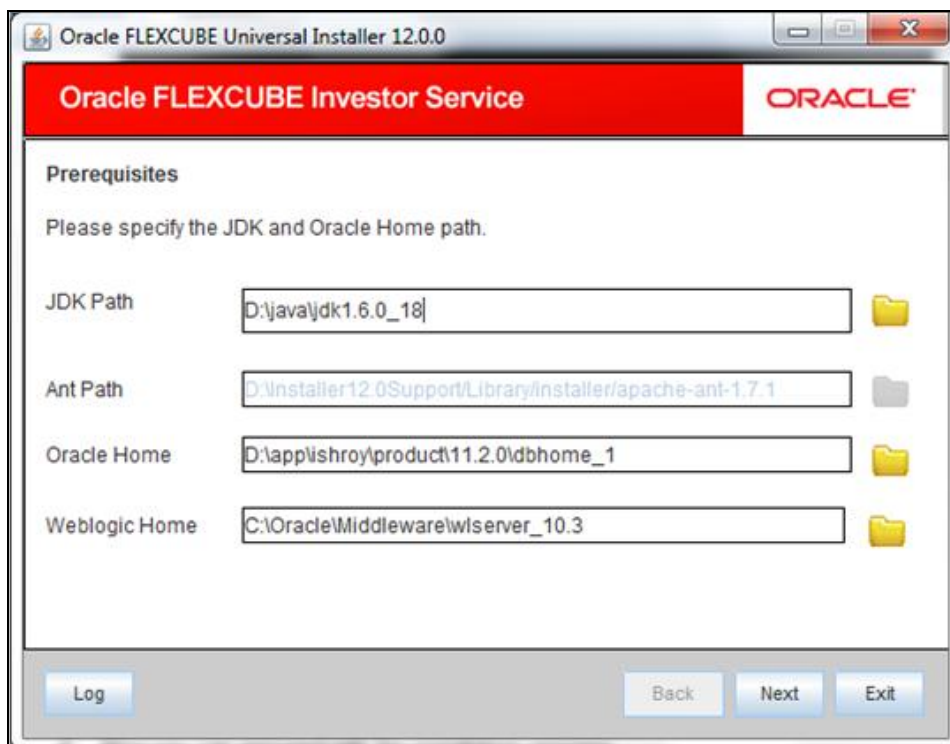
Flex Cube UBS : Release 11.4.0.0.0 - Production on 11:03:53.70 Fri 09/28/2012
Copyright (c) 2012, Oracle Financial Services Software Ltd. All rights reserved.

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

Please Enter the Weblogic Home Path...
Enter Weblogic Home Directory:C:\Oracle\Middleware\wlserver_10.3
Jar to be copied from C:\Oracle\Middleware\wlserver_10.3\server\lib\ojdbc6.jar
Copying jars into the Library...
1 file(s) copied.
Initializing the errorLevel to 0

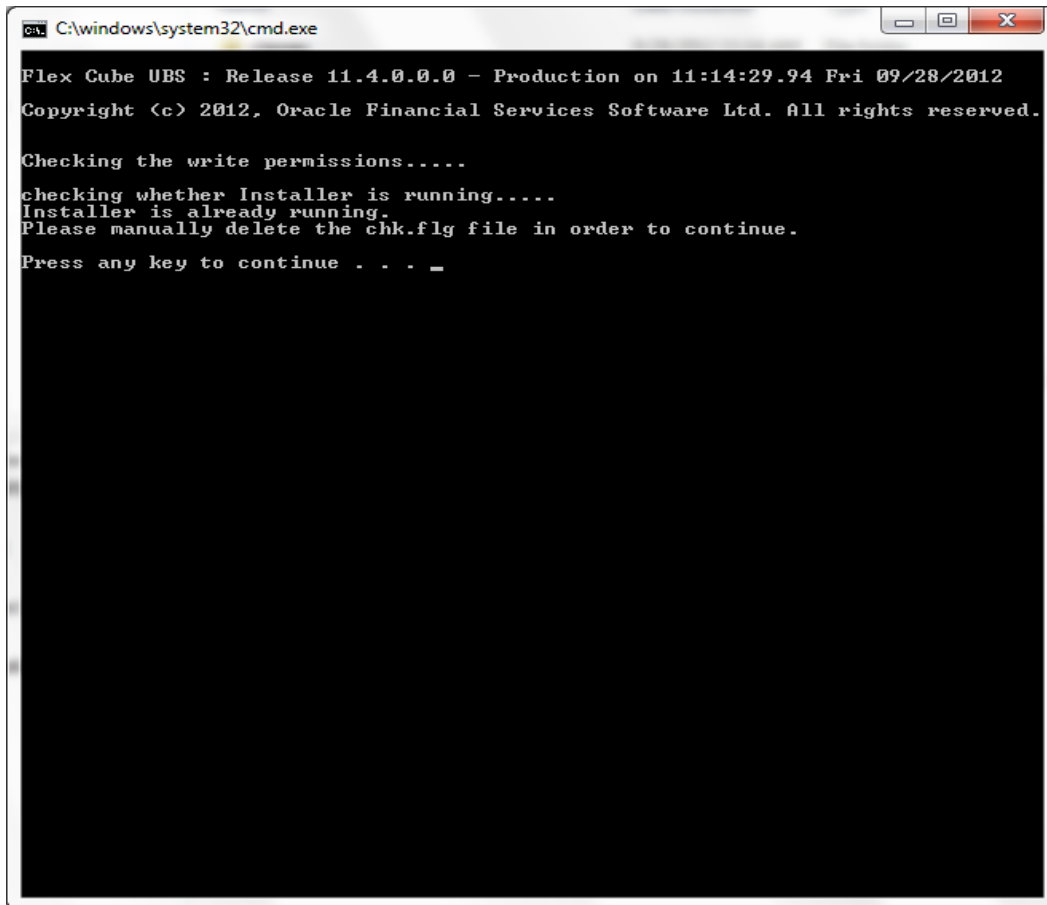
Checking Java Home.....
Unable to Find Java Home.
Please input Java path [Example: D:\Program Files\Java\jdk1.6.0_17]
Enter JAVA HOME Directory: D:\Java\jdk1.6.0_18_
```

5. The Welcome screen is displayed.



6. Now you can proceed with the installation process.

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

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\windows\system32\cmd.exe'. The command prompt displays the following text:

```
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 . . . _
```

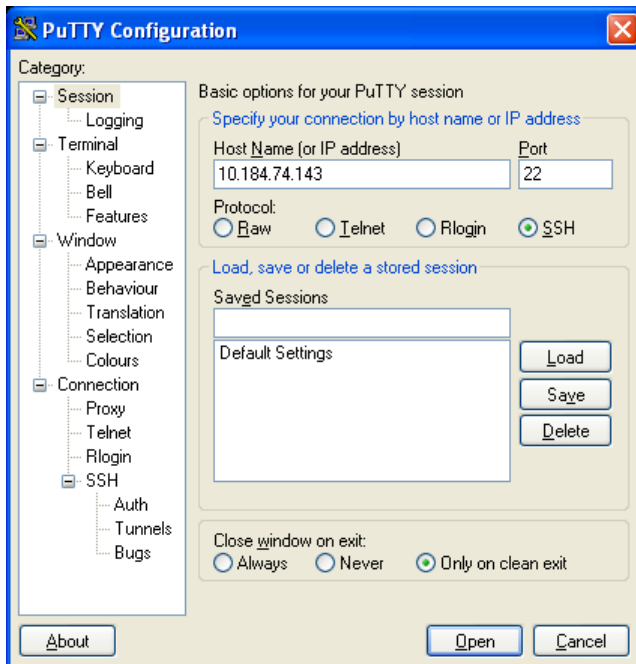
In this case, you have to delete the file 'chk.flg', created in the installer sources and again re-launch the Installer.

1.7 **Running Installer on UNIX/LINUX**

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

1.7.1 **Login into PUTTY**

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



Provide the following details:

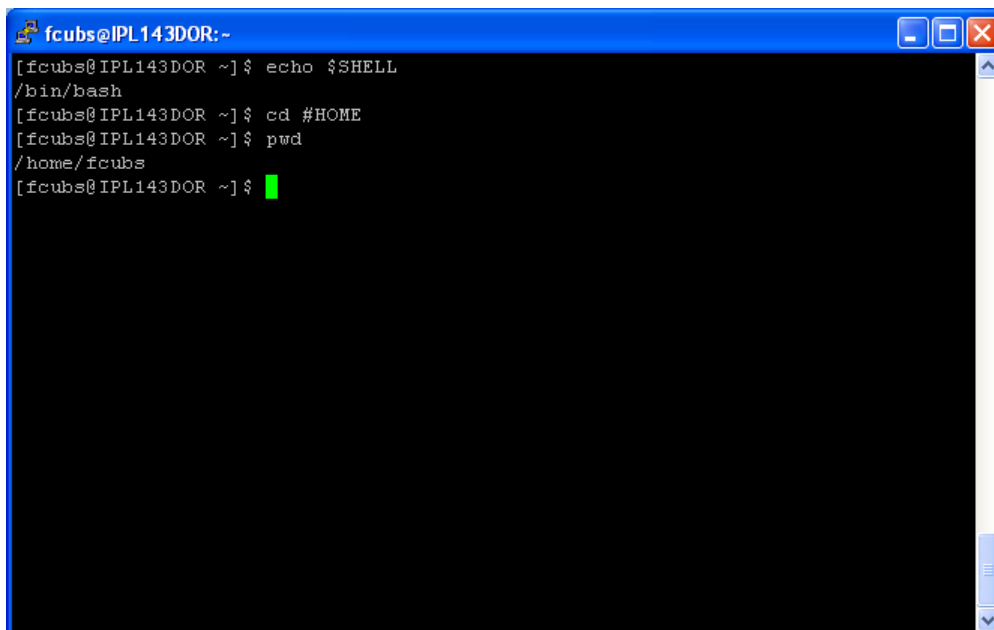
Host Name

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

Protocol

Select SSH as the protocol.

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



Enter 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

1.7.2 Exporting Enviroment Variables

You can export the environment variables in UNIX by modifying the '.bash_profile' file. Use the following command to find out the .bash_profile file type.

\$ find . -user <username> -type f -name '.bash_profile*'

You need to edit .bash_profile based on the details given below. If the .bash_profile file does not exist, you need to create it.

Note: It is mandatory to set JAVA_HOME

For Example: JAVA_HOME='/usr/java/jdk1.6.0_18'

export JAVA_HOME

1.7.2.1 For Gateway Webservice Building

The server home location is changes with the server. For,

a. For ORACLE WEBLOGIC SERVER:

WL_HOME: Give the oracle weblogic installed location

For Example: WL_HOME='/oraint1/web1034/Oracle/Middleware/wlserver_10.3'

export WL_HOME

b. For IBM WEBSHERE SERVER:

WAS_HOME: Give the IBM websphere installed location.

For Example: WAS_HOME='/oraint1/IBM/WebSphere/AppServer1'

export WAS_HOME

1.7.2.2 For Database Installation

a. For Path variable

You need to edit 'Path' system variable and append Oracle Home path.

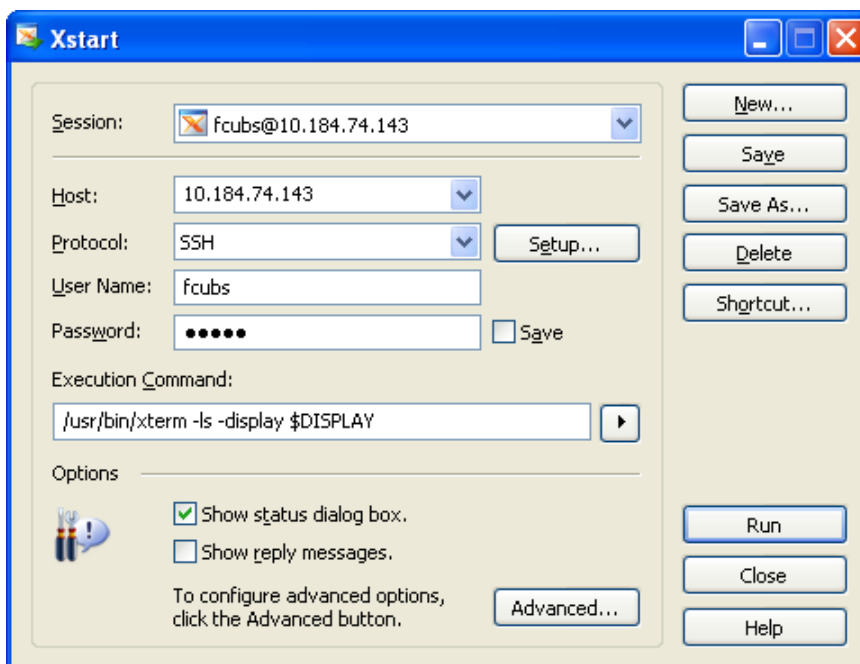
Notes:

- To check the PATH variable in the Unix system, you need to enter the following command:
\$ echo \$PATH
- To append a directory to the PATH variable, you need to enter the following command:
\$ export PATH = \$PATH:/Java/jdk1.6.0_18/bin:/Oracle10gClient/bin;

1.7.3 Running Installer through XManager

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



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

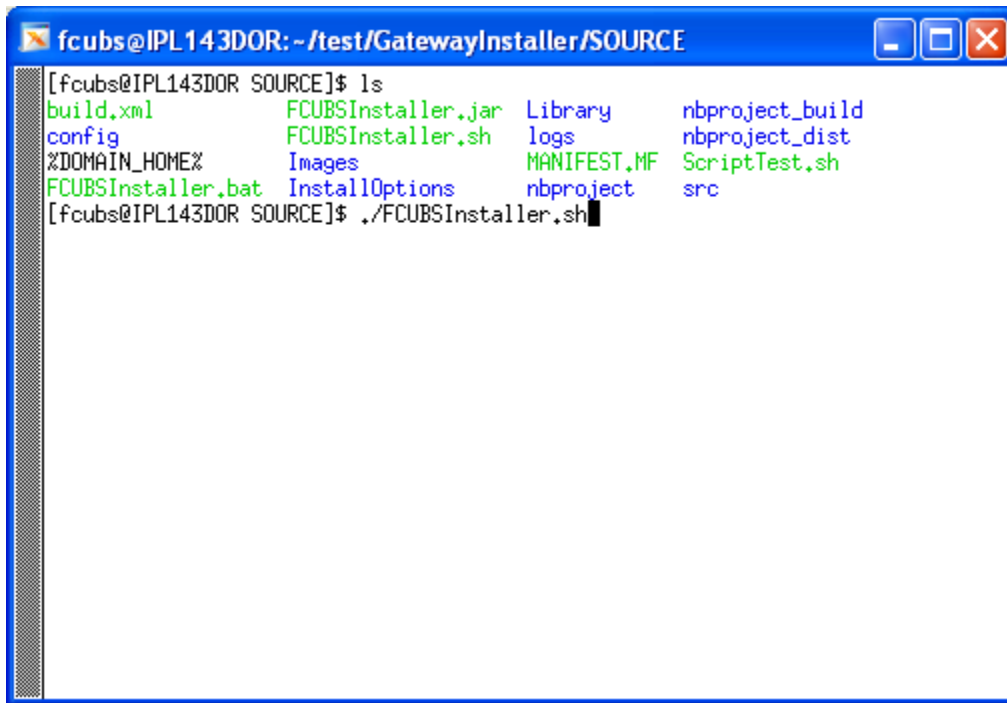
Specify the password for the UNIX user name.

Excution Command

Specify the execution command based on the operating system.

Operating System	Execution Command
Oracle Enterprise 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

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

A terminal window titled 'fcubs@IPL143DOR: ~/test/GatewayInstaller/SOURCE'. The window shows the output of the 'ls' command, listing files and directories in a four-column format. The files listed are build.xml, FCUBSInstaller.jar, Library, nbproject_build, config, FCUBSInstaller.sh, logs, nbproject_dist, %DOMAIN_HOME%, Images, MANIFEST.MF, ScriptTest.sh, FCUBSInstaller.bat, InstallOptions, nbproject, and src. The prompt then shows the command './FCUBSInstaller.sh' being entered.

