Setting up Oracle FLEXCUBE Installer Oracle FLEXCUBE Universal Banking Release 12.0 [May] [2012]





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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 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 following components for setting up the Oracle FLEXCUBE Installer.

1.3.1 Prerequisites for Installer

You need to use the files listed in the following table for running the installer.

Component	License Information	Download Location	Instructions
JDK	JDK is distributed by Sun Microsystems, Inc under the Java Development Kit Binary Code License Agreement.	http://www.oracle.com/techn etwork/java/javase/downloa ds/index-jdk5-jsp- 142662.html	You need to download JDK version 1.6.0_24 and set it as the environmental variable.
Apache Ant 1.7.1	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file ' apache- ant-1.7.1-bin.zip ' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/ant/binaries/</u> For UNIX, you need to download the file ' apache- ant-1.7.1-bin.tar ' from the same URL.	Extract the file 'apache-ant- 1.7.1-bin.zip' and provide the location for setting the environmental variables. For UNIX, extract the file 'apache-ant-1.7.1-bin.tar' using the following command: 'tar -xvf apache-ant-1.7.1- bin.tar' Further, provide the location for setting the environmental variables.
Oracle 11g			For database installation, you need to intall the latest version



Component	License Information	Download Location	Instructions
Client			of Oracle 11g Client (11gR1 or 11gR2) in the system.
Swing Layout	Lesser General Public License (LGPL 2.1)	Download the netbeans 7.0 from the following URL: http://netbeans.org/downloa ds/index.html Refer to the section '1.3.2.3Installing NetBeans 7.0' in this chapter for details. Netbeans can be uninstalled after copying swing-layout- 1.0.4.jar	Copy the 'swing-layout- 1.0.4.jar' from <netbeans_installedar EA>\platform\modules\ext which is found in the NetBeans installed location to the following directory: {INSTALLER_DIR}\Library\inst aller Refer to the section 'Installing NetBeans 7.0' in this chapter for details.</netbeans_installedar
Log4J 1.2.15	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file ' apache- log4j-1.2.15.zip ' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/logging/log4j/1.2.15/</u>	Extract 'Log4j 1.2.15' and copy the file ' log4j-1.2.15.jar ' to the following directory: {INSTALLER_DIR}\Library\inst aller
Apache Xerces2-J 2.8.1	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file ' Xerces- J-bin.2.8.1.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/xml/xerces-j/</u>	Extract 'Xerces2-J' and copy the files ' xercesImpI.jar ' and ' xmI-apis.jar ' to the following directory: {INSTALLER_DIR}\Library\com mon
Apache Commons IO 1.3	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-io-1.3.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/io/binaries/</u>	Extract 'Commons IO 1.3' and copy the file 'commons-io- 1.3.jar' Into the following directory: {INSTALLER_DIR}\Library\com mon
Oracle 11g Database Driver (11.2.0.2.0)	License provided by Oracle Corporation	Download the file 'ojdbc6.jar ' from the following URL: <u>http://www.oracle.com/techn</u> <u>ology/software/tech/java/sqlj</u> <u>jdbc/htdocs/jdbc_111060.h</u> <u>tml</u>	Copy the file 'ojdbc6.jar' to the following directory: {INSTALLER_DIR}\Library\com mon



1.3.1.1 Installing NetBeans 7.0

Download and install 'NetBeans 7.0. This is required for extracting the component 'Swing Layout'.

The license information and download instructions for NetBeans are available in the section 'Prerequisites for Installer' in this chapter.

1. Once the download is complete, run 'netbeans-7.0-ml-javase-windows.exe'. You will see the following screen.

Open File - Security Warning 🛛 🔀		
The publisher could not be verified. Are you sure you want to run this software?		
	Name: netbeans-7.0-ml-javase-windows.exe	
	Publisher: Unknown Publisher	
	Type: Application	
	From: C:\Documents and Settings\karthikbe\My Documen	
	<u>B</u> un Cancel	
🗹 Al <u>w</u> a	ys ask before opening this file	
8	This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust. <u>How can I decide what software to run?</u>	

2. Click 'Run'. The 'Welcome' screen is displayed.



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





4. Go through the licence information. Accept the licence agreement and click 'Next'. The JUnit license agreement is displayed.

JUnit License Agreement Please read the following license agreement carefully. JUnit Common Public License - v 1.0 THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT. 1. DEFINITIONS "Contribution" means: a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and b) in the case of each subsequent Contributor: JUnit is a Java unit testing framework	🎓 NetBeans IDE Installer	
JUnit Common Public License - v 1.0 THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT. 1. DEFINITIONS "Contribution" means: a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and b) in the case of each subsequent Constitutor: JUnit is a Java unit testing framework	JUnit License Agreement Please read the following license agreement carefully.	😵 NetBeans IDE
	JUnit Common Public License - v 1.0 THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT. 1. DEFINITIONS "Contribution" means: a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and b) in the case of each subsequent Contributor: JUnit is a Java unit testing framework • I accept the terms in the license agreement. Install JUnit	
Do not install JUnit Sack Next > Cancel	O Do not install JUnit	ext > Cancel

1. Read the licence terms. Select 'I accept the terms in the license agreement. Install JUnit' and click 'Next'.



📦 NetBeans IDE Installer	
NetBeans IDE 7.0 Installation Choose the installation folder and JDK™.	S NetBeans IDE
Install the NetBeans IDE to:	
D:\Program Files\NetBeans 7.0	Browse
]DK™ for the NetBeans IDE:	
D:\Program Files\Java\jdk1.6.0_17	Browse
	< <u>B</u> ack <u>N</u> ext > Cancel

2. Specify the following details:

Install the NetBeans IDE to

Specify the folder in which you need to install the NetBeans IDE. You can use the 'Browse' button to choose a directory.

