# Oracle FLEXCUBE Core Banking

Oracle FLEXCUBE-CORE Branch Installation Guide (Windows Server)

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# Introduction

This guide is helpful for initial setup of FLEXCUBE Branch environment on windows server machine.

# **Base System Configurations**

### Hardware

Here we strongly suggest you to verify your target installation machine's environment and make sure it meets the minimum hardware as below

CPU: Intel Duo Core 2.0 GHz Hard Disk: 10GB free space Memory: 1GB Network: 100M Ethernet connection

### **Operating Systems**

FLEXCUBE-CORE Branch application supports windows server family. You can run it on

Windows Server 2012 R2

# Prerequisites

## Windows Administrator

We suggest that you install the FLEXCUBE-CORE Branch with the administrator user on windows server. So please log into the windows server as administrator and proceed with the installation.

# Oracle Database 12c(12.1.0.1) Administrator Client

FLEXCUBE-CORE Branch requires oracle database driver on the windows server to connect to Oracle database server. If your machine already has oracle 12c driver installed, you can check the ODBC Data Source configuration.

Follow these steps:

- 1. Goto C:\Windows\SysWOW64 and click on odbcad32.exe
- 2. Click the **Drivers** tab, check if the Oracle 12c driver is present in the list.

ODBC Data Sou	rce Administrate	or (32-bit)		
ODBC Drivers that are installed on your system:		ing / Doat		
Name	Version	Company	File ^	
Microsoft ODBC for Oracle	6.03.9600.17415	Microsoft Corporation	MSORCL32.D	
Microsoft Paradox Driver (*.db )	6.03.9600.17415	Microsoft Corporation	ODBCJT32.D	
Microsoft Paradox-Treiber (*.db )	6.03.9600.17415	Microsoft Corporation	ODBCJT32.D	
Microsoft Text Driver (*.txt; *.csv)	6.03.9600.17415	Microsoft Corporation	ODBCJT32.D	
Microsoft Text-Treiber (*.txt; *.csv)	6.03.9600.17415	Microsoft Corporation	ODBCJT32.D	
Oracle in OraClient12Home1_32bit	12.01.00.01	Oracle Corporation	SQORA32.DL	
SQL Server	6.03.9600.17415	Microsoft Corporation	SQLSRV32.D ≡	
SQL Server Native Client 10.0	2007.100.2531.00	Microsoft Corporation	SQLNCLI10.D	
SQL Server Native Client 11.0	2011.110.3000.00	Microsoft Corporation	SQLNCLI11.D 🗸	
< 111			>	
An ODBC driver allows ODBC-enabled programs to get information from ODBC data sources. To install new drivers, use the driver's setup program.				
	ОК	Cancel Apply	Help	

If not, there is no Oracle driver installed on your machine. Then you need to install the driver by the following steps below.

- Download Oracle administrator client
- Please download oracle 12c(12.1.0.1) Database client(32 bit) from Oracle

website. Then unzip it to your windows server machine folder.

Please contact your system administrator before downloading software.

• Launch the instant client installer

Open the client installer folder, e.g. winnt\_12c\_client32.zip. Launch it by clicking setup.exe

• Select Installation Type

By default, **InstantClient** is checked. Please select the **Administrator** option.

실 Oracle Client Installer - Setting up	Client - Step 1 of 9
Select Installation Type	
Select Installation Type Software Updates Select Product Languages Oracle Home User Selection Specify Installation Location Perform Prerequisite Checks Summary Install Product Finish	What type of Installation do you want?         InstantClient (214.0MB)         Installs Instant Client Software         Administrator (1024.0MB)         Installs the management console, management tools, networking services, utilities and basic client software.         Buntime (735.0MB)         Installs tools for developing applications, networking services and basic client software.         Qustom         Enables you to choose individual components to install.
Help	< Back Install Cancel

Click **Next** to continue.

### • Download Software Updates

🕌 Oracle Client Installer - Setting u	ıp Client - Step 2 of 9
Download Software Update	
Select Installation Type	Download software updates for this installation. Software updates consist of recommended updates to the installer system requirement checks, PatchSet Updates (PSUs), and other recommended patches.
Software Updates     Select Product Languages	Select one of the following options:
Oracle Home User Selection	O Use My Oracle Support credentials for download
Perform Prerequisite Checks Summary	My Oracle Support <u>u</u> ser name: My Oracle Support p <u>a</u> ssword: <u>Proxy Settings</u> ] <u>Test Connection</u>
O Finish	Use pre-downloaded software updates       Location:         Browse
Help	< <u>B</u> ack <u>Next</u> Cancel

Select Skip software updates and click Next.

• Select Product Language

🙆 Oracle Client Installer - Setting up	Client - Step 3 of 7			
Select Product Languages		Č.		
Select Installation Type Software Updates Select Product Languages Perform Prerequisite Checks Summary Install Product Finish	Select the languages in which yo Available languages: Arabic Bengali Brazilian Portuguese Bulgarian Canadian French Catalan Croatian Czech Danish Dutch Egyptian English (United Kingdom) Estonian Finnish French German Greek Hebrew Hungarian	ur product will run.	Selected language	DATABASE
			< Back	Next > Install Cancel

Select English and click Next.

