Oracle FLEXCUBE Direct Banking

Installation Manual On Weblogic Application Server Release 12.0.2.0.0

Part No. E50108-01

September 2013

ORACLE

Installation Manual On Weblogic Application Server September 2013

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/ Copyright © 2008, 2013, Oracle and/or its aff

Copyright © 2008, 2013, Oracle and/or its affiliates. All rights reserved.

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

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

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

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

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1. PREFACE	
1.1. INTENDED AUDIENCE	5
1.2. DOCUMENTATION ACCESSIBILITY	5
1.3. ACCESS TO OFSS SUPPORT	5
1.4. Structure	5
1.5.RelatedInformationSources	5
2. ABBREVIATIONS	6
3. PRE- REQUISITES	7
4. APPLICATION SERVER CONFIGURATION	8
4.1. CREATING AND MANAGING A SERVER INSTANCE	8
4.1.1. Creating a WebLogic domain	8
4.1.2. SSL Configuration	19
4.1.3. Create Cluster	19
4.1.4. ORACLE WebLogic server administrative console	20
4.1.5. Enable Archived Real Path	21
4.1.6. Creating a Managed Server	23
4.1.7. Configurations to Start/Stop managed server from Administrative Console	26
4.2. DEPLOYING APPLICATIONS	41
4.2.1. Starting Application	49
5. SETUP JDBC DATA SOURCE AND CONNECTION POOLING	52
6. JMS QUEUE CREATION ON WEBLOGIC SERVER	70
6.1. CREATE JMS MODULE	71
6.2. CREATE JMS FOREIGN SERVER	76
6.3. CREATING DESTINATIONS	83
7. MODULE INSTALLATION	87
7.1. BULK MODULE SETUP	87
7.2. ALERTS NOTIFICATION AND CHASE CYCLE SETUP	88
7.3. J2ME BASED ORACLE FLEXCUBE DIRECT BANKING APPLICATION	89
7.4. SMS BASED ORACLE FLEXCUBE DIRECT BANKING APPLICATION	89
8. DB CREATION	90
9. ENCRYPTION AND DECRYPTION OF PROPERTY FILES	91

10. SERVICE TIER SECURITY	
10.1. Webservice Mode	92
10.2. EJB Mode	97
11. APPENDIX	
12. TOOLS	104

1.Preface

1.1. Intended Audience

This document is primarily targeted at

- Oracle FLEXCUBE Direct Banking Development Teams
- Oracle FLEXCUBE Direct Banking Implementation Teams
- Oracle FLEXCUBE Direct Banking Implementation Partners

1.2. Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.3. Access to OFSS Support

https://flexsupp.oracle.com/

1.4. Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual

Application Server Configuration provides information on Creating and Managing a JMS Servers etc.

Chapters post Application server configuration are dedicated to Setup JDBC data source and Connection Pooling and JMS queue creation on Weblogic server, Module Installation and Encryption and Decryption of property files.

1.5. Related Information Sources

For more information on Oracle FLEXCUBE Direct Banking Release 12.0.2.0.0, refer to the following documents:

Oracle FLEXCUBE Direct Banking Licensing Guide

2.Abbreviations

FCDB	Oracle FLEXCUBE Direct Banking
Java EE / JEE	Java Enterprise Edition
Java SE / JSE	Java 2 Standard Edition
DBA	Database Administrator
JDK	Java Development Kit

3.Pre- requisites

All the software requirements mentioned in the sheet "Oracle_FLEXCUBE_Direct_Banking_Software_Stack" must be installed. Oracle FLEXCUBE Direct Banking application is installed successfully using Oracle FCDB Installer.

4.Application Server Configuration

4.1. Creating and Managing a Server Instance

4.1.1.Creating a WebLogic domain

A domain consists of one or more server instances that can be managed with a single administration server. When the administration server is used to perform a configuration task, the changes made apply only to the domain managed by that administration server. To manage another domain, the administration server for that domain must be used.

Through Wizard:

1. Go to Start Menu →Oracle WebLogic →WebLogic Server 11g R1 →Tools →Configuration Wizard in Windows.

Select "Create a new WebLogic Domain" and click "Next".

💽 Fusion Middleware Configuration Wiz	ard	
Select Domain Source		ORACLE
⊙ Generate a do	main configured automatically to support the following	products:
Basic WebLogic	Server Domain - 10.3.1.0 [wlserver_10.3] *	
Template location:	d:\Oracle\Middleware	Browse
Exit Help		Previous Next

Select "Generate a domain configured automatically to support the following Products" and click "Next"

💽 Fusion Middleware Configuration Wizard	
Select Domain Source	ORACLE
Generate a domain configured automatically to support the following p Basic WebLogic Server Domain - 10.3.1.0 [wlserver_10.3] *	products:
O Base this domain on an existing template	
Template location: d:\Oracle\Middleware	Browse
Exit Help	Previous Next

Specify Domain Name and Location

Fusion Middleware Configuration Wizard			
Specify Domain Name and Location	1		
			URACLE
Er	ter the name and location for the domain:		
Domain name:	ECDBD		
Domain location:	d:\Oracle\Middleware\user_projects\domains	Browse	
E <u>x</u> it <u>H</u> elp			Previous Next

Enter the following values and click "Next"

Field	Value
User Name	<enter username=""></enter>
User password	<enter password=""></enter>
Confirm user password	<repeat password="" same=""></repeat>

💽 Fusion Middleware Configu	ration Wizard	
Configure Administrato	r User Name and Password	ORACLE
💍 Discard Changes		
*User name:	weblogic	
*User password:	*****	
*Confirm user password:	*****	
Description:	This user is the default administrator.	
E <u>x</u> it <u>H</u> elp		Previous Next

Select "Development Mode" under "Web Logic Domain Startup Mode", Select "Available JDKs" in JDK selection and select "Sun SDK 1.6.0_11" and click "Next"

Fusion Middleware Configuration Wizard	_ 🗆 🗙
Configure Server Start Mode and JDK	ORACLE'
Before putting your domain into production, make sure that th Production Environment' in the WebLogic Server documentati To use WebLogic JRockit in production, Oracle recommends d For information about WebLogic JRockit, see the WebLogic JR	he production environment is secure. For more information, see the topic 'Securing a on. eveloping and testing your applications with WebLogic JRockit early in the project cycle. Rockit documentation.
WebLogic Domain Startup Mode	JDK Selection
 Development Mode Utilize boot, properties for username and password and poll for applications to deploy. Sun JDK recommended for better startup performance during iterative development. Production Mode Require the entry of a username and password and do not poll for applications to deploy. WebLogic JRockit JDK recommended for better runtime performance and management. 	• Available JDKs Sun SDK 1.6.0_11 @ d:\Oracle\Middleware\jdk160_11 JRockit SDK 1.6.0_05 @ d:\Oracle\Middleware\jrockit_160_0 • Other JDK Location: Browse
E <u>x</u> it <u>H</u> elp	Previous Next