JDK for the NetBeans IDE

Specify the folder where JDK is installed. You can use the 'Browse' button to choose a directory.

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



4. Verify the details given in the summary. Click 'Install' to begin the installation.



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



- 6. Click 'Finish'. This complete the NetBeans installation process.
- 7. Now, go to the NetBeans installation directory and copy the file 'swing-layout-1.0.4.jar' to the Oracle FLEXCUBE installation directory.

JAR File Name	Copy from	Copy to
swing-layout- 1.0.4.jar	{NETBEANS_INSTALLATION_DIR}\pl atform\modules\ext	{INSTALLER_DIR}\Library\application

1.3.2 Prerequisites for Oracle FLEXCUBE Host

You need to use the files listed in the following table for the Oracle FLEXCUBE Host.

Component	License Information	Download Location	Instructions
JEE 5 SDK	License information is displayed while downloading and installing JEE 5 SDK. This license agreement is different from the Sun JDK 5.0 or JDK 6.0 license agreements or any third party licenses for	Download JEE 5 SDK from the Sun Java EE Download Center at the following URL: <u>http://java.sun.com/javaee/d</u> <u>ownloads/</u> Oracle FLEXCUBE does not support Java EE 6 SDK. You need to download JEE 5 SDK for Oracle	While downloading process a suitable platform for installation of the JEE 5 SDK needs to be chosen – Windows, Solaris and Linux are available. The license agreement for JEE 5 SDK is also made available at this juncture. You need to download JDK version 1.6.0_24 and set it as
	components for JEE 5 SDK. The license agreement	FLEXCUBE Host.	Details are available in this document.
	is for the Sun		file 'javaee.jar' to the folder



Component	License Information	Download Location	Instructions
	GlassFish Enterprise Server, which is bundled with the SDK. Oracle FLEXCUBE does not require this application server. During the build process, Oracle FLEXCUBE requires certain JAR files that are available under this license.		'{INSTALLER_DIR}\Library\app lication'. Refer to the section 'Installing JEE 5 SDK' in this chapter for details.
Apache Xerces2-J 2.8.1	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file ' Xerces- J-bin.2.8.1.zip ' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/xml/xerces-j/</u>	Extract 'Xerces2-J'. Copy the file 'resolver.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication Copy the files 'xercesImpl.jar' and 'xml-apis.jar' to the following directory: {INSTALLER_DIR}\Library\com mon
Apache Xalan-J 2.7.0	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file ' xalan- j_2_7_0-bin.zip ' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/xml/xalan-j/</u>	Extract the Xalan 2.7.0 and copy the files 'serializer.jar' and 'xalan.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons Fileupload 1.2	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file 'commons-fileupload-1.2- bin.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/fileupload/binari</u> <u>es/</u>	Extract the Commons Fileupload 1.2 and copy the file 'commons-fileupload-1.2.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication

1.3.2.1 Indirect Dependencies

Following are the indirect dependancies:

Component	License Information	Download Location	Instructions
Apache Commons IO 1.3	Apache license version 2.0 is available at the following URL: http://www.apache.org/	Download the file 'commons-io-1.3.zip' from the following URL: http://archive.apache.org/dis	Extract 'Commons IO 1.3' and copy the file 'commons-io- 1.3.jar' to the following directory:



Component	License Information	Download Location	Instructions
	licenses/LICENSE-2.0	t/commons/io/binaries/	{INSTALLER_DIR}\Library\com mon
Apache POI FINAL	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file ' poi-bin- 3.2-FINAL-20081019.zip ' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/poi/release/bin</u>	Extract 'poi-bin-3.2-FINAL- 20081019.zip' and copy the file 'poi-bin-3.2-FINAL- 20081019.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication

1.3.2.2 Installing JEE 5 SDK

You need to download and install JEE 5 SDK for using Oracle FLEXCUBE Host.

The license information and download instructions for JEE 5 SDK are available in the section 'Prerequisites for Oracle FLEXCUBE Host' in this chapter.

Follow the steps given below:

- 1. Download JEE 5 SDK. The instructions for download are available under section 'Prerequisites for Oracle FLEXCUBE Host'.
- 2. Launch the JEE 5 SDK executable to start the installation process. The following screen is displayed.

🌆 Java EE 5 SDK Upc	late 7 Installation Wizard 📃 🗖 🔀
	Welcome Welcome to the Java Platform, Enterprise Edition 5 SDK Installation Wizard. This program will install the Java Platform. Enterprise Edition 5 SDK on your
Java [™] EE 5 SDK	computer.
& <u>Sun</u> .	
	& Back Next > Cancel Help



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

🚺 Java EE 5 SDK Up	date 7 Installation Wizard	
	Software License Agreement	
	Sun Microsystems, Inc. ("Sun") ENTITLEMENT for SOFTWARE	
lava"	Licensee/Company: Entity receiving Software.	
EE 5 SDK	Effective Date: Date of delivery of the Software to You.	
	Software: Java Platform, Enterprise Edition 5 SDK Update 7, which includes the following:	
	(i) Sun GlassFish Enterprise Server v2.1, (ii) Java Platform, Enterprise Edition 5 Samples, (iii) Java BluePrints, (iv) API Documentation, and (v) Your First Cup: An Introduction to the Java EE Platform	
	License Term: Perpetual (subject to termination under the SLA).	_
Sun.	Do you agree with the terms of this license?	
	• Yes	
	O No	
		Help

4. Read the Software License Agreement. If you agree to the terms and conditions, choose 'Yes' and click 'Next'. The following screen is displayed.