• Specify Oracle Home User

🛃 Oracle Client Installer - Setting up	Client - Step 4 of 9
Specify Oracle Home User	
Select Installation Type Software Updates	Use Windows Built-in Account or specify a standard Windows User Account (not an Administrator account) to install and configure the Oracle Home. This account is used for running the Windows Services for the Oracle Home. Do not log in using this account to perform administrative tasks.
Select Product Languages	Use Existing Windows User
Oracle Home User Selection	liser Name:
Specify Installation Location	
Perform Prerequisite Checks	Password:
U Summary	○ <u>C</u> reate New Windows User
<ul> <li>Install Product</li> </ul>	User Name:
Ú Finish	Password
	The newly created user is denied Windows logon privileges.
	<ul> <li>Use Windows Built-in Account</li> </ul>
Help	< Back Next > Install Cancel

Select Use Windows Built in Account and then click Next.

• Specify Installation Location

🙆 Oracle Client Installer - Setting up	Client - Step 5 of 9	
Specify Installation Location		
Select Installation Type Software Updates	Specify an Oracle base path to place all Oracle software and configuration-related Oracle base directory.	files. This location is the
Select Product Languages	Oracle base: C:\app\tuprakas	Browse
Oracle Home User Selection		
Specify Installation Location	Specify a location for storing Oracle software files. This location is the Oracle home	directory.
Perform Prerequisite Checks	Software location: C:\app\tuprakas\product\12.1.0\client_1	Browse
O Summary		
Install Product		
O Finish		
Help	< <u>B</u> ack <u>N</u> ext >	Install Cancel

Set the client home path required and click Next.

• Prerequisite Checks



Once the pre-requisite check is complete, the summary page will get displayed.

• Summary



Click install.

Once the progress is complete, click Exit to finish.

Once you have completed Oracle 12c administrator client installation, you should see oracle database driver is available in the list under **Drivers** tab in **ODBC Data Sources** 

Note: Tnsnames.ora needs to be copied in the admin path of the oracle home on windows machine.

## **Internet Information Serivces (IIS)**

As FLEXCUBE-CORE Branch system runs on Microsoft IIS, you need to install and configure IIS before you proceed branch installation. In addition, you need administrator login on windows server and the OS installation CD.

FLEXCUBE-CORE branch can be installed on Windows Server 2012 R2 Enterprise . The IIS related settings are listed below in the section 3.3.1 .

Note : IIS 8.0 is a part of the Windows 2012 R2 enterprise OS.

## Windows Server 2012

### • Go to **Start** Administrative Tools and click Server Manager.

🖄 l 🕞 🏢 🖛 l	Shortcut Tools	Application Tools	Administ	rative Tools	_ 🗆 🗙
File Home Share	view Manage	Manage			~ 😮
(a) → ↑ (a) < (b)	II Control Panel Items 🕨 Ad	ministrative Tools	~ (	Search Admin	strative Tools 🔎
☆ Favorites	Name		Date modified	Туре	Size
Desktop	Terminal Services		22/08/2013 21:09	File folder	
Downloads	Component Services		22/08/2013 12:27	Shortcut	2 KB
Recent places	E Computer Managem	ent	22/08/2013 12:24	Shortcut	2 KB
	눩 Defragment and Opt	imize Drives	22/08/2013 12:17	Shortcut	2 KB
MUM00AAM	🛃 Event Viewer		22/08/2013 12:25	Shortcut	2 KB
	牘 Internet Information	Services (IIS) 6.0 Ma	22/08/2013 12:20	Shortcut	2 KB
📬 Network	音 Internet Information	Services (IIS) Manager	22/08/2013 12:20	Shortcut	2 KB
	🚓 iSCSI Initiator		22/08/2013 12:27	Shortcut	2 KB
	🛃 Local Security Policy		22/08/2013 12:24	Shortcut	2 KB 🔳
	😼 Microsoft .NET Fram	ework 1.1 Configura	24/03/2015 14:49	Shortcut	2 KB
	🛃 Microsoft .NET Fram	ework 1.1 Wizards	24/03/2015 14:49	Shortcut	2 KB
	😼 Microsoft .NET Fram	ework 2.0 Configura	24/03/2015 14:53	Shortcut	2 KB
	🔊 Microsoft Azure Servi	ices	24/07/2014 09:32	Shortcut	2 KB
	📷 ODBC Data Sources (	32-bit)	22/08/2013 05:26	Shortcut	2 KB
	📷 ODBC Data Sources (	64-bit)	22/08/2013 12:29	Shortcut	2 KB
	🔊 Performance Monito	r	22/08/2013 12:22	Shortcut	2 KB
	🔊 Resource Monitor		22/08/2013 12:22	Shortcut	2 KB
	🛃 Security Configuratio	on Wizard	22/08/2013 12:15	Shortcut	2 KB
	Server Manager		22/08/2013 12:25	Shortcut	2 KB
	😹 Services		22/08/2013 12:24	Shortcut	2 KB
	🛃 System Configuration	n	22/08/2013 12:23	Shortcut	2 KB
	🛃 System Information		22/08/2013 12:23	Shortcut	2 KB
	🔝 Task Scheduler		22/08/2013 12:25	Shortcut	2 KB 🗸
29 items   1 item selected	I 1.13 KB				