Do not select any of the check boxes and click "Next"

Fusion Middleware Configuration Wizard	
Select Optional Configuration	ORACLE
□ Administration Server Modify Settings □ Managed Servers, Clusters and Machines Add or Delete Modify Settings □ RDBMS Security Store Modify Settings	
Exit Help	Previous Next



The screen displayed below show the progress

Fusion Middleware Configuration Wiz	ard	
Creating Domain		ORACLE
	Progress:	
	70%	
	Preparing Extracting Domain Contents Creating Domain Security Information	
ORACLE		
		Start Admin Server
Exit Help		Previous Done

Click "Done"

Fusion Middleware Configuration With the second	zard	_ 🗆 🗙
Creating Domain		ORACLE
	Progress: 100%	
	Extracting Domain Contents Creating Domain Security Information Saving the Domain Information Storing Domain Information String Substituting Domain Files Performing OS Specific Tasks Performing Post Domain Creation Tasks Domain Created Successfully! Domain Created Successfully! Domain Location: d:\Oracle\Middleware\user_projects\domains\FCDBD Admin Server URL: http://IFLMUD5HP0615:7001	
ORACLE		☑ Start Admin Server
Exit Help		Previous Done

Using commands.

a) Through the command prompt go to the <Oracle Base Folder>/<WLS home directory>/common/bin

e.g If the base folder is oracle, the path will be D:\oracle\wlserver_10.0\common\bin

- b) Execute the batch file inside it wlst.bat (on Windows) or wlst.sh(on Unix)
- c) The environment will be set and the prompt changes to wls:/offline>
- d) Give the following command to create the domain.

createDomain(domainTemplate, domainDir, user, password)

Argument	Definition
domainTemplate	Name and location of the domain template from which you want to create a domain.
domainDir	Name of the directory to which you want to write the domain configuration information.
user	Name of the default user.
password	Password of the default user.

For e.g.:

createDomain('D:/oracle/wlserver_10.0/common/templates/domains/wls.jar','D:/o
racle/user_projects/domains/trial', '<user_name>','<password>')

This will create a domain under the location D:/oracle/user_projects/domains.

4.1.2.SSL Configuration

For the SSL configurations kindly refer to the doc "Oracle_FLEXCUBE_Direct_Banking_Configure_Apache_HTTP_and_Weblogic"

4.1.3.Create Cluster

For configuration of clusters kindly refer to the doc "Oracle_FLEXCUBE_Direct_Banking_Clustering_on_Weblogic"

4.1.4.ORACLE WebLogic server administrative console.

The Administration Console facilitates in creating, starting, suspending, resuming and stopping servers; deploying applications and other administration facilities.

1. To start the ORACLE WebLogic Server Administration Console in Windows ,click ORACLE Products →User Projects →<domain_name>

To open Administration Console, type http://<hostname OR IP>:<port>/console in browser window.

Enter User Id and Password set during domain creation and click Log In.



1.5.5. Enable Archived Real Path

1. In the ORACLE Weblogic Server Administration Console, click Domain Name → Web Applications

	Home Log Out Preferences	Record Help	Welcome weblogic Connected to ECD
hange Center			welcome, weblogic Connected to: PCD
iew changes and restarts	Home >Summary or Servers >FC		
onfiguration editing is enabled. Future	Settings for FCDBD		
odify, add or delete items in this domain.	Configuration Monitoring	Control Security Web Service Security Notes	
omain Structure	General JTA EJBs We	b Applications Logging Log Filters	
DBD -Environment	Save		
Deployments Services Security Realms	Use this page to define the do	main-wide Web application configuration settings.	
⊕-Interoperability ⊕-Diagnostics	🗐 🕂 Relogin Enabled		Beginning with the 9.0 release the FORM/BASIC authentication behavior has been modified to conform strictly to the J2EE Specification. If a user has logged-in but does not have privileges to access a resource, the 403 (FORBIDCM) page will be returned. Turn this flag on to enable the old behavior, which was to return the user to the login form. More Info
Deploy Web applications Stop deployed Web applications Delete Web applications Update run-time descriptors	ि 🖧 Allow All Roles		In the security-constraints elements defined in a Web application's web.xml deployment descriptor, the auth-constraint element indicates the user roles that should be permitted access to this resource collection. Here role-name = "*" is a compact syntax for indicating all roles in the Web application. In previous releases, role-name = "*" was treated as all users/roles defined in the ream. This parameter is a backward-compatibility switch to restore old behavior. Default behavior is one required by the spec, meaning all roles defined in the web application. If set, the value defined in weblogic.xml (container-descriptor -> allow-all-roles) takes precedence (if set) over this value. More Info
stem Status calth of Running Servers Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)	ि 🔁 Filter Dispatched Re	quests	Indicates whether or not to apply filters to dispatched requests. This is a backward compatibility flag, Until version 8.1, WebLogic Server applied ServletFilters (if configured for the Web application) on request dispatches (and includes/forwards). Servlet 2.4 has introduced the "Dispatcher" element to make this behavior explicit. The default value is Dispatcher REQUEST. In order to be complaint with the IZEE specification, the default value for FilterDispatchedRequestEnabled is false beginning with WebLogic Server 9.0. Note that if you are using old descriptors (meaning web.xml does not have version =2.4), then WebLogic Server automatically uses FilterDispatchedRequestEnabled = true for the Web applications, unless filter-dispatchedRequestEnabled = true for the Web applications. Mailson and, during migration of old domains to the 9.0 domain, the migration plugin automatically sets this flag to true. More Info
	Overload Protection Ena	ibled	This parameter is used to enable overload protection in the webapp container against low memory conditions. When a low memory situation occurs, new session creation attempts will result in weblogic.seviet.SessionCreationException. The application code needs to catch this exception and take proper action. Alternatively appropriate error-pages can be configured in web.xml against weblogic.seviet.SessionCreationException. This check is performed only on memory and replicated sessions. More Info
	X-Powered-By Header:	Servlet/2.4 JSP/2.0	WebLogic Server uses the X-Powered-By HTTP header, as recommended by the Servlet 2.4 specification, to publish its implementation information. More Info
		Г	Determine the same of the file contribution size and for the density of the