🔝 Java EE 5 SDK Update 7 Installation Wizard		
	Select Installation Directory	
Java™ EE 5 SDK	Disunisuk	Browse
& <u>Sun</u> .		
	Back Next Next	Cancel Help



5. Specify the location of the Installation Directory. You can use the 'Browse' button to browse the installation directory. After specifying the installation directory, click 'Next'.

🚮 Java EE 5 SDK Upo	date 7 Installation Wizard	
	JDK Required The Sun Java System Application Server requires a JDK. Please provide the path to a JDK version 5.0 or greater	
Java™ EE 5 SDK	JDK Location: D:\Program Files\Java\jdk1.6.0	Browse)
Sun.		
	≪ Back Next ≫	Cancel Help

The following screen is displayed.

6. Specify the JDK Location. You can use the 'Browse' button to browse the JDK location. After specifying the JDK location, click 'Next'.



The following screen is displayed.

🌆 Java EE 5 SDK Upd	ate 7 Installation Wizard		
	Admin Configuration		
	Admin User Name: Password (min 8 chars.):	admin	
Java™	Re-enter Password:	******	
EE 5 SDK	Don't Prompt for Admin U	Iser Name and Password	
	The admin user name and j home directory and will not functions.	bassword will be stored in . have to be provided when _i	asadminpass file in user's performing admin
	C Prompt for Admin User N	ame and Password	
	The admin user name and j admin functions.	password must be provided	d when performing all
∞ Sun	Admin Port: 4848 HTTP Port: 8080		
* nicrogateris			
	≪ Back Next ≫		Cancel Help

- 7. Specify the administrator user nameProvide the administrator password and choose the option to Don't prompt for Administrator User Name.
- 8. Click 'Next'. The following screen is displayed.





9. Uncheck all options given on this screen and click 'Next'. The following screen is displayed.

🚺 Java EE 5 SDK Upd	ate 7 Installation Wizard
	Ready to Install
	The following items for the product Java Platform, Enterprise Edition 5 SDK will be installed:
Java™	Product: Java Platform, Enterprise Edition 5 SDK
EE 5 SDK	Location: D:\Sun\SDK
	Space Required: 197.09 MB
	Sun Java System Message Queue 4.1
	Sun GlassFish Enterprise Server v2.1
	Sample Applications
	Java BluePrints
	Your First Cup: An Introduction to the Java EE Platform
Sun.	
	ୡ Back Install Now ≫ Cancel Help

10. This screen confirms that the installer is ready to install JEE 5 SDK and displays the details of installation. Click 'Install Now' button to proceed. The following screen is displayed.

🌃 Java EE 5 SDK Up	date 7 Installation Wizard
	Registration Options.
	C I don't have a Sun Online Account. Sign me up.
Java™	 I already have a Sun Online Account. User Name:
EE 5 SDK	Example: Jim123 or jim@company.com:
	Password:
	• Skip Registration
	Registration can later be done through Administration console and Update Center
Sun.	
	Next > Cancel Privacy Policy



11. Select 'Skip Registration' and click 'Next'. The following screen is displayed after installation.

🚺 Java EE 5 SDK Upo	late 7 Installation Wizard
	Installation Complete
Java™ EE 5 SDK	Next Steps: Access the following items under the Sun Microsystems -> Java EE 5 SDK program group in the Start Programs area of your desktop: > About Java EE 5 SDK A hands-on tour of the application server environment. - Start Default Server > Admin Console Use this tool to configure the application server. Click Finish to exit the installation program. Start Server
Sun.	
	Finish

- 12. Click 'Finish' to complete installation and exit the setup.
- 13. Now, go to the JEE 5 SDK installation directory and copy the file 'javaee.jar' to the Oracle FLEXCUBE installation directory.

JAR File Name	Copy from	Copy to
javaee.jar	{ <i>J2EE_SDK_INSTALLATION_DIR</i> }\\ib	{INSTALLER_DIR}\Library\application

Once the required file has been copied, you may uninstall Sun JEE 5 SDK.

1.3.3 <u>Prerequisites for Integrating Host and Reports</u>

This section contains the details of the JAR files required for deploying Oracle FLEXCUBE UBS Application with Oracle BI Reports.

Component	License Information	Download Location	Instructions
Apache Axis 1.4	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file ' axis-bin- 1_4.zip' from the following URL: <u>http://www.apache.org/dist/</u> <u>ws/axis/1_4/</u>	Extract 'Axis1.4'. Copy the files 'axis.jar', 'jaxrpc.jar' and 'wsdl4j-1.5.1.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication Copy the files 'commons- discovery-0.2.jar' and



Component	License Information	Download Location	Instructions
			'commons-logging-1.0.4.jar' to the following directory:
			{INSTALLER_DIR}\Library\appl ication
PDFBox 0.7.3	Berkeley Software Distribution (BSD). The license information is available inside the PDFBox distribution.	Download the file ' PDFBox- 0.7.3.zip ' from the following URL: <u>http://sourceforge.net/projec</u> <u>ts/pdfbox/</u>	Extract 'PDFBox 0.7.3' and copy the file 'PDFBox-0.7.3.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-reports

1.3.3.1 Indirect Dependencies

Following is the indirect dependancy:

Component	License Information	Download Location	Instructions
Fontbox 0.1.0	Berkeley Software Distribution (BSD). The license information is available inside the Fontbox distribution.	Download the file ' FontBox- 0.1.0.zip ' from the following URL: <u>http://sourceforge.net/projec</u> <u>ts/fontbox/</u>	Extract 'Fontbox 0.1.0' and copy the file 'FontBox-0.1.0.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-reports

1.3.4 Prerequisites for Integrating Host and Oracle SOA Suite 11g R1

This section contains the details of the JAR files required for deploying Oracle FLEXCUBE UBS Application with Oracle BPEL PM.