• On the Server Manager Dashboard , click Add Roles and Features in the Quick

#### Start tab.

<b>a</b>		Server Manager			_ 0 X
Server Ma	anager • Dashboard		• ③	Manage <u>T</u> ools	<u>V</u> iew <u>H</u> elp
🧰 Dashboard	WELCOME TO SERVER MANAGER				^
<ul> <li>Local Server</li> <li>All Servers</li> <li>App Server</li> <li>File and Storage Services ▷</li> <li>IIS</li> </ul>	QUICK START  QUICK START  QUICK START  QUICK START  Q Adde  A Adde  A Adde  Cree  C C C C C C C C C C C C C C C C C C	gure this local server d roles and features d other servers to manage ate a server group nnect this server to cloud services			Hide
	App Server 1     App Server 1     App Server 1     App Server 1     Performance	File and Storage 1 Services 1 Manageability Events Services Performance BPA results	IIS     1       Image ability       Events       Services       Performance       BPA results		-
	Local Server 1     Manageability     Events     Services     Performance     BPA results	All Servers 1 Manageability Events Services Performance BPA results			V

• On the **Before You Begin** window, click next.

2	Add Roles and Features Wizard
Before you begin	DESTINATION SERVER mum00aam.in.oracle.com
Before You Begin Installation Type Server Selection	This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.
Server Roles	To remove roles, role services, or features: Start the Remove Roles and Features Wizard
Features Confirmation Results	<ul> <li>Before you continue, verify that the following tasks have been completed:</li> <li>The Administrator account has a strong password</li> <li>Network settings, such as static IP addresses, are configured</li> <li>The most current security updates from Windows Update are installed</li> <li>If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.</li> <li>To continue, click Next.</li> </ul>
	Skip this page by default
	< Previous Next > Install Cancel

• On the Select Installation Type window, select Role based or feature based installation and click next.

<b>a</b>	Add Roles and Features Wizard	-		x
Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Add Roles and Features Wizard         DESTI         mum00a         Select the installation type. You can install roles and features on a running physical comp         machine, or on an offline virtual hard disk (VHD).            • Role-based or feature-based installation         Configure a single server by adding roles, role services, and features.             • Remote Desktop Services installation         Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual         or session-based desktop deployment.	NATION am.in.ou	ne-ba	X Jer Jual
	< <u>Previous</u> <u>N</u> ext > <u>I</u> nstall	(	Cance	l

• On the Select destination server window, click Select a server from the server pool and click next.

à	Add	Roles and Features W	/izard	_ <b>D</b> X
Select destination	on server		( mur	DESTINATION SERVER m00aam.in.oracle.com
Before You Begin	Select a server or a	virtual hard disk on which t	to install roles and features.	
Installation Type	Select a server f	rom the server pool		
Server Selection				
Features	Server Pool			
Confirmation	Filter:			
Results	Name	IP Address	Operating System	
	mum00aam.in.ora	cle.com 10.180.35.177,	Microsoft Windows Server 2012 R2	Standard
	1 Computer(s) four This page shows se Add Servers comm collection is still inc	id rvers that are running Wind and in Server Manager. Offl omplete are not shown.	lows Server 2012, and that have been ine servers and newly-added servers fi	added by using the rom which data
		< <u>P</u> rev	rious <u>N</u> ext > <u>I</u> nstall	Cancel

• In the Select Server Roles window, select Web Server (IIS) in the Roles window.

<b>b</b>	Add Roles and Features Wizard	
Select server roles		DESTINATION SERVER mum00aam.in.oracle.com
Before You Begin	Select one or more roles to install on the selected server.	
Installation Type	Roles	Description
Server Selection		Wah Server (IIS) provides a reliable
Server Boles	Application Server (1 of 11 installed)	manageable, and scalable Web
Features	DHCP Server	application infrastructure.
Features	DNS Server	
Confirmation	Fax Server	
Results	File and Storage Services (2 of 12 installed)	
	Hyper-V	
	Network Policy and Access Services	
	Print and Document Services	
	Remote Access	
	Remote Desktop Services	
	Volume Activation Services	
	Web Server (IIS) (34 of 43 installed)	
	Windows Deployment Services	
	Windows Server Essentials Experience	
	Windows Server Update Services	
	C Depuique Neut	N Install Canad
	< <u>Previous</u> <u>N</u> ext	

• Next, the following roles need to be selected in the **Server roles** tab(within Web Server (IIS).

#### **Common Http Features**

- Static Content
- Default Document
- Directory Browsing
- Http Errors
- Http Redirection

#### **Application Development**

- ASP.NET 3.5
- ASP.NET 4.5
- .Net Extensibility 3.5
- .Net Extensibility 4.5
- ASP
- CGI
- ISAPI Extensions
- Application Initialization
- Web Socket Protocol
- ISAPI Filters
- Server Side Includes

#### **Health and Diagnostics**

- Http Logging
- Logging Tools
- Request Monitor
- Tracing

#### Security

- Basic Authentication
- Windows Authentication
- Client Certificate Mapping Authentication
- IIS Client Certificate Mapping Authentication
- URL Authorization
- Request Filtering