2. Scroll down and Check Archived Real Path Enabled and click Save

	overridden for specific Web applications by setting the optimistic- serialization value in weblogic.xml. More Info
Constant and the second	Global property which determines the behavior of the JSP compiler when a jspparam attribute "name" has a request time value. Without this property set to "true", the JSP compiler throws an error for a JSP using a request time value for the "name" attribute as mandated by the JSP 2.0 spec. This property exists for backward compatibility. More Info
Client Cert Proxy Enabled	Specifies whether or not to honor the WL-Proxy-Client-Cert header coming with the request. More Info
Http Trace Support Enabled	Returns the value of HttpTraceSupportEnabled. More Info
WebLogic Plugin Enabled	Specifies whether or not the proprietary WL-Proxy-Client-IP header should be honored. (This is needed only when WebLogic plugins are configured.) More Info
V Auth Cookie Enabled	Whether authcookie feature is enabled or not. More Info
WAP Enabled	Indicates whether the session ID should include JVM information. (Checking this box may be necessary when using URL rewriting with WAP devices that limit the size of the URL to 128 characters, and may also affect the use of replicated sessions in a cluster.) When this box is selected, the default size of the URL will be set at 52 characters, and it will not contain any special characters. More Info
Post Timeout: 30	The amount of time this server waits between receiving chunks of data in an HTTP POST data before it times out. (This is used to prevent denial- of-service attacks that attempt to overload the server with POST data.) More Info
Maximum Post Time: -1	Max Post Time (in seconds) for reading HTTP POST data in a servlet request. MaxPostTime < 0 means unlimited More Info
Maximum Post Size: -1	The maximum post size this server allows for reading HTTP POST data in a servlet request. A value less than 0 indicates an unlimited size. More Info
😨 Work Context Propagation Enabled	Indicates whether or not WorkContextPropagation is enabled. By default it is turned on. There is a little overhead involved in propagating WorkContexts. Therefore, if you don't care about WorkContext propagation, turn this value off in production environments. More Info
المعالمة عليه المعالمة	Returns the P3P Header value that will be sent with all responses for http requests (if non-null). The value of this header points to the location of the policy reference file for the Web site. More Info
🗐 🕁 JSP Compiler Backwards Compatible	Global property to determine the behavior of the JSP compiler. When this property set to "true", the JSP compiler throws a translation error for JSPs that do not conform to the JSP2.0 specification. This property exists for backward compatibility. More Info
团 码 Archived Real Path Enabled	Global property to determine the behavior of getRealPath() for archived web applications. When this property set to "true", getRealPath() will return the canonical path of the resource files. More Info
 Save	

Copyright © 1996,2009, Oracle and/or its atfiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

4.1.6.Creating a Managed Server

1. In the ORACLE Weblogic Server Administration Console, click Environment → Servers

Summary of Servers - FCDB62_DOMAIN - V	WLS Console - Mozilla Firefox							7 x
Ile Edit View History Bookmarks Loon	ls <u>H</u> elp							
Summary of Servers - FCDB02_DOIVIAIN	T							
flmudim13095:7001/console	e/console.portal?_nfpb=true&_pageLabel=CoreSe	<pre>:rverServerTablePage</pre>		☆ マ C 🚺	Google Go			*
🤳 Local 📕 QT 📙 Bugs 🗌 weblogic 🗍	adf login 🧧 ADF Demo 🚼 Google 📙 Setups	; 🛃 workspace						
	Administration Console							Q
Change Center	🖬 Home Log Out Preferences 🔤 Record H	telp			Welcom	e, weblogic Connected t	to: FCDB62_F	DOMAI
View changes and restarts	Home >Summary of Servers							
Configuration editing is enabled. Future	Summary of Servers							
modify, add or delete items in this domain.	Configuration Control							
Domain Structure	1							
FCDB62_DOMAIN	A server is an instance of WebLogic Server the	at runs in its own Java Virtual Machir	ne (JVM) and has its own conf	figuration.				
Environment Deployments	This page summarizes each server that has be	een configured in the current WebLo	gic Server domain.					
E-Services								
Security Realms	C2							
Interoperability Diagnostics	Customize this table							
	Converse (Eiltared - More Columns Evist	N						
	Servers (riitered - Piore Columns Laist))						
	New Clone Delete			1		Showing 1 to 1 of 1	Previous N	ext
	🔲 Name 🏟	Cluster	Machine	State	Health	Listen Port		
	AdminServer(admin)			RUNNING	🖋 ОК	7001		
How do I 😑	New Clone Delete					Showing 1 to 1 of 1	Previous Ne	ext
Create Managed Servers								
Clone Servers								
Delete Managed Servers								
Delete the Administration Server								
Start and stop servers								
System Status	i							
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (1)								
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporatis	II rights reserved. ion and/or its affiliates. Other names may be trademarks of	their respective owners.						

Click "New"

Enter the "Server Name" as "FCDBServer", set the Server listen Port to "7002" or any free port that is not in use.

Select the radio button against No, this is a stand-alone server and click "Finish"

Create a New Server - FCDB62_DOMAIN - V	VLS Console - Mozilla Firefox		
<u>File Edit View History Bookmarks T</u> ools	s <u>H</u> elp		
Create a New Server - FCDB62_DOMAIN	+		-
♦ ifImudim13095:7001/console/	/console.portal?CoreServerCreateServerPortletreturnTo=CoreServerServ	erTablePage&CoreServerServerTablePortletl 🏫 🔻 建	Google 🔎 🍙 🥐 🔹
🦲 Local 📙 QT 📙 Bugs 🔅 weblogic 🔅 a	adf login 🧧 ADF Demo 🚼 Google 📙 Setups 🗮 workspace		
ORACLE WebLogic Server®	Administration Console		Q
Change Center	î Home Log Out Preferences 🔛 Record Help	Q	Welcome, weblogic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Servers		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Server Back Next Finish Cancel		
Domain Structure	Server Properties		
FCDB62_DOMAIN - Environment - Deployments - Services	The following properties will be used to identify your new server. * Indicates required fields		
Security Realms	What would you like to name your new server?		
Diagnostics	* Server Name:	FCDBserver	
	Where will this server listen for incoming connections?		
	Server Listen Address:		
Lum da T	* Server Listen Port:	7004	
Create Managed Servers	Should this server belong to a cluster?		
Configure default network connections	No, this is a stand-alone server.		
System Status	Yes, create a new cluster for this server.		
Health of Running Servers	Back Next Finish Cancel		
Failed (0) Critical (0)			
Overloaded (0)			
Warning (0)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All	l rights reserved.		

Server created successfully is displayed and summary of servers is shown.