```
[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
```

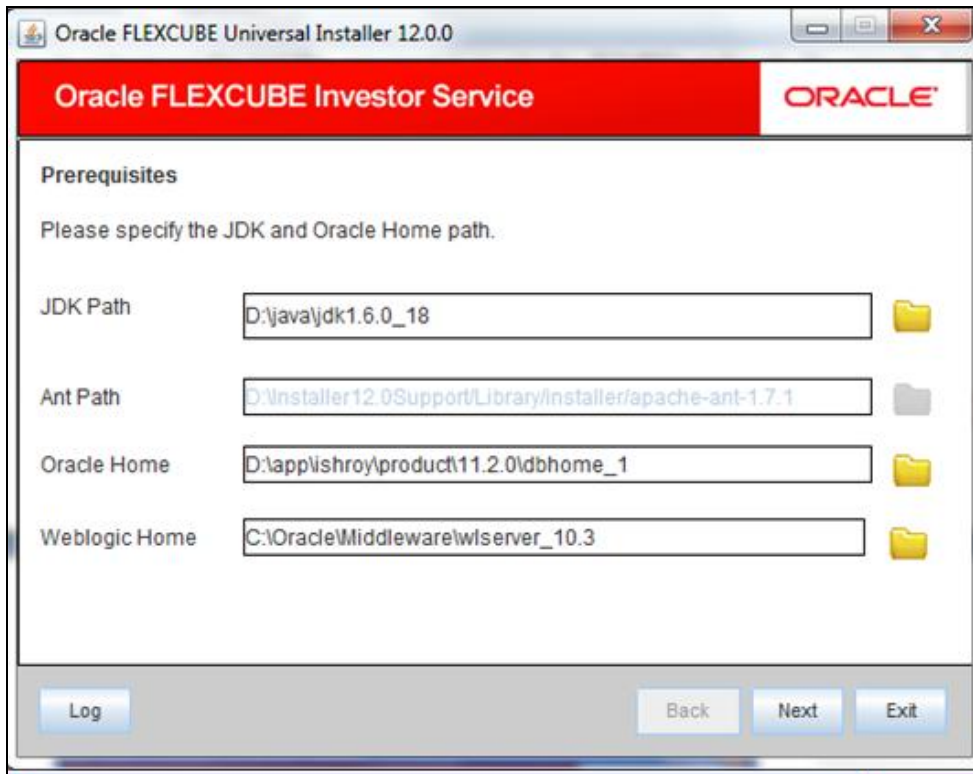
Use the following command to list the files present in the directory:

ls

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

./FCUBSInstaller.sh

This command starts the installer. The following screen is displayed.



Now you can continue with the installation process.

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

1.8 Running Installer in Silent Mode

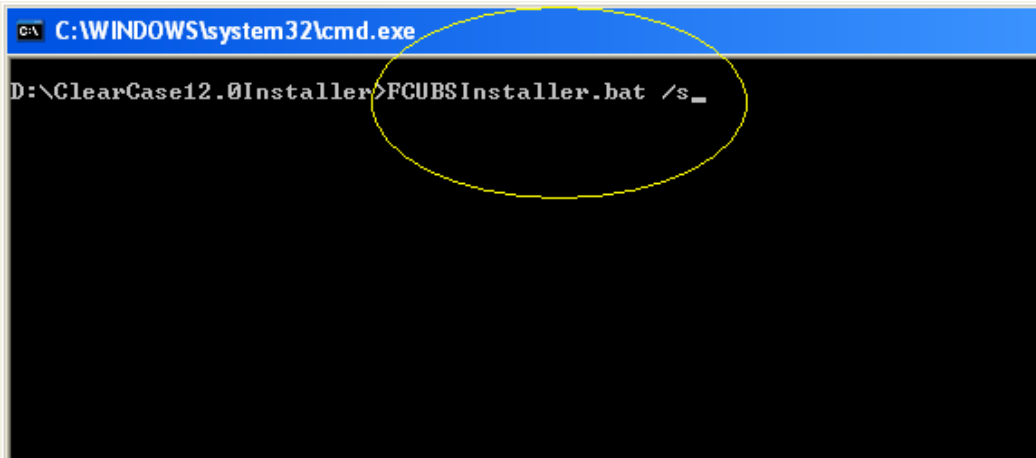