#### Performance

• Static Content Compression

#### **Management Tools**

- IIS Management Console
- IIS Management Scripts and Tools
- Management Service
- IIS 6 Management Compatibility(Select all Sub options within the Role)

ect server role	25		mum00aam.in.oracle.co
fore You Begin	Select one or more roles to install on the selected server.		
stallation Type	Roles	De	escription
rver Selection		Ma	anagement Tools provide infrastructure to manage a Web server that
rver Roles	Web Server (IIS) (34 of 43 installed)	ru	ns IIS 8. You can use the IIS user interface, command-line tools, and
atures	Web Server (27 of 34 installed)	sci	ripts to manage the Web server. You can also edit the configuration
firmation	Common HTTP reactives (5 of o installed)	un un	ecuy.
	Detault Document (Installed)		
	HTTP Errors (Installed)		
	Static Content (Installed)		
	HTTP Redirection (Installed)		
	WebDAV Publishing		
	Health and Diagnostics (4 of 6 installed)		
	✓ HTTP Logging (Installed)		
	Custom Logging		
	✓ Logging Tools (Installed)		
	Request Monitor (Installed)		
	✓ Tracing (Installed)		
	Performance (1 of 2 installed)		
	✓ Static Content Compression (Installed)	=	
	Dynamic Content Compression		
	▲ Security (6 of 9 installed)		
	Request Filtering (Installed)		
	Basic Authentication (Installed)		
	Centralized SSL Certificate Support		
	<ul> <li>Client Certificate Mapping Authentication (Installed)</li> </ul>		
	Digest Authentication		
	IIS Client Certificate Mapping Authentication (Installed)		
	IP and Domain Restrictions		
	✓ URL Authorization (Installed)		
	✓ Windows Authentication (Installed)		
	Application Development (Installed)		
	✓ .NET Extensibility 3.5 (Installed)		
	✓ .NET Extensibility 4.5 (Installed)		
	ASP (Installed)		
	ASP.NET 3.5 (Installed)		
	ASP.NET 4.5 (Installed)		
	Application Initialization (Installed)	$\sim$	

• After selecting the above mentioned roles, click Next.

	Add Roles and Features Wi	zard	
elect server ro	les		DESTINATION SERVER mum00aam.in.oracle.com
Before You Begin	Select one or more roles to install on the selected server.		
Installation Type	Roles	Desc	cription
Server Selection		A Man	agreement Tools provide infrastructure to manage a Web server that
Server Roles	Dynamic Content Compression	runs	s IIS 8. You can use the IIS user interface, command-line tools, and
	▲ ■ Security (o of 9 installed)	scrip	its to manage the Web server. You can also edit the configuration file
atures	Request Filtering (installed)	direc	ctly.
	Basic Authentication (installed)		
	Centralized SSL Certificate Support		
	Client Certificate Mapping Authentication (installed)		
	Digest Authentication		
	IIS Client Certificate Mapping Authentication (Installed)		
	IP and Domain Restrictions		
	VICL Authorization (Installed)		
	Windows Authentication (Installed)		
	Application Development (Installed)		
	✓ .NET Extensibility 3.5 (Installed)		
	✓ .NET Extensibility 4.5 (Installed)		
	ASP (Installed)		
	ASP.NET 3.5 (Installed)		
	ASP.NET 4.5 (Installed)		
	Application Initialization (Installed)		
	CGI (Installed)		
	✓ ISAPI Extensions (Installed)		
	✓ ISAPI Filters (Installed)		
	Server Side Includes (Installed)		
	✓ WebSocket Protocol (Installed)		
	FTP Server		
	Management Tools (Installed)		
	✓ IIS Management Console (Installed)		
	<ul> <li>IIS 6 Management Compatibility (Installed)</li> </ul>	=	
	✓ IIS 6 Metabase Compatibility (Installed)		
	IIS 6 Management Console (Installed)		
	IIS 6 Scripting Tools (Installed)		
	IIS 6 WMI Compatibility (Installed)		
	IIS Management Scripts and Tools (Installed)		
	Management Service (Installed)		
	Windows Deployment Services		
	Windows Server Essentials Experience		

• Next, In the Select Features window, select the features that are given below :

#### • .Net Framework 3.5 Features

- Net Framework 3.5(includes NET 2.0 and 3.0)
- HTTP Activations
- Non-Http Activations

#### • .Net Framework4.5 Features

- Net Framework 4.5
- ASP.NET 4.5
- WCF Services
- \* Message Queuing Activation
- \* Named Pipe Activation
- \* TCP Activation
- \* TCP Port Sharing

### • Background Intelligent Transfer Service

- IIS Server Extension
- Remote Differential Compression
- XPS Viewer

### Windows Process Activation Service

- Process Model
- .Net Environment
- Configuration API's



**Note** : Some roles and features may be installed by default. Do not make any changes with any pre – installed roles or features.

Also be sure not to select HTTP Activations within the .Net Framework4.5 Features tab.