Summary of Servers - FCDB62_DOMAIN - W	NLS Console - Mozilla Firefox					
<u>File Edit View History Bookmarks Tools</u>	s <u>H</u> elp					
Summary of Servers - FCDB62_DOMAIN	+					-
(+) iflmudim13095:7001/console/	/console.portal?_nfpb=true&_pageLabel=CoreSe	rverServerTablePage		☆ ≂ C 🚼	→ Google	۶ 🌪 ר
🔒 Local Ы QT Ы Bugs 🔅 weblogic 🔅 a	adf login 🛄 ADF Demo 🔧 Google 📙 Setups	🖶 workspace				
ORACLE WebLogic Server®	Administration Console					Q
Change Center	🛍 Home Log Out Preferences 🔤 Record H	elp	Q		Welcome,	weblogic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Servers					
Configuration editing is enabled. Future	messages					
modify, add or delete items in this domain.	All changes have been activated. No restant Server created successfully.	ts are necessary.				
Domain Structure						
FCDB62_DOMAIN	Summary of Servers					
Environment	Configuration Control					
Deployments Deployments						
Security Realms	A server is an instance of WebLogic Server that	at runs in its own Java Virtua	Machine (JVM) and has its	own configuration.		
the second	This page summarizes each server that has be	en configured in the current	WebLogic Server domain.			
	25					
	Customize this table					
	Commerce (Eitherned Mann Columns Evist)					
	New Cone Delete	•				Chausing 1 to 2 of 2. Browieurs Novt
How do I				<i>a</i>		Showing 1 to 2 of 2 Previous Next
Create Managed Servers	Name 🗠	Cluster	Machine	State	Health	Listen Port
Clone Servers	AdminServer(admin)			RUNNING	✓ OK	7001
Delete Managed Servers	FCDBserver			SHUTDOWN		7004
Delete the Administration Server	New Clone Delete					Showing 1 to 2 of 2 Previous Next
Start and stop servers						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						
	i					
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All	ll rights reserved.					

4.1.7.Configurations to Start/Stop managed server from Administrative Console

Creating Machine

It is required to create a machine in order to Start/Suspend/Resume/Stop the Managed Servers in Weblogic using Administration Console.

1. Click Environment \rightarrow Machines

Click "New" button

Summary of Machines - FCDB62_DOMAIN -	- WLS Console - Mozilla Firefox		
<u>File Edit View History Bookmarks Tools</u>	Help		
Summary of Machines - FCDB62_DOMA	+		
(+) iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLabel=CoreMachineMachineTablePage	☆ マ פ 🚼 ד Google	۹ 📦
📙 Local 🔒 QT 🔒 Bugs 🔅 weblogic 🔅 a	df login 🧧 ADF Demo 🔧 Google 🦲 Setups 🗮 workspace		
ORACLE WebLogic Server®	Administration Console		Q
Change Center	î Home Log Out Preferences 🖾 Record Help	Welcome, we	blogic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Servers >Summary of Machines		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Machines		
Domain Structure	A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (serv in a duster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server us	vers). WebLogic Server uses configured machine na ses the machine definition in conjunction with Node	mes to determine the optimum server Manager to start remote servers.
FCDB62_DOMAIN	This page displays key information about each machine that has been configured in the current WebLogic Server	r domain.	
Servers			
····Clusters	Customize this table		
····Virtual Hosts			
Coherence Servers	Machines		
Coherence Clusters	New Clone Delete		Showing 0 to 0 of 0 Previous Next
····Machines		Turne	
Work Managers		туре	
Deployments	There are no items to disp	olay	
E-Services	New Clone Delete		Showing 0 to 0 of 0 Previous Next
Security Realms			
How do I			
Create and configure machines			
Assign server instances to machines			
Clone machines			
Delete machines			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (1)			
WebLogic Server Version: 10.3.4.0			
Copyright © 1996,2010, Oracle and/or its affiliates. All			
Oracle is a registered trademark of Oracle Corporation	n and/or its affiliates. Other names may be trademarks of their respective owners.		

Enter the Name as "FCDBMachine" and click "Next"

🥹 Create a New Machine - FCDB62_DOMAIN -	- WLS Console - Mozilla Firefox				
<u>File Edit View History Bookmarks Tools</u>	<u>H</u> elp				
Create a New Machine - FCDB62_DOMA	+				.
♦ ♦ iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLabel=CoreMacl	hineCreateMachine	☆ ~ C	<mark>∛]</mark> → Google	۶ 🏘 -
🔒 Local 🎒 QT 🍶 Bugs 🔅 weblogic 🔅 a	adf login 🧧 ADF Demo 🔧 Google 🔒 Setups 🗧	workspace			
	Administration Console				Q
Change Center	🛍 Home Log Out Preferences 🔤 Record Help	Q		Welcome, weblogic	Connected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Servers >Summary of Machine	25			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Machine Back Next Finish Cancel				
Domain Structure	Machine Identity				
FCDB62_DOMAIN	The following properties will be used to identify yo * Indicates required fields	our new Machine.			
···Virtual Hosts	What would you like to name your new Machine?				
Coherence Servers	* Name:	500014			
Coherence Clusters	nume.	FCDBMachine			
Work Managers	Specify the type of machine operating system.				
Startup and Shutdown Classes					
T-Deployments	Machine 05:	Other -			
-Security Realms	Deals Next Count				
How do I					
Create and configure machines					
Assign server instances to machines					
Delete machines					
System Status					
Health of Running Servers					
Failed (0) Critical (0)					
Overloaded (0)					
Warning (0)					
OK (1)					
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	i rights reserved. n and/or its affiliates. Other names may be trademarks of the	ir respective owners.			

Select "Type" as "Plain" from the drop down list and click Finish.

Oreate a New Machine - FCDB62_DOMAIN -	N - WLS Console - Mozilla Firefox	7 X
<u>File Edit View History Bookmarks T</u> ools	Is <u>H</u> elp	
Create a New Machine - FCDB62_DOMA		-
iflmudim13095:7001/console/	e/console.portal?CoreMachineCreateMachinePortlet_actionOverride=/com/bea/console/actions/core/machine/cres 🏠 🔻 C 👔 - Google 🔎 🛕	· 🥐 •
📙 Local 📙 QT 📙 Bugs 🔅 weblogic 🔅 a	adf login 🖸 ADF Demo 🔧 Google 📒 Setups 🖶 workspace	
	Administration Console	Q
Change Center	🟦 Home Log Dut Preferences 🗟 Record Help	DOMAIN
View changes and restarts	Home >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMac	
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New Machine	
modify, add or delete items in this domain.	Back Next Finish Cancel	
Domain Structure	Node Manager Properties	
P-Environment	The following properties will be used to configure the Node Manager on this machine.	
Servers	What type of Node Manager is running on this server, and what protocol should be used to communicate with it?	
····Virtual Hosts	d∰ Type: SSI ▼	
Coherence Servers		
Coherence Clusters	What address and port is this Node Manager configured to listen at?	
Work Managers	Listen Address: localhost	
Deployments	Listee Bast	
Services Security Realms T	bsei Port 5556	
How do I	Depending on the Node Manager type, additional properties may be configured.	
Create and configure machines	de Manager Home:	
Assign server instances to machines		
Delete machines	₫ Shell Command:	
System Status	Debug Enabled	
Health of Running Servers	Back Next Finish Cancel	
Failed (0)		
Critical (0) Overloaded (0)		
Warning (0)		
OK (1)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All	All rights reserved.	
Oracle is a registered trademark of Oracle Corporation	ion and/or its affiliates. Other names may be trademarks of their respective owners.	