This section describes the method to run Oracle FLEXCUBE Investor Servicing Installer in silent mode.

In order to run Oracle FLEXCUBE Investor Servicing Installer in silent mode, you need to create the following properties files:

- 'silentConfigBuild.properties' to build Application in silent mode
- 'silentConfigDatabase.properties' to setup Database in silent mode

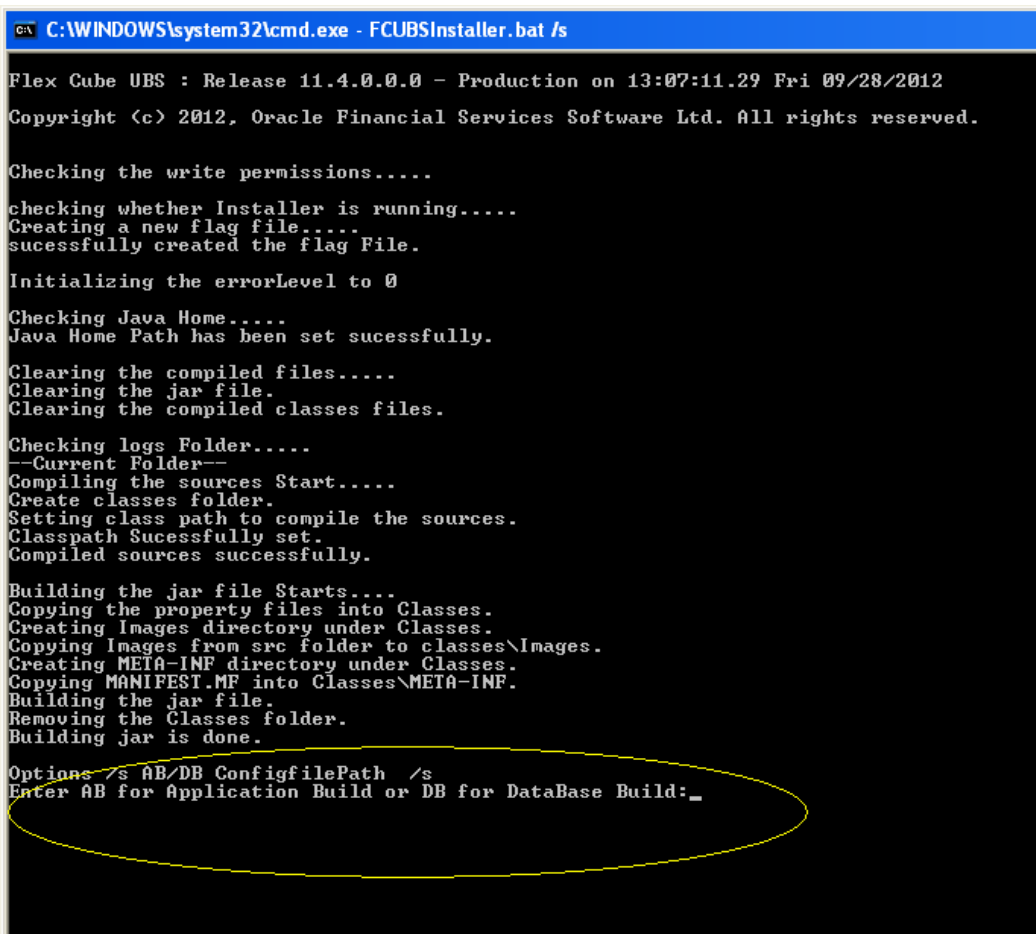
Follow the steps given below to run the installer in silent mode:

1. In command prompt, navigate to the folder where the 'FCUBSInstaller.bat' is located.