### Click Next.

2	Add Roles and Features Wizard	_ 0
Select features		DESTINATION SERVER mum00aam.in.oracle.com
Before You Begin	Select one or more features to install on the selected server.	
Installation Type	Features	Description
Server Selection	Message Queuing (1 of 7 installed)	Background Intelligent Transfer Service (BITS) asynchronously transfers
Server Roles	Multipath I/O	files in the foreground or background, controls the flow of the transfers to
Features	Network Load Balancing	preserve the responsiveness of other network applications, and automatically resumes file transfers after disconnecting from the network
Confirmation	Peer Name Resolution Protocol	or restarting the computer.
	Quality Windows Audio Video Experience	
	RAS Connection Manager Administration Kit (CMAK)	
	RPC over HTTP Proxy	
	Remote Assistance	
	Remote Differential Compression (Installed)	
	Remote Server Administration Tools (1 of 40 installed)	
	SMB I.0/CITS File Sharing Support (Installed)	
	SIMP Service	
	Simple TCP/IP Services	
	TFTP Client	
	Telnet Client	
	Telnet Server	
	<ul> <li>User Interfaces and Infrastructure (2 of 3 installed)</li> </ul>	
	WINS Server	
	WinRM IIS Extension	
	Windows Biometric Framework	
	Windows Feedback Forwarder	
	Windows Identity Foundation 3.5	
	Windows Internal Database     Windows DowerShell (3 of 5 installed)	
	Windows Process Activation Service (Installed)	=
	Windows Search Service	
	Windows Server Backup	
	Windows Server Migration Tools	
	Windows Standards-Based Storage Management	
	Windows TIFF IFilter	
	Wireless LAN Service	
	WoW64 Support (Installed)	
	VPS Viewer (Installed)	
	☐ ISNS Server service	▼
		< Previous Next > Install Cancel
		Crevious IText > Turstan Cancer

In the Confirm installation selections window, click Install.

•

📥	Add Roles and Features Wizard	
Installation prog	ress	DESTINATION SERVER mum00aam.in.oracle.com
	View installation progress	
	1 Feature installation	
	Installation started on mum00aam.in.oracle.com	
	.NET Framework 3.5 Features .NET Framework 3.5 (includes .NET 2.0 and 3.0)	^
	HTTP Activation	
Confirmation	Non-HTTP Activation	
Results	ASPNET 4.5	
	.NET Framework 4.5	
	Message Queuing (MSMQ) Activation	=
	Named Pipe Activation	_
	TCP Port Sharing	
	Background Intelligent Transfer Service (BITS)	
	IIS Server Extension Remote Differential Compression	
	User Interfaces and Infrastructure	
	Graphical Management Tools and Infrastructure Web Server (IIS)	
	Management Tools	
	IIS 6 Management Compatibility IIS 6 Management Console	
	IIS 6 Scripting Tools	
	IIS 6 Metabase Compatibility IIS 6 WMI Compatibility	
	IIS Management Console	
	Management Service	
	IIS Management Scripts and Tools Web Server	
	Application Development	
	Application Initialization	
	ASPNET 3.5	
	ASP.NET 4.5	~
	You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task	c Details.
	Export configuration settings	
		Install Const
	< <u>Previous</u> <u>Next</u> >	Install Cancel

• Once the installation is complete , click **Close**.



# **Branch Installation**

## Acquire FLEXCUBE-CORE Branch Installer Distribution

You can get the FC CORE Branch installer distributed version over the network or a CD/DVD. When you install FC CORE Branch from a CD/DVD, please make sure your target installation system has a CD/DVD ROM equipment.

Please make sure you acquire correct installation version for your operation system. Now FLEXCUBE-CORE branch installer supports the following OS :

Windows Server 2012 R2

The OUI folder (oui\_win32) needs to be copied onto the windows machine and has to be executed from that machine only.

The OUI is present at the following path within Relarea\_Encrypted inside the Installation zip:

 $Relarea\_Encrypted\flexcube\install\OUI\Branch\oui\_win32$ 

The installer should only be run via a user having admin rights on the machine, and same should be given in OUI when entry for Branch Administrator is asked.

### Launch Installer

Once you have the FLEXCUBE-CORE Branch installer, you can launch the start up screen with the following steps:

1.)Log onto windows server with admin user

2.)Go into branch installer, under **../oui\_win32/install** directory, then click **Setup.exe** The installation wizard is displayed and will guide you through all steps to install FLEXCUBE-CORE Branch on your machine.

### Welcome screen

You should see the welcome message on first screen. Just click Next

🙀 Oracle Universal Installer: Welcome	
	<b>FLEXCUBE</b> <sup>®</sup>
Welcome	
The Oracle Universal Installer guides you thro Oracle products.	ugh the installation and configuration of your
Click "Installed Products" to see all installed	products.
	Deinstall Products
ORACLE"	About Qracle Universal Installer
APPLICATIONS Help Installed Products	Back Next Install Cancel

### **Select Home Details**



Keep the default settings. Click Next.

## **Choose Directory**



Set FLEXCUBE-CORE Branch Installation path here. Click Next.

#### Bank Branch Configration

You can specify FLEXCUBE-CORE bank & branch code respectively

<b>FLEXCUBE</b> <sup>®</sup>
Install Cancel

Please contact your supervisor for Bank code and Branch Code details. These details should be same as those provided while running the RCU for DB creation.

Note : In case **bootstrap** is being run on the setup , the **branch code** should be set to **9999** and the **bank code** should be set to **1** 

Click Next.

### **Branch Database Configration**

Please specify FLEXCUBE-CORE branch database connection parameters

Oracle Universal Insta	ller: Branch Database Configuration	×
		FLEXCUBE®
<b>Branch Datab</b>	ase Configuration	
Configure your F	lexcube Branch database connection	
	FCRDB01	
	FCRD801	
	C50BITR2_DAY7	
Password	******	
DB Server IP	infbjvm2.cn.oracle.com	
DB Server Port	1521	
	FCRDB02	
	nstalled <u>Products</u> Back Next	Install

There must existing DB info in tnsnames.ora file.