Machine created successfully message is displayed.

Summary of Machines - FCDB62_DOMAIN -	- WLS Console - Mozilla Firefox		
<u>File Edit View History Bookmarks T</u> ools	<u>H</u> elp		
Summary of Machines - FCDB62_DOMA	+		-
(+) iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLabel=CoreMachineMachineTablePage	🏫 マ 🖱 🚼 - Google	۹ 🖗 ۲
📙 Local 🔒 QT 🔒 Bugs 🗌 weblogic 🗍 a	df login 🧧 ADF Demo 🔧 Google 📙 Setups 🗮 workspace		
	Administration Console		Õ
Change Center	î Home Log Out Preferences 🗁 Record Help	Welcome, weblogic	Connected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Servers >Summary of Machines Messages		
configuration editing is enabled. Future changes will automatically be activated as you	All changes have been activated. No restarts are necessary.		
modify, add or delete items in this domain.	So Machine created successfully		
Domain Structure	Summary of Machines		
FCDB62_DOMAIN			
Servers	A machine is the logical representation of the computer that hosts one or more WebLogic Server instance	es (servers). WebLogic Server uses configured machine names to	o determine the optimum server
Virtual Hosts	in a duster to which certain tasks, such as HTTP session replication, are delegated. The Administration S	erver uses the machine definition in conjunction with Node Mana,	ger to start remote servers.
Migratable Targets E	This page displays key information about each machine that has been configured in the current WebLogi	,ic Server domain.	
Coherence Clusters	D. Contractor Mitchelle		
Machines	Customize this table		
	Machines		
Deployments	New Clone Delete	Show	wing 1 to 1 of 1 Previous Next
Security Realms	🔲 Name 🏟	Туре	
How do L	FCDBMachine	Machine	
Create and configure machines	New Clone Delete	Show	wing 1 to 1 of 1 Previous Next
Assign server instances to machines			
Clone machines			
Delete machines			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
OK (1)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All			

Click on Newly created FCDBMachine.



Click Servers under the "Configuration tab.

Settings for ECDBMachine - ECDB62 DOMA	MN - WIS Console - Mozilla Firefox							
File Edit View History Bookmarks Tools	ile Edit View History Bookmarks Iools Help							
Settings for FCDBMachine - FCDB62_DO	+					-		
iflmudim13095:7001/console/	console.portal? nfpb=true& pageLabe	el=CoreMachineConfigServer	sPage&handle=com.bea.conso	le.handles.JMXI ☆ ▽	C Google	۹ 🎓 🥐 י		
Local D OT Burgs weblogic a	Local O T . Russ D weblonic D atfilonin 🖸 ADF Demo 🔧 Google D. Setuns 🚍 workspace							
	Administration Console					0		
	Home Log Out Preferences	Record Help	Q		Welcome	e. weblogic Connected to: FCDB62 DOMAIN		
Change Center	Home >Summary of Servers >Summar	y of Machines > FCDBMachine >S	ummary of Machines >FCDBMachine	e				
Configuration editing is enabled. Future	Settings for FCDBMachine							
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring Note	es						
Domain Structure	General Node Manager Serve	rs						
FC0862_DOMAIN	This page displays the servers that I Customize this table Servers (Filtered - More Column	have been assigned to this Mac ns Exist)	hine. You can select a server to cor	nfigure from the list of av	ailable servers.			
····Coherence Clusters ····Machines	Add Remove					Showing 0 to 0 of 0 Previous Next		
Work Managers	Name 🗞	Cluster	Machine	State	Health	Listen Port		
-Deployments		Cluster	There are no ite	ms to display	riculti			
Security Realms	Add Remove					Showing 0 to 0 of 0 Previous Next		
How do I								
Create and configure machines Create Managed Servers Delete machines Assign server instances to machines System Status Health of Running Servers Felad (0) Critical (0) Overloaded (0) Warning (0) OK (1)								
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	l rights reserved. n and/or its affiliates. Other names <u>may be trac</u>	demarks of their respective owner	s.					

Click Add button to add a server to machine

Add a Server to Machine - FCDB62_DOMAI	N - WLS Console - Mozilla Firefox		
<u>File Edit View History Bookmarks Tools</u>	s <u>H</u> elp		
Add a Server to Machine - FCDB62_DOM	+		
ifImudim13095:7001/console/	/console.portal?_nfpb=true&_pageLabel=CoreMachineAddServer	☆ マ C	۹ 🕈
🔒 Local 🎒 QT 🎒 Bugs 🗍 weblogic 🗍 a	adf login 🖸 ADF Demo 🔧 Google 📙 Setups 🖶 workspace		
ORACLE WebLogic Server®	Administration Console		Q
Change Center	n Home Log Out Preferences 🔤 Record Help	Welcome, weblogic	onnected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDB	3Machine	
Configuration editing is enabled. Future changes will automatically be activated as you	Add a Server to Machine		
modify, add or delete items in this domain.	Back Next Finish Cancel		
Domain Structure	Identify Server		
FCDB62_DOMAIN	Identify the server to be added		
Servers Clusters	How would you like to proceed?		
Virtual Hosts	In the second		
Coherence Servers	Select a server: FCDBserver	3	
Machines Work Managers	Create a new server and associate it with this machine		
Startup and Shutdown Classes			
B-Services	Back Next Finish Cancel		
Security Realms			
How do I			
No task help found.			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0) Warning (0)			
OK (1)			
WebLogic Server Version: 10.3.4.0			
Copyright © 1996,2010, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporatio	I rights reserved. In and/or its affiliates. Other names may be trademarks of their respective owners.		

Check the radio button against "Select an existing server, and associate it with this machine". Select FCDBServer from the "Select a Server" drop down and click on "Finish". Server created successfully message is displayed

🥹 Settings for FCDBMachine - FCDB62_DOMAIN - WLS Console - Mozilla Firefox												
File Edit View History Bookmarks Tools Help												
Settings for FLUBMachine - FLUB62_00												
🗲 🕈 📋 iffmudimi3095:7001/console_orosole.portal?_nfpb=true&_pageLabel=CoreMachineConfigServersPage 🏠 🕫 C 🖁 🖉 Gogle P 🏠 📽												
📙 Local 📙 QT 🦲 Bugs 🗍 weblogic 🗍 adf login 🖸 ADF Demo 🔧 Google 🔒 Setups 🚍 workspace												
ORACLE WebLogic Server® Administration Console												
Change Center	🟦 Home Log Out Preferences 🗟 Record Help											
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Home >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine Hessages val val val val val val val va											
Domain Structure	- · · ·											
FCDB62_DOMAIN	Settings for FCDBMachine											
Environment Servers Clusters	Configuration Monitoring N General Node Manager Serv	vers										
V-thal Hosts Migratable Targets Coherence Servers Coherence Clusters Machines Machines Servers Sartup and Shutdown Classes Denkoments	rgets rvers usters rs hutdown Classes Fittered - More Columns Exist)											
Services	Add Remove					Showing 1 to 1 of 1 Previous Next						
H-Security Realms	□ Name ↔	Cluster	Machine	State	Health	Listen Port						
How do I	FCDBserver		FCDBMachine	SHUTDOWN		7004						
Create and configure machines Create Managed Servers	Add Remove		1		1	Showing 1 to 1 of 1 Previous Next						
Delete machines												
Assign server instances to machines												
System Status												
Predict or kulting set ves Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)												
Copyright © 1996,2010, Oracle and/or its affiliates. All	rights reserved.											