```
C:\ C:\WINDOWS\system32\cmd.exe
D:\ClearCase12.0\Installer>FCUBSInstaller.bat /s_
```

Enter the command with 's' to start the installer.



```
C:\ C:\WINDOWS\system32\cmd.exe - FCUBSInstaller.bat /s
Flex Cube UBS : Release 11.4.0.0.0 - Production on 13:07:11.29 Fri 09/28/2012
Copyright (c) 2012, 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.....
Java Home Path has been set sucessfully.

Clearing the compiled files.....
Clearing the jar file.
Clearing the compiled classes files.

Checking logs Folder.....
--Current Folder--
Compiling the sources Start.....
Create classes folder.
Setting class path to compile the sources.
Classpath Sucessfully set.
Compiled sources successfully.

Building the jar file Starts....
Copying the property files into Classes.
Creating Images directory under Classes.
Copying Images from src folder to classes\Images.
Creating META-INF directory under Classes.
Copying MANIFEST.MF into Classes\META-INF.
Building the jar file.
Removing the Classes folder.
Building jar is done.

Options /s AB/DB ConfigfilePath /s
Enter AB for Application Build or DB for DataBase Build:_
```

2. Enter AB for Application Build or DB for Database Build and press 'Enter' key.

```
C:\WINDOWS\system32\cmd.exe - FCUBSInstaller.bat /s
Flex Cube UBS : Release 11.4.0.0.0 - Production on 13:07:11.29 Fri 09/28/2012
Copyright (c) 2012, 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.....
Java Home Path has been set sucessfully.

Clearing the compiled files.....
Clearing the jar file.
Clearing the compiled classes files.

Checking logs Folder.....
--Current Folder--
Compiling the sources Start.....
Create classes folder.
Setting class path to compile the sources.
Classpath Sucessfully set.
Compiled sources sucessfully.

Building the jar file Starts....
Copying the property files into Classes.
Creating Images directory under Classes.
Copying Images from src folder to classes\Images.
Creating META-INF directory under Classes.
Copying MANIFEST.MF into Classes\META-INF.
Building the jar file.
Removing the Classes folder.
Building jar is done.

Options /s AB/DB ConfigfilePath /s
Enter AB for Application Build or DB for DataBase Build:AB
Enter Valid Path of Configuration file:D:\ClearCase12.0\Installer\config\silentConfigBuild.properties
```

3. Enter the valid Path of the silent configuration build properties file. If you have given AB, then you need to give the path of 'silentConfigBuild.properties'. If you have given DB, then you need to give the path of 'silentConfigDatabase.properties' file. Press 'Enter' key to continue.

```
C:\WINDOWS\system32\cmd.exe
Flex Cube UBS : Release 11.4.0.0.0 - Production on 13:07:11.29 Fri 09/28/2012
Copyright (c) 2012, 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.....
Java Home Path has been set sucessfully.

Clearing the compiled files.....
Clearing the jar file.
Clearing the compiled classes files.

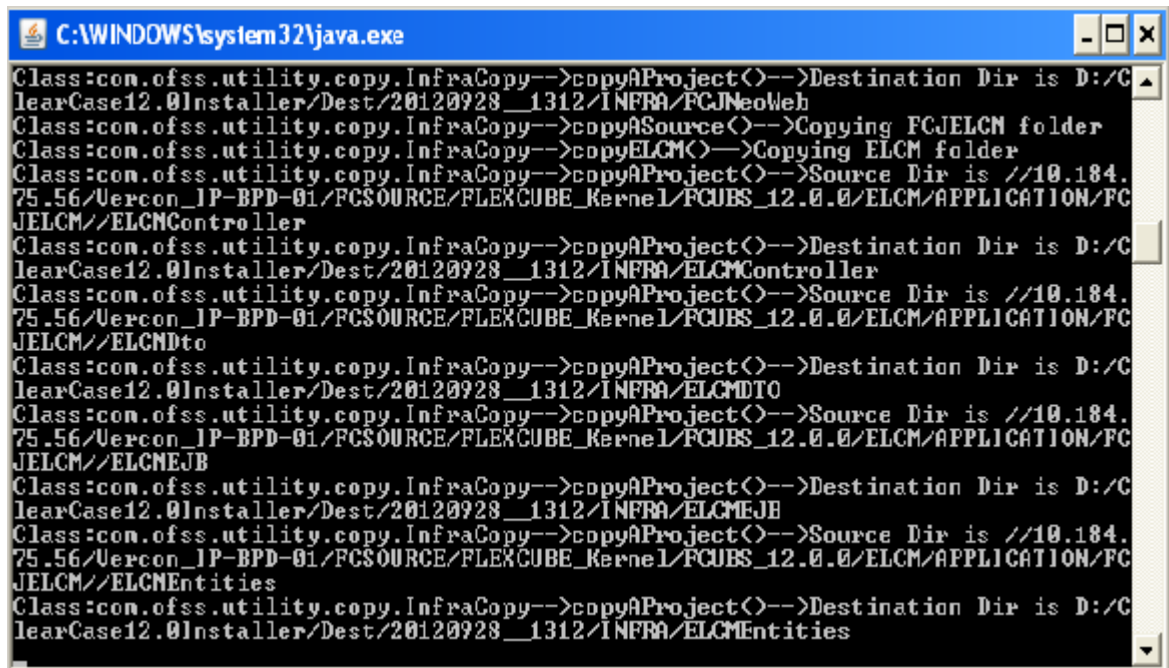
Checking logs Folder.....
--Current Folder--
Compiling the sources Start.....
Create classes folder.
Setting class path to compile the sources.
Classpath Sucessfully set.
Compiled sources sucessfully.

Building the jar file Starts....
Copying the property files into Classes.
Creating Images directory under Classes.
Copying Images from src folder to classes\Images.
Creating META-INF directory under Classes.
Copying MANIFEST.MF into Classes\META-INF.
Building the jar file.
Removing the Classes folder.
Building jar is done.