From the below example, please note the corresponding info in the tns entry for the screen inputs.

# FCR = (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = 10.184.132.87)(PORT = 1521)) (CONNECT\_DATA = (SERVER = DEDICATED) (SERVICE\_NAME = fcr) )

ODBC Source Name : FCR TNS Service Name : fcr DB Server ip : 10.184.132.87 DB server port : 1521 Oracle SID : fcr **Note** : DB Server IP can either be in form of ip as '10.184.132.87' or' infbjvm2.cn.oracle.com' Please contact with your system administrator for 'User Id' and 'Password' details.

Click Next.

#### **Branch Server Administrator**

Type in the Windows server Administrator User name and password.

💥 Oracle Universal In	staller: Branch Server Administrator	
		<b>FLEXCUBE</b> <sup>®</sup>
Branch Ser	ver Administrator	
Set login infor	mation for server administrator	
Admin User ID	Administrator	
Admin Password	*****	
	Installed Products Back Next	Install Cancel

## Click Next.

Note : The Admin User id is the user with which you are runnning the OUI i.e. any user having admin rights on the Windows Branch.

### **Host Connectivity**

Specify FLEXCUBE-CORE host connection here.

This refers to the hostname(alias) for the host machine. You can also specify the host machine ip here.

**Note :** For the Host server name, you can log into host server and type following Unix/Linux command to check : \$hostname

Donot alter the default values for Client Branch From and Client Branch To .

🕍 Oracle Universal Inst	aller: Host Connectivity		x
		FLEXCUBE	®
Host Connect	tivity		
Configurate Fle	xcube Host Environment		
Host Server Name	fcrHostServer1		
Client Branch From	9999		
Client Branch To	9999		
Help	Installed Products Back	Next (nstall Cancel	

Click Next.

### **Host Database**

Specify FLEXCUBE-CORE host database connection here.

🙀 Oracle Universal Insta	ller: Host Database	
0.000		FLEXCUBE®
Host Databas	e	
Configurate Flex	cube Host Datebase	
ODBC Source Name	FCRDB01	
Hest DB User	C50HITR2_DAY7	
Host DB Password	*****	
DB Sever IP	infbjvm2.cn.oracle.com	
DB Server Fort	1521	
Oracle SID	FCRDB02	
	nstalled Products	Next Install Cancel

There must existing DB info in tnsnames.ora file.

From the below example, please note the corresponding info in the tns entry for the screen inputs.

FCR =

```
(DESCRIPTION =
(ADDRESS = (PROTOCOL = TCP)(HOST = 10.184.132.87)(PORT = 1521))
(CONNECT_DATA =
(SERVER = DEDICATED)
(SERVICE_NAME = fcr)
)
```

ODBC Source Name : FCR TNS Service Name : fcr DB Server ip : 10.184.132.87 DB server port : 1521 Oracle SID : fcr

**Note** : DB Server IP can either be in form of ip as '10.184.132.87' or' infbjvm2.cn.oracle.com' Please contact with your system administrator for 'User Id' and 'Password' details.

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Click Next.

### FC Core Host Server Details

Set Host Server IP address and the FC Core Managed Server port .

Host Server IP is the host machine ip and soap port is the FLEXCUBE-CORE Managed Server port(Defined at time of host installation).



Click Next.

### **Branch Machine IP**

Set IP address of the machine where you are installing the branch.



### **RCCU** Installation

If you want the Branch related RCCU objects to be present in the setup , select Yes. If they are not be included, select No.

RCCU Installation	
	FLEXCUBE®
RCCU Installation	
Do you want to enable RCCU setup?	
<b>❷</b> <u>Y</u> es	
ØNg	
ORACLE	
Help Installed Products	Back Next (nstall Cancel

After selecting the appropriate radio button, Click Next.

### FLEXCUBE-CORE Chinese Localization

If you want add native language, please select "Yes". And you just want to use English language, please select "No".



After selecting the appropriate radio button, Click Next.

### Summary



Click Install to proceed installation.

### Install

Wait for a while, depends on your machine's performance. The branch installation will be finish shortly. You can click "**Stop installation...**" button to terminate anytime. Please note that during branch installation, you will get 2 popups to install required third party applications, please follow wizards to install all of them completely.

![](_page_43_Picture_2.jpeg)

### **End of Installation**

Just click Exit to finish.

![](_page_44_Picture_2.jpeg)

**Note** : Once the OUI run is complete, please **restart** the Branch Machine to properly reflect all changes made during the OUI run.

# **Post Installation**

Changes in system settings

# a.) Implementing self signed certificate SSL on branch:

Note : This step is to be done only to check implementation of SSL on branch in the absence of an official SSL certificate(to be provided by bank). Please contact system administrator for the SSL certificate details.

To implement SSL via an official certificate obtained from Certificate Authorities , please follow the below mentioned doc in the encrypted relarea : Oracle\_FLEXCUBE\_Core\_Banking\_5.2.0.0.0.zip\Relarea\_Encrypted\flexcube\install\Docs\Branch\PDF\

SSL Configuration - 2008\_v1.pdf

1. Create a self signed certificate. Open IIS Server and click on Server Certificate....

![](_page_45_Picture_7.jpeg)

Click on create self-signed certificate on right-up corner and give proper certificate name and click on OK button.