1.3.4.1 Oracle SOA Suite 11g R1

Install Oracle SOA Suite 11g R1.

1.3.4.2 Oracle BPEL PM Libraries

You need to copy certain JAR files from Oracle BPEL PM Libraries. Oracle BPEL PM Libraries are licensed and distributed by Oracle Corporation.

Once the installation of Oracle SOA Suite 11.1.1.2.0 is completed, copy the following JAR files from the respective directories as per the table below:

JAR File Name	Directory
bpm-infra.jar	<middleware_home>/ Oracle_SOA1/soa/modules/oracle.soa.fabric_11.1.2</middleware_home>
bpm-services.jar	<middleware_home>/Oracle_SOA1/soa/modules/oracle.soa.workflow_11.1.2</middleware_home>
orabpel.jar	<middleware_home>/Oracle_SOA1/soa/modules/oracle.soa.bpel_11.1.2</middleware_home>
xmlparserv2.jar	<middleware_home>/Oracle_SOA1/modules/oracle.xdk_11.1.2</middleware_home>



JAR File Name	Directory
xml.jar	<middleware_home>/Oracle_SOA1/modules/oracle.xdk_11.1.2</middleware_home>

Copy each file from their respective location to the following directory:

{INSTALLER_DIR}\Library\plugin-bpel

1.3.4.3 Oracle JPSProvider Libraries

You need to copy certain JAR files from Oracle JPSProvider Libraries. Oracle JPSProvider Libraries are licensed and distributed by Oracle Corporation.

Once the installation of of Oracle SOA suite 11.1.1.2.0 Application Server is completed, copy the following JAR files from the respective directories as per the table below:

JAR File Name	Directory
soa-infra- mgmt.jar	<middleware_home>/ Oracle_SOA1/soa/modules/oracle.soa.mgmt_11.1.2</middleware_home>
fabric- common.jar	<middleware_home>/ Oracle_SOA1/modules/oracle.fabriccommon_11.1.2</middleware_home>
identitystore.jar	<middleware_home>/Oracle_SOA1/modules/oracle.idm_11.1.2</middleware_home>
identityutils.jar	<middleware_home>/Oracle_SOA1/modules/oracle.idm_11.1.2</middleware_home>
jps-api.jar	<middleware_home>/Oracle_SOA1/modules/oracle.jps_11.1.2</middleware_home>

Copy each file from their respective location to the following directory:

{INSTALLER_DIR}\Library\plugin-bpel

1.3.5 Prerequisites for Integrating Host and Scheduler

This section contains the details of the JAR files required for deploying Oracle FLEXCUBE UBS Application with Notify Scheduler.

Component	License Information	Download Location	Instructions
Oracle 11g Database Driver (11.2.0.2.0)	Licensed and distributed by Oracle Corporation.	Download the file 'ojdbc6.jar ' from the following URL: <u>http://www.oracle.com/techn</u> <u>ology/software/tech/java/sqlj</u> <u>_jdbc/htdocs/jdbc_111060.h</u> <u>tml</u>	Copy the file 'ojdbc6.jar' to the following directory: {INSTALLER_DIR}\Library\com mon
Quartz 1.6.6 (Required if the	http://www.quartz- scheduler.org/docs/lice nse.html	Download the file ' quartz- 1.6.6.zip ' from the following URL:	Extract 'quartz-1.6.6.zip' and copy the file 'Quartz-1.6.6.jar' to the following directory:



Component	License Information	Download Location	Instructions
customer opts for Quartz as the scheduler)		http://www.quartz- scheduler.org/download/do wnload-catalog.html	{INSTALLER_DIR}\Library\plug in-quartz
Bouncy Castle 1.5 (Required in scheduler to encrypt SFMS messages)	http://www.bouncycastl e.org/licence.html	Download the files ' bcprov - jdk15-145.jar' and ' bcmail - jdk15-145.jar' from the following URL: <u>http://www.bouncycastle.org</u> /latest_releases.html	Copy the files 'bcprov-jdk15- 145.jar' and 'bcmail-jdk15- 145.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-crypto
Apache Commons Net 2.0	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-net-2.0.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/net/binaries/</u>	Extract 'Commons net 2.0' and copy the file 'commons-net- 2.0.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-quartz
Apache Commons Transaction 1.2	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-transaction- 1.2.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/transaction/binar</u> <u>ies/</u>	Extract 'Commons Transaction 1.2' and copy the file 'commons-transaction-1.2.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-quartz

1.3.6 Prerequisites for Integrating Host and DMS

This section contains the details of the JAR files required for deploying Oracle FLEXCUBE UBS Application with DMS.

Component	License Information	Download Location	Instructions
Apache Commons Fileupload 1.2	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file 'commons-fileupload-1.2- bin.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/fileupload/binari</u> <u>es/</u>	Extract 'Commons Fileupload 1.2' and copy the file 'commons-fileupload-1.2.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Quartz 1.6.6 (Required if the customer opts for Quartz as	http://www.quartz- scheduler.org/docs/lice nse.html	Download the file ' quartz- 1.6.6.zip ' from the following URL: <u>http://www.quartz-</u> <u>scheduler.org/download/do</u>	Extract 'quartz-1.6.6.zip' and copy the file 'Quartz-1.6.6.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-quartz