Configuring Managed Server

1. Click on Environment \rightarrow Server in the left menu.



Click on server name with FCDBServer"

Settings for FCDBServer - FCD × 8 weblog	gic using frocket - Google ×	🕺 BUG	× se	arch Accounts	×								
← → C 🕓 10.184.132.155:7060/console/													
For quick access, place your bookmarks here on the bookmarks bar. Impert bookmarks now													
ORACLE WebLogic Server® Administration Console													
Change Center	🏠 Home Log Out Preferences 🖾 Record Help												
View changes and restarts	Home >Summary of Servers >FCDBServer												
Configuration editing is enabled. Future	Settings for FCDBSer	ver											
modify, add or delete items in this domain.	Configuration Pro	oug Monitoring Cont	Notes				_						
Domain Structure	General Cluster	Services Keystores	SSL Federation Serv	ices Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services			
FCDB1201	Save												
Servers													
	lusters Use this page to configure general features of this server such as default network communications. Irrtual Hosts												
	Name:		FCDBServer					umeric name for this s	erver instance.	More Info			
Coherence Clusters	🚱 Machine:		ECDBMachine				The WebLo	ogic Server host comp	uter (machine) c	ne) on which this server is meant			
Work Managers							to run. M	lore Info					
Deployments	🕂 Cluster:		(Stand-Alone) 💌				The cluster belonas.	, or group of WebLo More Info	gic Server instan	ces, to which this server			
Security Realms							The TD edd			Robert Construction	- 11		
How do I 😑	de Listen Address:						connection	is. More Info	s server uses to	listen för incoming			
Configure default network connections	V Listen Port Enabled Specifies whether this server can be reached through the default plain-text												
Create and configure machines Configure clusters							(non-55L)	isten port. More Inf	·o				
Start and stop servers	Listen Port:		7062				The defaul incoming c	t TCP port that this s onnections. More In	erver uses to list fo	en for regular (non-SSL)			
Configure WLDF diagnostic volume	SEL Listen Port F	in abled					Indicates u	whether the cerver ca	in he reached th	rough the default SSI listen			
System Status	SSE LISCEN FOR L	Inableu					port. Mor	re Info	in bo redened en	longin are dender oor intern			
Health of Running Servers	SSL Listen Port:		7063				The TCP/IF requests.	port at which this se More Info	rver listens for S	ISL connection			
Critical (0) Critical (0) Overloaded (0)	🗆 🕂 Client Cert Pr	roxy Enabled					Specifies w special hea	whether the HttpClust ader. More Info	erServlet proxie:	s the client certificate in a			
Warning (0) OK (1)	Java Compiler:		javac				The Java compiler to use for all applications hosted on this server that need to compile Java code. More Info						
	Diagnostic Volume:		Low				Specifies the WebLogic state does not a controls the Info	ne volume of diagnos Server at run time. Ni ffect explicitly config e volume of events g	tic data that is a ote that the WLD ured diagnostic n enerated for JRC	utomatically produced by IF diagnostic volume setting nodules. For example, this nckit Flight Recorder. More			
	— 🖗 Advanced —										-		
	Save												

On General tab, please ensure that the 'SSL Listen Port Enabled' feature is enabled (as it is mandatory). And the Listen Address should be "<u>App Server IP</u>"

Note: If you are using APACHE HTTP server then kindly refer

Oracle_FLEXCUBE_Direct_Banking_Configure_Apache_HTTP_and_Weblogic manual for more details.

Click on Server Start under Configuration tab.

ettings for FCDBserver - FCDB62_DOMAIN Edit View History Bookmarks Tool	I - WLS Console - M s Help	lozilla Firefox											
ettings for FCDBserver - FCDB62_DOM	+												
iflmudim13095:7001/console/	/console.portal?_nfp	ob=true&_pag	geLabel=Server	Config	ServerstartTabPage8	thandle=com.l	bea.console.	handles.JN	vixi ☆ ∽	C 🚼 - Google			P 🏫
cal 📙 QT 📙 Bugs 🔅 weblogic 🔅 a	adf login 🖸 ADF D	emo 🚼 Goo	ogle 🔒 Setup:	s 🖬 v	workspace								
	Administration C	onsole											
ge Center	Home Log C	Out Preference	es 🔤 Record H	Help		Q				Welc	ome, weblogic	Connected to: FC	DB62_DOM
changes and restarts	Home > FCDBMa	achine >Summai	ry of Machines >F	CDBMa	chine >Summary of Ser	vers >Summary (of Machines >I	-CDBMachir	ne >Summary	y of Machines > FCDBM	lachine >Summary	of Servers >FCDBs	erver
uration editing is enabled. Future s will automatically be activated as you	Settings for FC	DBserver											
, add or delete items in this domain.	Configuration	Protocols	Logging Deb	ug	Monitoring Control	Deployments	Services	Security	Notes				
in Structure	General Clus	ster Service	s Keystores	SSL	Federation Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	
_DOMAIN ^	Save												
Servers Clusters								_					
Virtual Hosts Migratable Targets	Node Manager that Node Mar	r is a WebLogic hager will use to	server utility the start this serve	r on a r	can use to start, suspe remote machine.	na, shut down,	and restart s	ervers in no	ormal or une:	xpected conditions. U	ise this page to co	nngure the startup	o settings
Coherence Servers													
Coherence Clusters Machines	Java Home:								The Jav use whe	a home directory (pa en starting this server	th on the machine . More Info	running Node Man	ager) to
Work Managers Startup and Shutdown Classes	Java Vendor								The lay	a Vendor value to use	e when starting th	is server For exam	nle BEA
ployments	Sura vendori								Sun, HP	etc More Info	e menotarang ar	S SCI VCI I OF CAU	prof barry
rurity Realms	BEA Home:								The BEA	A home directory (path	h on the machine r	unning Node Mana	ager) to
o I 📼									use whe		. Hore Intern		
figure startup arguments for Managed /ers	Root Director	γ:							The dire be on th Root Dir	ectory that this server ne computer that host rectory value, the dor	r uses as its root d ts the Node Manag main directory is u	irectory. This directory. This directory. The sector of th	tory must specify a fore Info
t Managed Servers from the inistration Console	Class Path:								The clas	spath (path on the m	achine running No	de Manager) to us	e when
down a server instance									starting	this server. More Ir	nfo		
m Status 🖂													
of Running Servers													
Failed (0)													
Critical (0)													
Overloaded (0) Warning (0)	Arguments:								The arg	uments to use when s	starting this serve	 More Info 	
OK (1)													
	Security Polic	y File:							The sea	urity policy file (direct	ory and filename of	on the machine run	ning Node
									Manage	r) to use when startir	ng this server. M	ore Info	
	User Name:								The use	r name to use when b	pooting this server	. More Info	

Enter the following values and click "Save"

Assuming the <FCDB BASE DIR> as Base Working Directory specify the path for all the jars from the following location.