Use this feature to request and man	age certificates that the Web serv	ver can use with Web sites configured	for SSL.		Import Create Certificate Request
Name 🔺	Issued To	Issued By	Expiration Date	Certificate Hash	Complete Certificate Request
	ofss310750.in.oracle.com	oradev-STASW01-CA	9/19/2014 5:48:32 PM	C559C323C7A3593BA	Create Domain Certificate
	localhost\BRN9999	localhost\BRN9999	12/22/2050 12:00:	A9E05070EDDB172A9I	Create Self-Signed Certificate
	WMSvc-OFSS310750	WMSvc-OF55310750	11/20/2023 12:56:	A4F78FA1CCC133C97	Create Seir-Signed Certificate
certi	ofss310750.in.oracle.com	ofss310750.in.oracle.com	3/20/2015 5:30:00	148970A78B68EE4E95	View
IIS Express Development Certific	localhost	localhost	4/15/2018 5:30:00	F6564323794ECF4FB6	Export
Create Self-Signed	Fertificate		2 🗙		X Remove
Specify a file name for signing: Specify a file name for signing: abd	fy Friendly Name for the certificate request. This i name for the certificate:	nformation can be sent to a certificate	e authority		Pielp Online Help

Name	Issued To 🔺	Issued By	Expiration Date	Certificate Ha
IIS Express Development Certific	localhost	localhost	4/15/2018 5:30:00 AM	F6564323794
	localhost\BRN9999	localhost\BRN9999	12/22/2050 12:00:00 AM	A9E05070ED[
	ofss310750.in.oracle.com	oradev-STASW01-CA	9/19/2014 5:48:32 PM	C559C323C7
certi	ofss310750.in.oracle.com	ofss310750.in.oracle.com	3/20/2015 5:30:00 AM	148970A78B6
abc	ofss310750.in.oracle.com	ofss310750.in.oracle.com	3/24/2015 5:30:00 AM	EC1B2302244
	WMSvc-OFSS310750	WMSvc-OFSS310750	11/20/2023 12:56:28 PM	A4F78FA1CC

2. Bindings: Click on Default Web site and the click on bindings on right-up corner.

![](_page_47_Picture_0.jpeg)

Under site bindings pop up, click on add button then select the appropriate SSL certificate and click on OK button.

.NET Authorizati Compil Machine Key TIS	Tation .NET Error Pages Globalization and Providers Session State	.NET Profile .NET Roles	.NET Trust .NET Levels	Users Application Settings	Connection Strings	Bindings Basic Settings View Applications View Virtual Directories Manage Web Site Restart Start Start Stop
ASP Auther HTTP Redirect HT Resp Management	Site Bindings	Port IP Address	Binding Add 808:* Edit * localho: Remove localho: Browse	Pailed Request       Failed Request       Tracing Rules       SSL Settings	Handler Mappings	Browse web site     Browse *:80 (http)     Advanced Settings     Configure     Failed Request Tracing     Limits     Help     Online Help
Configuration Editor Other BITS Uploads	Add Site Binding Type: IP address: https All Unassign Host name: SSL certificate: abic	ied View	rt: 13			

3. Select Default Web site the click on SSL Settings...

![](_page_48_Picture_1.jpeg)

4. Open a web browser and type following URL in the address bar.

### E.g. https://localhost/BRN9999

Just a while, you should see the login screen.

# b.)Adding additional branches in the registry :

By default, only 1 branch(9999) gets created in the branch registry via the OUI. Other necessary branches need to be created manually . The steps to do the same are listed in Section 2 of the the following doc:

Oracle\_FLEXCUBE\_Core\_Banking\_5.2.0.0.0.zip\Relarea\_Encrypted\flexcube\install\Docs\Branch\PDF\ Oracle FLEXCUBE-CORE 5.2.0.0.0-Installation\_Guide\_branch(winServer).pdf

## Launch FLEXCUBE-CORE Branch web page

1. Open a web browser and type following URL in the address bar.

E.g. http://localhost/BRN9999 or https://localhost/BRN9999( if ssl is implemented)

Just a while, you should see the login screen.

Note : On launching the Branch web page , 4 popups appear . Allow the run of all 4 popups (run as administrator) before logging into the branch. This is a one time activity.

# **Chinese Localization**

Note : These settings would be performed via OUI itself. Please verify all the settings given below .

### Install Chinese language package

1		4		0			
Power Options	Printers	Problem Reports a	Programs and Features	Regional and	S und	System	Ta: St
	Formats   1	Reports a	Features	uages di vdminist	rative )	ards	×
	Display To ins dialog	nge your keye o I change the language tall or uninsta Is, click Install,	e keyboard layo keyboard layo ll languages th /uninstall langu	ut for the Welc	Change keybo Ohange keybo ome screen? n use in menu	ards ards s and	
				🕐 Install,	/uninstall lan <u>c</u>	juages	

Confirm installation of Chinese language package

![](_page_51_Figure_5.jpeg)

Notice: There must existing Chinese and English.