Component	License Information	Download Location	Instructions
the scheduler)		wnload-catalog.html	
Bouncy Castle 1.5 (Required in scheduler to encrypt SFMS messages)	http://www.bouncycastl e.org/licence.html	Download the files ' bcprov - jdk15-145.jar' and ' bcmail - jdk15-145.jar' from the following URL: <u>http://www.bouncycastle.org</u> /latest_releases.html	Copy the files 'bcprov-jdk15- 145.jar' and 'bcmail-jdk15- 145.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-crypto
Apache Commons Net 2.0	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-net-2.0.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/net/binaries/</u>	Extract 'Commons net 2.0' and copy the file 'commons-net- 2.0.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-quartz
Apache Commons Transaction 1.2	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-transaction- 1.2.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/transaction/binar</u> <u>ies/</u>	Extract 'Commons Transaction 1.2' and copy the file 'commons-transaction-1.2.jar' to the following directory: {INSTALLER_DIR}\Library\plug in-quartz
Apache Commons IO 1.3 (Indirect dependency)	Apache license version 2.0 is available at the following URL: <u>http://www.apache.org/</u> <u>licenses/LICENSE-2.0</u>	Download the file ' commons-io-1.3.zip ' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/io/binaries/</u>	Extract 'Commons IO 1.3' and copy the file 'commons-io- 1.3.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons HTTPClient 3.0	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-httpclient- 3.0.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/httpcomponents/commons- httpclient/3.0/binary/</u>	Extract 'Commons HTTPClient 3.0' and copy the file 'commons-httpclient-3.0.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons Codec 1.2 (Indirect dependency)	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-codec-1.2.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/codec/</u>	Extract 'Codec 1.2' and copy the file 'commons-codec- 1.2.jar' to the following directory: {INSTALLER_DIR}\Library\com mon
Apache Commons	Apache license version 2.0 is available at the	Download the file 'commons-logging-	Extract 'Commons Logging 1.0.4' and copy the file



Component	License Information	Download Location	Instructions
Logging 1.0.4	following URL:	1.0.4.zip ' from the following URL:	'commons-logging-1.0.4.jar' to the following directory:
	licenses/LICENSE-2.0	http://archive.apache.org/dis t/commons/logging/binaries/	{INSTALLER_DIR}\Library\appl ication
Apache Axis	Apache license version	Download the file 'axis-bin-	Extract 'Axis1.4'.
1.4 2.0 is availa following U <u>http://www.</u> <u>licenses/LIC</u>	2.0 is available at the following URL:	1_4.zip' from the following URL: http://www.apache.org/dist/ ws/axis/1_4/	Copy the files 'axis.jar', 'jaxrpc.jar' and 'wsdl4j-1.5.1.jar' to the following directory:
	licenses/LICENSE-2.0		{INSTALLER_DIR}\Library\appl
			Copy the files 'commons- discovery-0.2.jar' and 'commons-logging-1.0.4.jar' to the following directory:
			{INSTALLER_DIR}\Library\appl ication

1.3.7 Prerequisites for Integrating Host and OEM Adapter

This section lists the JAR files that are required for deploying Oracle FLEXCUBE UBS application with Oracle OEM Adapter.

1.3.7.1 Oracle Toplink 11g

You need to copy certain JAR files from Oracle Toplink 11g. Oracle Toplink is licensed and distributed by Oracle Corporation.

If you are using Oracle WebLogic Server 11g R1, you need to copy the following JAR file from the respective directory:

JAR File Name	Directory
com.oracle.toplink_1.0.0.0_11-1-1-0.jar	{WL_HOME\}\Modules

Copy the above file to the following directory:

{INSTALLER_DIR}\Library\plugin-elcm

1.3.8 Prerequisites for Integrating Host and ELCM

This section contains the details of the JAR files required for deploying Oracle FLEXCUBE UBS Application with ELCM.

Component	License Information	Download Location	Instructions
JEE 5	License information is displayed while downloading and	Download JEE 5 SDK from the Sun Java EE Download Center at the following URL:	Refer to the section 'Installing JEE 5 SDK' in this chapter.



Component	License Information	Download Location	Instructions
	installing JEE 5 SDK.	http://java.sun.com/javaee/d ownloads/ Oracle FLEXCUBE does not support Java EE 6 SDK. You need to download JEE 5 SDK for Oracle FLEXCUBE Host.	
Oracle Toplink 11g	Oracle Toplink is licensed and distributed by Oracle Corporation.	http://www.oracle.com/techn etwork/middleware/toplink/d ownloads/index.html	If you are using Oracle WebLogic Server 11g R1, you need to copy the 'com.oracle.toplink_1.0.0.0_11- 1-1-1-0.jar' file from the folder '{WL_HOME\}\Modules' to the following directory: {INSTALLER_DIR}\Library \plugin-elcm
Oracle ojdbc14	Oracle ojdbc is licensed and distributed by Oracle Corporation.	http://www.oracle.com/techn etwork/database/enterprise- edition/jdbc-10201- 088211.html	Copy 'Ojdbc14.jar' to the following directory: {INSTALLER_DIR}\Library \plugin-elcm
Oracle translator and runtime12	Oracle translator and runtime12 is licensed and distributed by Oracle Corporation.	http://www.oracle.com/techn etwork/database/features/jd bc/index-091264.html	Download jpub_102.zip (JPublisher 10g Release 10.2). Extract the zip file and copy 'translator.jar and runtime12.jar

1.3.9 Prerequisites for Decentralized Branch

This section contains the details of JAR files required for deploying Oracle FLEXCUBE UBS Application in decentralized mode.

Component	License Information	Download Location	Instructions
Java Transaction API Classes 1.1	Java Transaction API Classes 1.1 license is available at the following URL: <u>http://download.oracle.</u> <u>com/otndocs/jcp/jta-</u> <u>1.1-classes-oth-JSpec/</u>	Download the file ' Jta-1.1- classes.zip' from the URL: <u>http://download.oracle.com/</u> <u>otndocs/jcp/jta-1.1-classes-</u> <u>oth-JSpec/</u>	Extract the zip file 'Jta-1.1- classes.zip' to the following directory: {INSTALLER_DIR}\Library\jta Ensure that the 'jta' folder contains a folder by name 'javax' in it. You need to first create the directory 'jta' in '{INSTALLER_DIR}\Library'.