Location	Description					
<fcdb base="" dir="">\system\build\kernel</fcdb>	Select the release jar FCDB_kernel.jar kept at this location.					
<fcdb base="" dir="">\system\build\extclasses\jars</fcdb>	Select all the external or third-party jars within this folder.					

Also mention the path for the home folder and logs.
Property Name	Value	Description		
Java Home	<pre><oracle base="" folder="">\jrockit-jdk1.6.0_22- R28.1.1-4.0.1</oracle></pre>	The Java home directory		
Class Path	<fcdb base<br="">DIR>\system\build\kernel\FCDB_kernel.jar;<oracle Base Folder>\jdk150_11\lib\tools.jar;<oracle base<br="">Folder>\wlserver_10.0\server\lib\weblogic.jar;< Oracle Base Folder>\wlserver_10.0\server\lib\webservices.jar;< FCDB BASE DIR>\system\build\extclasses\jars\<include all="" jars<br="">residing in this path>;%classpath%;</include></oracle></oracle </fcdb>	Set the Classpath, in case of windows environment use (;) as separator and in case of Unix use (:). There Shouldn't be any space between variables.		
Arguments (When JRockit is used)	-Dfcat.basedir= <base folder=""/> -Dfcat.propfile.isencr=false -Dfcat.jvm.id=1	Path to all folders holding application relevant jar files, location of class files		
	-Dweblogic.Stdout= <fcat.logfile.path>\logs\ FCDBServerOut.log</fcat.logfile.path>	generated, logs and home folder which will be used when starting the server.		
	 Dweblogic.Stderr=<fcat.logfile.path>\logs\</fcat.logfile.path> FCDBServerErr.log -Xms1024M -Xmx1536M Dweblogic.ext.dirs= < Oracle Base Folder>\jdk150_11\ lib 	Note: Property "fcat.propfile.isencr" indicates the properties file's		
	- Dweblogic.security.SSL.ignoreHostnameVerificatio n=true	encryption status. Set as 'true' if files are encrypted, else set as 'false'. Refer		
	-Dweblogic.security.TrustKeyStore=DemoTrust -Dweblogic.security.SSL.enforceConstraints=off	to point 8 in this document for more details.		
	Xmanagement:ssl=false,authenticate=false,port=7 091			
Arguments	-Dfcat.basedir= <base folder=""/>			
(When SUN JDK is	-Dfcat.propfile.isencr=false			
used)	-Dfcat.jvm.id=1			
	-Dweblogic.Stdout= <fcat.logfile.path>\logs\</fcat.logfile.path>			
	FCDBServerOut.log			
	- Dweblogic.Stderr= <fcat.logfile.path>\logs\</fcat.logfile.path>			
	FCDBServerErr.log -XX:PermSize=512m - Xms1024M -Xmx1536M			
	- Dweblogic.ext.dirs= < Oracle Base Folder>\jdk150_11\ lib			

Example configure the following properties.

	- Dweblogic.security.SSL.ignoreHostnameVerificatio n=true	
	-Dweblogic.security.TrustKeyStore=DemoTrust -Dweblogic.security.SSL.enforceConstraints=off -	
Note:-	Username and Password should be blank.	