Options /s AB/DB ConfigfilePath /s
Enter AB for Application Build or DB for DataBase Build:AB
Enter Valid Path of Configuration file:D:\ClearCase12.0\Installer\config\silentConfigBuild.properties
Running Installer.....
"SOFT"
Running in Silent Mode
Deleting the Flag file chk.flg
D:\ClearCase12.0\Installer>
```

4. The installer starts running in silent mode.

5. 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/FCJELCM
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/PCSOURCE/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/PCSOURCE/FLEXCUBE_Kernel/FCUBS_12.0.0/ELCM/APPLICATION/FC
JELCM//ELCMDto
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/ELCMDTO
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Source Dir is //10.184.
75.56/Uercon_IP-BPD-01/PCSOURCE/FLEXCUBE_Kernel/FCUBS_12.0.0/ELCM/APPLICATION/FC
JELCM//ELCMEJB
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Destination Dir is D:/C
learCase12.0\Installer\Dest/20120928__1312/INFRA/ELCMEJB
Class:con.ofss.utility.copy.InfraCopy-->copyAProject()-->Source Dir is //10.184.
75.56/Uercon_IP-BPD-01/PCSOURCE/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
```

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

1.8.1 Running Installer in Silent Mode on LINUX

In order to run Oracle FLEXCUBE Investor Services installer in silent mode on LINUX, use the following command

```
sh FCUBSInstaller.sh /s AB <INSTALLER>\config\silentConfigBuild.properties
```

2. Troubleshooting

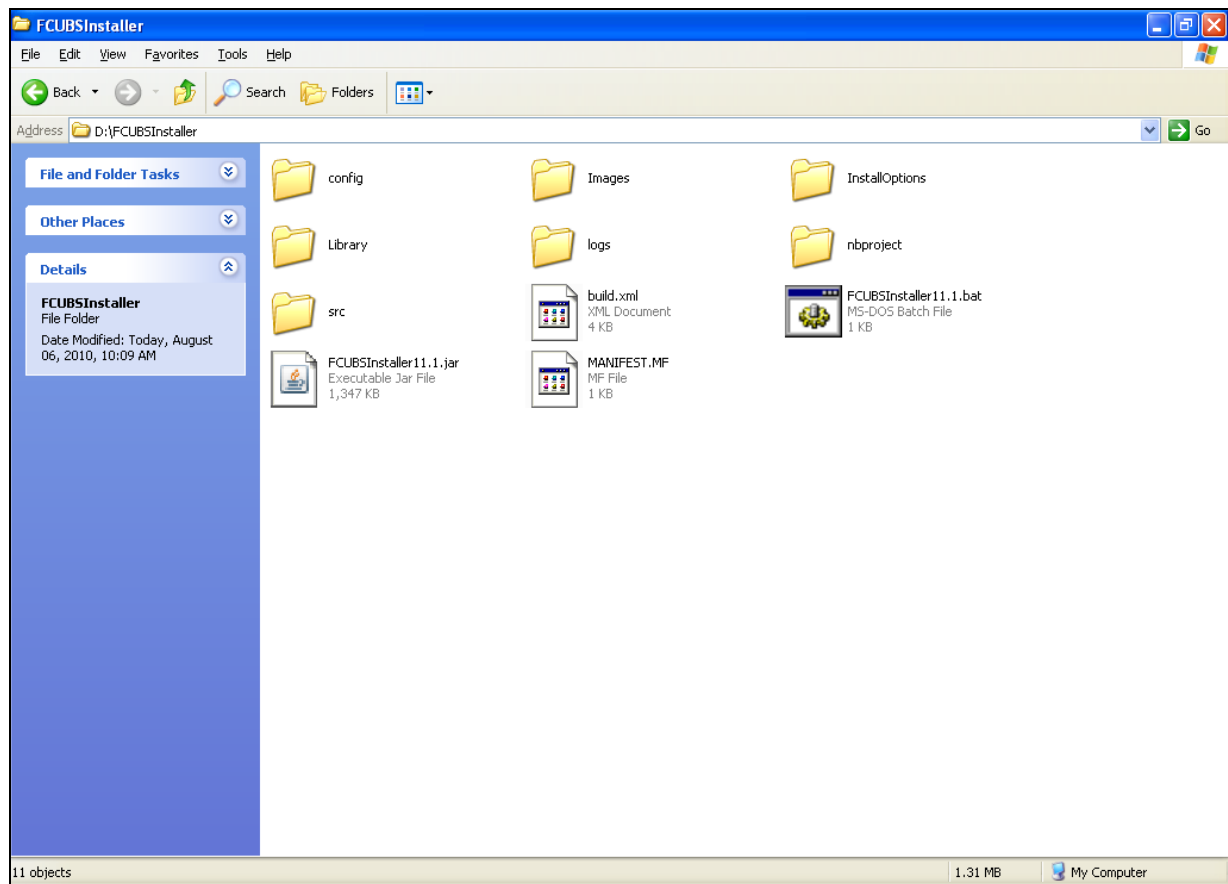
2.1 Introduction

This chapter guides you through the troubleshooting methods while installing Oracle FLEXCUBE Investor Servicing. You can follow the methods described here to figure out the error and then troubleshoot it.