Component	License Information	Download Location	Instructions
Apache Commons DBCP 1.2.1	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-dbcp-1.2.1.zip' from the URL: <u>http://archive.apache.org/dis</u> <u>t/commons/dbcp/binaries/</u>	Extract 'Commons DBCP 1.2.1' and copy the file 'commons- dbcp-1.2.1.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons Pool 1.2 (Indirect dependency)	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-pool-1.2.zip' from the URL: <u>http://archive.apache.org/dis</u> <u>t/commons/dbcp/binaries/</u>	Extract 'Commons Pool 1.2' and copy the file 'commons- pool-1.2.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons Collections 2.1 (Indirect dependency)	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'collections-2.1.zip' from the URL: <u>http://archive.apache.org/dis</u> <u>t/commons/collections/binari</u> <u>es/</u>	Extract 'collections-2.1' and copy the file 'commons- collections.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons HTTPClient 3.0	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-httpclient- 3.0.zip ' from the URL: <u>http://archive.apache.org/dis</u> <u>t/httpcomponents/commons-</u> <u>httpclient/3.0/binary/</u>	Extract 'HTTPClient 3.0' and copy the file 'commons- httpclient-3.0.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication
Apache Commons Codec 1.2 (Indirect dependency)	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-codec-1.2.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/codec/</u>	Extract 'Codec 1.2' and copy the file 'commons-codec- 1.2.jar' to the following directory: {INSTALLER_DIR}\Library\com mon
Apache Commons Logging 1.0.4 (Indirect dependency)	Apache license version 2.0 is available at the following URL: http://www.apache.org/ licenses/LICENSE-2.0	Download the file 'commons-logging- 1.0.4.zip' from the following URL: <u>http://archive.apache.org/dis</u> <u>t/commons/logging/binaries/</u>	Extract 'Commons Logging 1.0.4' and copy the file 'commons-logging.jar' to the following directory: {INSTALLER_DIR}\Library\appl ication



1.3.10 Prerequisites for Gateway

Component	License Information	Download Location	Instructions
Oracle 11g Database Driver (11.2.0.2.0)	Licensed and distributed by Oracle Corporation.	Download the file 'ojdbc6.jar ' from the following URL: <u>http://www.oracle.com/techn</u> <u>ology/software/tech/java/sqlj</u> <u>_jdbc/htdocs/jdbc_111060.h</u> <u>tml</u>	Copy the file 'ojdbc6.jar' to the following directory: {INSTALLER_DIR}\Library\com mon
JEE 5 SDK	License information is displayed while downloading and installing JEE 5 SDK.	Download JEE 5 SDK from the Sun Java EE Download Center at the following URL: <u>http://java.sun.com/javaee/d</u> <u>ownloads/</u> Oracle FLEXCUBE does not support Java EE 6 SDK. You need to download JEE 5 SDK for Oracle FLEXCUBE Host.	Install JEE 5 SDK and copy the file 'javaee.jar' to the folder '{INSTALLER_DIR}\Library\app lication'. Refer to the section 'Installing JEE 5 SDK' in this chapter for details.

This section contains the details of the JAR files required for setting up the EAR of Gateway Applications.



1.3.11 Heirarchy of Folders in Oracle FLEXCUBE Installation Library

You need to maintain the 'Library' folder as shown below. You need to copy the JAR files into the respective folders as per this hierarchy.



1.4 Setting System Properties for Oracle FLEXCUBE Installer

You need to set the system properties before running Oracle FLEXCUBE Installer. These settings are applicable to Oracle FLEXCUBE 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.

Em	vironment Varia	bles	?	×
ſ	∐ser variables for Viç	jneshsa		
	Variable	Value		
	TMP	C:\Documents and Settings\Vigneshsa\L		
		New Edit Delet	e	
ſ	5ystem variables —			
	Variable	Value	^	
	CATALINA_HOME	C:\Java\Tomcat 5.5		1
	CLASSPATH	C:\Program Files\IBM\WebSphere MQ\J		
	DEFLOGDIR	C:\Documents and Settings\All Users\A		
	envsdk_regkey	8.0;7.0	~	
		New Edit Delet	e]
		OK Car	ncel	



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

Edit System Vari	able 🤶 🏹
Variable <u>n</u> ame:	FCUBS_ANT_HOME
Variable <u>v</u> alue:	D:\apache-ant-1.7.1
	OK Cancel

You need to create the following variables.

SI. No.	Variable Name	Variable Value	Remarks
1.	FCUBS_ANT_HOME	Location of Apache Ant Root Directory Eg: D:\apache-ant- 1.7.1	Oracle FLEXCUBE Installer needs Apache Ant 1.7.1
2.	FCUBS_JAVA_HOME	Location of the JDK Directory Eg: C:\Java\jdk1.6.0_16	Check the version of the JDK running on the Application Server on which the EAR has to be deployed. Based on the JDK version, set the FCUBS_JAVA_HOME to JDK1.6. The JDK verison in the app server should also be the same. Ensure that the variable value for FCUBS_JAVA_HOME has no space characters

Variables required for Gateway

SI. No.	Variable Name	Variable Value	Remarks
1.	FCUBS_ANT_OPTS	-Xmx512M	This variable is created for building Gateway Web Service Application.