🐑 Install or Uninstall Displ	ay Languages	
Select the languages you w	ant to remove	
Once you remove a langua	as you will not be able to display the	user interface in that language
Once you remove a langua	ge, you will not be able to display the	user interface in triacianguage.
Language	Native name	Type Size
Language A English	Native name English	Type Size MUI
Language	Native name	Type Size
e ıglish	Native name English	Type Size MUI

## **Set Chinese Localization**

![](_page_52_Picture_1.jpeg)

### **Set Chinese Localization**

Notice: After installation by Branch OUI and select install Chinese localization, you could begin check below regedit info.

a)

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Environment]
"MQCCSID"="1208"
```

reg add "HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Environment" /v MQCCSID /t REG\_SZ /d 1208 /f

b)

[HKEY LOCAL MACHINE\SOFTWARE\IFLEX\Flexcube\Branch\IE\CHN]
"HTMLSource"="C:\\Flexcube\\branch\\web\\branch\\screens\\xml`\chn\\"
"DOCSource"="C:\\Flexcube\\branch\\web\\branch\\docs\\html <mark>.\chn\</mark> "
"NLS_XMLPath"="C:\\Flexcube\\branch\\web\\branch\\utl\ <mark>\\\NLS\\'</mark>
[HKEY_LOCAL_MACHINE\SOFTWARE\IFLEX\Flexcube\Branch\IE\CHN]
"HTMLSource"="C:\\Flexcube\\branch\\web\\branch\\screens\\xml\\chn\\"
"DOCSource"="C:\\Flexcube\\branch\\web\\branch\\docs\\html\\chn\\"
"NLS_XMLPath"="C:\\Flexcube\\branch\\web\\branch\\utl\\\\NLS\\"

c)

[HKEY\_LOCAL\_MACHINE\SOFTWARE\IFLEX\Flexcube\ControlBrn\Resources\TP] "ENG"="MsgEng.dll" "JAP"="MsgJap.dll" "CHN"="MsgChn.dll"

 $[HKEY\_LOCAL\_MACHINE \ SOFTWARE \ IFLEX \ Flexcube \ Control Brn \ Resources \ TP]$ 

"ENG"="MsgEng.dll"

"JAP"="MsgJap.dll"

"CHN"="MsgChn.dll"

d)

Ξ	[HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\KEY_OraClient11g_home1]
	"ORACLE_HOME"="C:\\app\\fcvcoadminga\\product\\11.2.0\\client_1"
	"ORACLE_HOME_NAME"="OraClient11g_home1"
	"ORACLE_GROUP_NAME"="Oracle - OraClient11g_home1"
	"ORACLE BUNDLE NAME"="Enterprise"
	"NLS LANG"="AMERICAN AMERICA.ZHS16GBK"
ļ	"OLEDB"="C:\\app\\fcvcoadminga\\product\\11.2.0\\client_1\\oledb\\mesg"
	"0040"="C:\\app\\fcvcoadminga\\product\\11.2.0\\client_1\\oo4o\\mesg"
	"ORACLE_HOME_KEY"="SOFTWARE\\ORACLE\\KEY_OraClient11g_home1"
	"MSHELP_TOOLS"="C:\\app\\fcvcoadminga\\product\\11.2.0\\client_1\\MSHELP"
	"SQLPATH"="C:\\app\\fcvcoadminga\\product\\11.2.0\\client_1\\dbs"
	'NLS_LANG_en"="AMERICAN_AMERICA.WE8MSWIN1252"
	'NLS_NUMERIC_CHARACTERS"=".,"
	'NLS_DATE_FORMAT"="DD-MON-YYYY"
	'NLS_SORT"="BINARY"
	'NLS_TERRITORY"="AMERICA"
	'NLS_DATE_LANGUAGE"="AMERICAN"

reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_LANG /t REG\_SZ /d AMERICAN\_AMERICA.ZHS16GBK /f reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_LANG\_en /t REG\_SZ /d AMERICAN\_AMERICA.WE8MSWIN1252 /f reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_NUMERIC\_CHARACTERS /t REG\_SZ /d ., /f reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_DATE\_FORMAT /t REG\_SZ /d DD-MON-YYYY /f reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_SORT /t REG\_SZ /d BINARY /f reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_TERRITORY /t REG\_SZ /d AMERICA /f

reg add "HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient11g\_home1" /v NLS\_DATE\_LANGUAGE /t REG\_SZ /d AMERICAN /f

FAQ Decrypt Branch of Regedit

1.) Goto the encrypt folder

 $C:\label{eq:constall} Cmd\fickadm\Debug$ 

### 2.) Confirm the password is correct in setDBPass.cmd

#### Red is host user password, blue is branch user password

encrypt2 r HIUT502R1N SOFTWARE\IFLEX\Flexcube\Download\DL1\Storage\LO1\interface Password encrypt2 r HIUT502R1N SOFTWARE\IFLEX\Flexcube\LO1 DbPassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Report\BRN9999 dbpassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Report\BRN9999 CPDbPassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Report\BRN9999 CRDbPassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Download\DL1\Storage\BRN9999\interface Password encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Download\DL1\Storage\BRN9999\interface Password encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Download\DL1\Parameters\Db Password encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\BRN9999\Database dbpassword execute this setDBPass.cmd

3.) If you want to modify other branch passwordPlease modify setDBPassForSepcialBranch.cmd.Red is branch code which you want to modify, blue is branch user password

encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Report\BRN11 dbpassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Report\BRN11 CPDbPassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Report\BRN11 CRDbPassword encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\Download\DL1\Storage\BRN11\interface Password encrypt2 r BIUT502R1N SOFTWARE\IFLEX\Flexcube\BRN11\Database dbpassword

execute this setDBPassForSepcialBranch.cmd