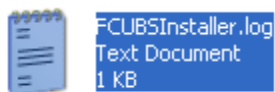
2.2 Checking Logs

If you get an error message while doing an Oracle FLEXCUBE Investor Servicing Installation activity, you can check the log file to figure out the part of the code that caused the error. The log contains detailed information about executed methods and the type of error, if any.

In order to check the log file, go to the folder 'logs' in the Oracle FLEXCUBE Investor Servicing Installer source in the local system.



Inside the folder, you will find the log file 'FCUBSInstaller.log'. This file contains detailed information about the methods executed.

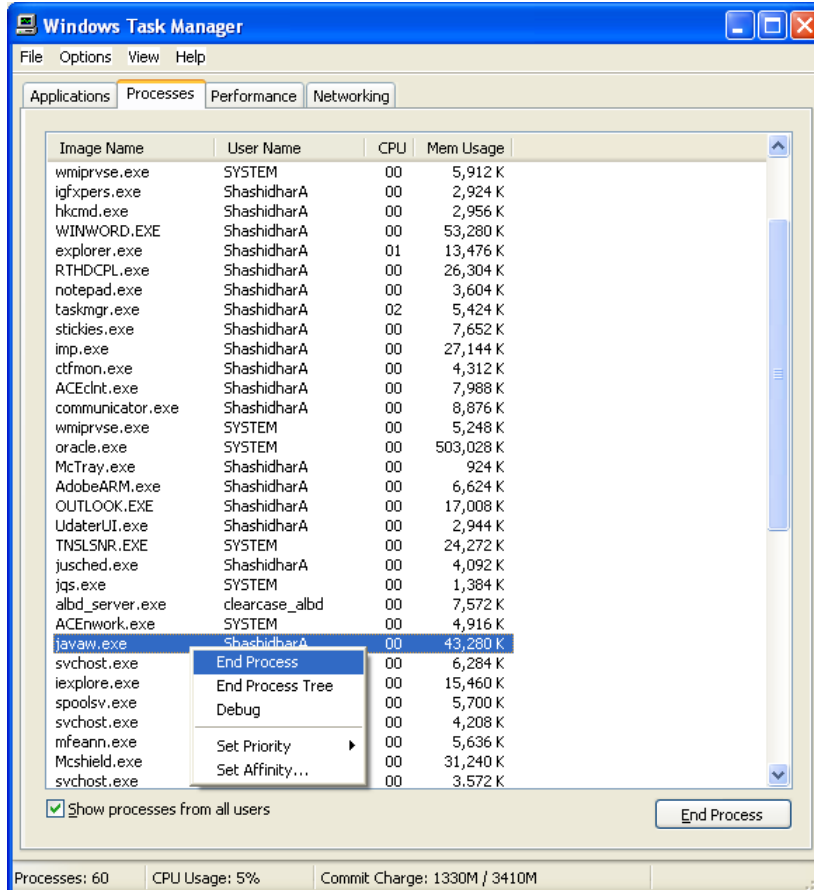


2.3 Abrupt Exit from Installer (Windows Only)

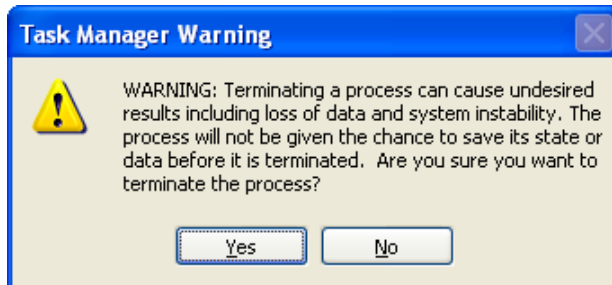
In case for some reason the Oracle FLEXCUBE Investor Servicing Installer hangs and you are not able to proceed further, you may need to exit the Installer and restart the process. If you exit the Installer when it is hung, the application will be closed but the process will still be running in the background. In case of abrupt exits, you need to manually end the process running in the background.

Follow the steps given below:

1. Exit Installer.
2. Open 'Task Manager'. Go to 'Processes' tab and find 'javaw.exe' process.



3. Right-click the 'javaw.exe' process and click 'End Process'. Windows shows a warning message.



4. Click 'Yes' to accept the message.

This will end all the processes initiated by Oracle FLEXCUBE Investor Servicing Installer. This action will also delete the log files or the Destination Directory files which the Oracle FLEXCUBE Investor Servicing Installer has accessed earlier.

Note that you need to delete the file **chk.flg** from the Installer Source directory before restarting the Installer.

2.4 Installer Configuration

Using Oracle FLEXCUBE Investor Servicing Installer, you may install Executable FCIS_12.0.1.

For installing Executable FCIS_12.0.1, you need to use the INSTALLER sources from the executable shipment location.

In EXEC mode, the Installer sources will not have the folder '/INSTALLER/SOURCE/src/com'. In that case, you can run the Installer in EXEC mode



Setting up Oracle FLEXCUBE Investor Servicing Installer
May [2013]
Version 12.0.1.1.3

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/

Copyright © [2007], [2013], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

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 and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

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.