Variables required for Oracle WebLogic Application Server

SI. 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.
2.	DOMAIN_HOME	Location of the domain in WebLogic Application Server Eg: D:\bea\user_projects\domains\mallik	This variable is required when the Web Service Application is deployed to Oracle WebLogic Application Server.



SI. 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.

Variables required for IBM WebSphere Application Server

Variables required for Database and ELCM POJO

For Database and ELCM POJO installations, you need to edit the variable 'Path'.

SI. No.	Variable Name	Variable Value	Remarks
1.	Path	Edit the variable value and provide the Oracle home value Eg: D:\Oracle10gClient\bin	This variable is required for database and ELCM POJO installations.

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.

1.5 Running Oracle FLEXCUBE Installer On Windows



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



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

🕌 Oracle FLEXC	UBE Universal Installer 11.3.0	
Oracle FLE	XCUBE Universal Banking	ORACLE
Prerequisites Please specify	the JDK, Ant and Oracle Home	
JDK Path	D:\java\jdk1.6.0_18	😜
Ant Path	D/lapache-ant-1.7.1	📔
Oracle Home	D:\Oracle10gClient	📔
Log	Back	Next Exit

Now you can proceed with the installation process.

1.6 Running Oracle FLEXCUBE Installer on UNIX/LINUX

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

1.6.1 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.



🛣 PuTTY Configu	ration 🛛 🗙
Category:	
Category: Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Proxy Telnet Rlogin SSH Auth Tunnels Bugs	Basic options for your PuTTY session Specify your connection by host name or IP address Host Name (or IP address) Port 10.184.74.143 22 Protocol: Paw I elnet Raw I elnet Raw I elnet Protocol: Saved Sessions Default Settings Load Save Default Settings Load Save Delete
About	<u>D</u> pen <u>C</u> ancel

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

1.6.2 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.

Bash Details for Installer (Mandatory)

FCUBS_ANT_HOME	Give the Apache installation location
FCUBS_JAVA_HOME	Give the Java installation location

<u>Example</u>

FCUBS_JAVA_HOME='/oracle/appsrvrs/JRKT16'

export FCUBS_JAVA_HOME

FCUBS_ANT_HOME='/home/fcubs/test/apache-ant-1.7.1'

export FCUBS_ANT_HOME

The above examples are applicable to the LINUX environment. Export commands may vary for each operating system.

Bash Details for Database and ELCM POJO Installation

You need to edit the variable 'Path' and apply the Oracle Home path as the variable value.

You can check the 'Path' variable in a UNIX system using the following command:

\$ echo \$PATH

You can append a directory to the 'Path' variable using the following command:

\$ export PATH = \$PATH;/Java/jdk1.6.0_18/bin;/Oracle10gClient/bin;

ORACLE_HOME	Give the Oracle Client installation
	location



<u>Example</u>

ORACLE_HOME='/oracle/oracle11gr2_client/product/11.2.0/client_1'

export ORACLE_HOME

Bash Details for Gateway Webservice Building

FCUBS_ANT_OPTS	Give the maximum heap size i.e. – Xmx512M
----------------	--

<u>Example</u>

FCUBS_ANT_OPTS='-Xmx512M'

export FCUBS_ANT_OPTS

Bash Details for Oracle WebLogic Application Server

WL_HC	DME	Give the Oracle WebLogic installation location
DOMA	IN_HOME	Give the path to the domain location

<u>Example</u>

WL_HOME='/oraint1/web1034/Oracle/Middleware/wlserver_10.3'

export FCUBS_ANT_OPTS

DOMAIN_HOME='/oraint1/web1034/Oracle/Middleware/user_projects/domains/fcubs113_domain'

export WL_HOME

export DOMAIN_HOME

Bash Details for IBM WebSphere Application Server

the IBM WebSphere installation tion	WAS_HOME
the IBM WebSphere installat tion	WAS_HOME

<u>Example</u>

WAS_HOME='/oraint1/IBM/WebSphere/AppServer1'

export WAS_HOME

1.6.3 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 mahines.

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.



×	Xstart			
ĺ	Session:	K fcubs@10.184.74.143	~	<u>N</u> ew Sa <u>v</u> e
	<u>H</u> ost:	10.184.74.143 🗸 🗸		Save As
	Protocol:	SSH 💌	S <u>e</u> tup	Delete
	<u>U</u> ser Name:	fcubs]	Shortcut
	Pass <u>w</u> ord:	••••	S <u>a</u> ve	
	Execution <u>C</u> or	mmand:		
	/usr/bin/xter	m -ls -display \$DISPLAY		
	Options			
	# >	Show status dialog box.		Run
		To configure advanced options		Close
Į		click the Advanced button.	Advanced	Help

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 Enteprise 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

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

Specify the execution command based on the operating system.

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

▶ fcubs@IPL143DOR	:~/test/GatewayIns	taller/SOURC	E	
<pre>fcubs@IPL143DOR [fcubs@IPL143DOR SO build.xml config %DOMAIN_HOME% FCUBSInstaller.bat [fcubs@IPL143DOR SO</pre>	:-/tesi/GatewayIns JRCE]\$ 1s FCUBSInstaller.jar FCUBSInstaller.sh Images InstallOptions JRCE]\$./FCUBSInstal	taller/SOURC logs MANIFEST.MF nbproject ler.sh	E nbproject_build nbproject_dist ScriptTest.sh src	

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.



🛃 Oracle FLEXCL	IBE Universal Installer			
Oracle FLE	Oracle FLEXCUBE Universal Banking			CLE
Prerequisite Please specify	s The JDK. Ant and Oracle Ho			
JDK Path	D:\java\jdk1.6.0_18			
Ant Path	D:\apache-ant-1.7.1			
Oracle Home	D:\Oracle10gClient			
Log		Back	Next	Exit

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.



2. Troubleshooting

2.1 Introduction

This chapter guides you through the troubleshooting methods while installing Oracle FLEXCUBE. 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 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 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 Console Messages

You can also check the console messages to resolve the issues faced while performing cerain activities such as building. The console messages appear in the console pane of the Oracle FLEXCUBE Universal Installer window. The console messages contain information about the activity being executed.

Check the below screenshot for the console message location on Oracle FLEXCUBE Installer.

👉 Oracle FLEX	🗴 Oracle FLEXCUBE Universal Installer							
Oracle Flexe	Oracle Flexcube Universal Banking Solution Installer				(L€°	
Modules								
● Exi ○ Inc	clude :lude							
	S.No.	Module Name	Include					
	1	AM						
	2	BC						
	3	Branch						
	4	CL		-				
ecnoj successio	ary copied a	antriet lies						
BUILD SUCCESSFUL Total time: 43 second	sk				66	Back	Nevt	Evit
						Dack	Next	EXIL

You can scroll down and read the full console message. If you wish to see a the console message on a different window, click the view button at the right. Oracle FLEXCUBE Installer displays the 'Process Console' screen.

٢	Process Console	
	D:\InstallerDebugStatements>REM Cent - Selected D:\InstallerDebugStatements>REM D:/InstallerDebugStatements/InstallOptions/AppServer/10.3/01Copy/InfraCopy.xml - Current Directory	
	D:\InstallerDebugStatements>REM "-Dsource=D:\Latest Test\FCUBS10.3sources" - Source Folder D:\InstallerDebugStatements>REM "-Ddestination=D:\Latest Test\EAR\FLEXCUBE_200904031243\INFRA" - Destination Folder	
	D:\InstallerDebugStatements>REM "-DAPP_NAME=FCUBS_FCJ" - Application Name D:\InstallerDebugStatements>REM - Property File	•

In case of errors during installation, the console pane will contain the details as given below:





Open the command prompt and run the commands given on the 'Process Console' screen.



Further, execute the ant command you want in the command prompt. For example, you can execute the ant command as shown below.





This gives a detailed description of the error, if any, which may be helpful in resolving the error.

2.4 Abrupt Exit from Installer (Windows Only)

In case for some reason the Oracle FLEXCUBE 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.

📕 Windows Task Mar	lager				
File Options View Help	0				
Applications Processes	Derfermense Netwo	ا م ما با			
Applications	Performance	Inding			
		L cou l			
Image Name	User Name	CPU	Mem Usage		<u></u>
wmiprvse.exe	SYSTEM	00	5,912 K		
igrxpers.exe	ShashidharA	00	2,924 K		
hkcmd.exe	ShashidharA	00	2,956 K		
WINWORD.EXE	ShashidharA	00	53,280 K		
explorer.exe	ShashidharA	01	13,476 K		
RTHDCPL.exe	ShashidharA	00	26,304 K		
notepad.exe	ShashidharA	00	3,604 K		
taskmgr.exe	ShashidharA	02	5,424 K		
stickies.exe	ShashidharA	00	7,652 K		
imp.exe	ShashidharA	00	27,144 K		
ctrmon.exe	ShashidharA	00	4,312 K		≡
ACECINE.exe	ShashidharA	00	7,988 K		
communicator.exe	ShashidharA	00	8,876 K		
wmiprvse.exe	SYSTEM	00	5,248 K		
oracle.exe	SYSIEM	00	503,028 K		
McTray.exe	ShashidharA	00	924 K		
AdobeARM.exe	ShashidharA	00	6,624 K		
OUTLOOK.EXE	ShashidharA	00	17,008 K		
UdaterUI.exe	ShashidharA	00	2,944 K		
TNSLSNR.EXE	SYSTEM	00	24,272 K		
jusched.exe	ShashidharA	00	4,092 K		
jqs.exe	SYSTEM	00	1,384 K		
albd_server.exe	clearcase_albd	00	7,572 K		
ACEnwork.exe	SYSTEM	00	4,916 K		
javaw.exe	<u>ShashidharA</u>	00	43,280 K		
svchost.exe	End Process	00	6,284 K		
iexplore.exe	End Process Tree	00	15,460 K		
spoolsv.exe	Debug	00	5,700 K		
svchost.exe	-	_ 00	4,208 K		
mteann.exe	Set Priority 🔹 🕨	00	5,636 K		
Mcshield.exe	Set Affinity	00	31,240 K		~
svchost.exe		00	3.572 K		
Show processes fro	m all users				End Process
Processes: 60 CPU Us	age: 5% Comr	nit Charg	e: 1330M / 3410	DM	

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

Task Ma	nager Warning
1	WARNING: Terminating a process can cause undesired results including loss of data and system instability. The process will not be given the chance to save its state or data before it is terminated. Are you sure you want to terminate the process?
	Yes No



4. Click 'Yes' to accept the message.

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

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

2.5 Installer Configuration

Using Oracle FLEXCUBE Installer, you may install Executable FC_UBS_V.UM_11.3.0. For this, you need to update the file 'installer.properties' in the folder 'config'.

Follow the steps given below:

Open the 'installer.properties' which is available under **SOURCE > Config** folder.

The default mode of Installer is EXEC.

If the installer is to be run in the soft area (for development purposes only), and not in the executable area, you need to change the value of 'SHIPMENT_LOCATION' from 'EXEC' to 'SOFT' and save the file as given below.

For EXEC mode:

STREAM=KERNEL SHIPMENT LOCATION=EXEC

For SOFT mode:

STREAM=KERNEL SHIPMENT LOCATION=SOFT





Setting up Oracle FLEXCUBE Installer [May] [2012] Version 12.0

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