Edit view Pavorites Tools He	lp												
O McAfee' / ▼	Mar N							differen					
avorites 🛛 👍 🔃 NEW - F001 - IT 🚺	2 NEW - B001 -	П 🙆 Р	Reset R 🥫	RESET 🙋 IT	-R PA	SS 🔃 F001-IT 🔃	B001-IT 🍸 Л	RA 🔊 BUG	G 🙋 IFLE	X P One	Flex 🔞 F001 🔞	8001 🙋 WLS 🎍	🗿 Get more Add-ons 🔻
🏉 Custom Report: My Open 🏼 🏉 S	Settings for FCDB	Server	x								🟠 🝷 🔝	• 🖃 🖶 •	Page 👻 Safety 👻 Tools 👻
	Administratio	n Conso	ole										(
an Contor	Home Lo	og Out P	references	Record He	ab de		Q					Welcome.	weblogic Connected to: FC
changes and restarts	Home >Sum	mary of S	ervers >FCE	BServer	. 1	L							- 1
suration editing is enabled. Future	Settings for	FCDBSe	erver										
es will automatically be activated as you	Configurat	tion Pr	otocols I	ogging Debu	n N	Ionitoring Control	Deployments	Services	Security	Notes			
//	Comgarac			ogging Debe	a .		Deplo finento	Der vices	beediney	- I I	1)
ain Structure	General	Cluster	Services	Keystores	SSL	receration Services	Deployment	Migration	luning	Overload	Health Monitoring	Server Start	web Services
vironment	Save												
ployments													
rvices	Node Mana	ager is a \	WebLogic Se	rver utility that	you ca	an use to start, susper	nd, shut down, a	and restart se	ervers in no	rmal or unex	xpected conditions. U	lse this page to co	nfigure the startup settings
curity Realms	that Node	Manager	will use to s	tart this server	on a re	emote machine.							
apostics													
agrios des	Java Home	e:	D:\C	racle/Middle	waro\i	idk160_24				The Java home directory (path on the machine running Node Manager) to use			
		D. Wracie windule ware yok 100_24					when starting this server. More Info						
		Zene Venden											
	Java Vend	lor:							The Java Vendor value to use when starting this server For example, bEA, Sun, HP etc More Info				
	2.1												
	BEA Home	5								The BEA	home directory (path	n on the machine ri	unning Node Manager) to use
										when sta	arting this server. N	lore Info	
4-7			-										
do I 🖂	Root Direc	tory								The direct	ctory that this server	uses as its root di	rectory This directory must b
do I figure startup arguments for Managed	Root Direc	ctory:	-							The direct on the co	ctory that this server omputer that hosts th	uses as its root di ne Node Manager.	rectory. This directory must b If you do not specify a Root
do I Infigure startup arguments for Managed vers	Root Direc	ctory:								The direct on the co Directory	ctory that this server omputer that hosts th y value, the domain d	uses as its root di ne Node Manager. lirectory is used by	rectory. This directory must b If you do not specify a Root default. More Info
do I figure startup arguments for Managed vers rt Managed Servers from the initiations consult.	Root Direc	ctory:								The directory	ctory that this server omputer that hosts th y value, the domain d	uses as its root di ne Node Manager. lirectory is used by	rectory. This directory must be If you do not specify a Root default. More Info
do I infigure startup arguments for Managed vers rt Managed Servers from the ministration Console	Root Direc	tory:	em\build	1\kernel\F	CDB	kernel.jar:D:	\FCDB\svs1	tem\b		The direct on the co Directory The class starting	ctory that this server omputer that hosts th y value, the domain of spath (path on the m this server. More Ir	uses as its root di ne Node Manager. lirectory is used by achine running Noo nfo	rectory. This directory must t If you do not specify a Root default. More Info de Manager) to use when
do I Infigure startup arguments for Managed vers r t Managed Servers from the ministration Console ut down a server instance	Class Path D:\FCDB uild\ke	tory: : 3\syst ernel\	em\build Interna	1\kernel\F L\FCDB_int	CDB_	kernel.jar;D: al.jar;D:\Orac	\FCDB\sys le	tem\b		The direct on the co Directory The class starting	ctory that this server omputer that hosts th y value, the domain of spath (path on the m this server. More Ir	uses as its root di ne Node Manager. lirectory is used by achine running Noo nfo	rectory. This directory must t If you do not specify a Root 'default. More Info de Manager) to use when
do I figure startup arguments for Managed vers rt Managed Servers from the ministration Console it down a server instance	Class Path D:\FCDB uild\ke \Middle	ctory: : : : : : : : : : : : : : : : : : :	em\build Interna jdk160_3	i\kernel\F L\FCDB_int 24	CDB_	_kernel.jar;D; al.jar;D:\Orac	\FCDB\syst le	tem\b		The direct on the co Directory The class starting t	ctory that this server omputer that hosts th y value, the domain d spath (path on the m this server. More Ir	uses as its root di ne Node Manager. lirectory is used by achine running Noo ifo	rectory. This directory must t If you do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \lib\to	tory: Slayst ernel\ ware\ bols.j	em\build Interna jdk160_3 ar;D:\0	i\kernel\F L\FCDB_int 24 racle\Midd	CDB_ erna	_kernel.jar;D; hl.jar;D:\Orac are\wlserver_1	\FCDB\syst le 0.3	tem\b *		The direct on the co Directory The dass starting	ctory that this server omputer that hosts th y value, the domain d spath (path on the m this server. More Ir	uses as its root di ne Node Manager, irrectory is used by achine running Noo ifo	rectory. This directory must b If you do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \lib\to \server	story: a: a: a: a: a: a: a: a: a: a	em\build Interna jdk160_; ar;D:\O: weblogid	d\kernel\F L\FCDB_int 24 racle\Midd c.jar;D:\O	CDB_ erna llewa	_kernel.jar;D; ll.jar;D:\Orac are\wlserver_1 Le\Middleware\	\FCDB\sys le 0.3 wlserver_:	tem\b		The direc on the co Directory The class starting t	ctory that this server omputer that hosts ti y value, the domain c spath (path on the m this server. More Ir	uses as its root di ne Node Manager, irrectory is used by achine running Nod	rectory. This directory must i If you do not specify a Root default. More Info de Manager) to use when
do I figure startup arguments for Managed vers r Managed Servers from the ministration Console m Status for Running Servers Failed (0)	Class Path D:\FCDB uild\ke \Middle \lib\to \server \server	ctory: : : : : : : : : : : : : :	em\build Interna jdk160_; ar;D:\O; weblogid	d\kernel\F L\FCDB_int 24 racle\Midd c.jar;D:\C	CDB_ erna llewa)racl	_kernel.jar;D; l.jar;D:\Orac are\wlserver_1 Le\Middleware\	\FCDB\syst le 0.3 wlserver_:	tem\b		The direct on the co Directory The class starting f	ctory that this server omputer that hosts ti y value, the domain c spath (path on the m this server. More Ir	uses as its root di ne Node Manager. lirectory is used by achine running Noo fo	rectory. This directory must I If you do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \server \server	: Slyst ernell ewarell clible clible	em\build Interna: jdk160_; ar;D:\O; weblogid	d\kernel\F L\FCDB_int 24 cacle\Midd c.jar;D:\C	CDB_ erna llewa)racl	kernel.jar;D: l.jar;D:\Orac are\wlserver_1 Le\Middleware\	\FCDB\sys ile 0.3 wlserver_:	tem\b		The direct on the co Directory The dass starting t	chory that this server omputer that hosts ti y value, the domain of spath (path on the m this server. More In ments to use when s	uses as its root di en Node Manager. Irrectory is used by achine running Nod fo	rectory. This directory must i fryou do not specify a Root default. More Info de Manager) to use when
hfgure startup arguments for Managed vers rt Managed Servers from the ministration Console at down a server instance arm Status nof Running Servers Critical (0) Overloaded (0)	Root Direct Class Path D:\FCDB uild\ke \Middle \Middle \server \server -Dfcat.	: : : : : : : : : : : : : :	em\build Interna jdk160_2 ar;D:\O: weblogid ir=D:\F(d\kernel\F L\FCDB_int 24 c.jar;D:\C CDB -Dfcat	CDB_ erna llewa)racl	kernel.jar;D: wi.jar;D:\Orac are\wlserver_1 Le\Middleware\ opfile.isenor=	\FCDB\syst ile 0.3 wlserver_: false -	tem\b		The direct on the cos Directory The dase starting to The argu	chary that this server omputer that hosts til y value, the domain of spath (path on the m this server. More In uments to use when s	uses as its root di e Node Manager. Irrectory is used by achine running Noo fo	rectory. This directory must i flyou do not specify a Root default. More Info de Manager) to use when
do I figure startup arguments for Managed vers vers rt Managed Servers from the ministration Console th down a server instance mof Running Servers Failed (0) Critical (0) Overloaded (0) Warning (0)	Root Direct Class Path D:\FCDB uild\ke \Middle \lib\co \server Argument _Dfcat. Dfcat.	ctory: : : : : : : : : : : : : :	em\build Internai jdk160_i ar;D:\O: weblogid ir=D:\F(=1 -	d\kernel\F L\FCDB_int 24 cscle\Midd c.jar;D:\C CDB -Dfcat	CDB_ erna llewa Dracl	kernel.jar;D: l.jar;D:\Orac are\wlserver_1 Le\Middleware\ opfile.isenor=	\FCDB\sys le 0.3 wlserver_ false -	tem\b		The direct on the cc Directory The dass starting i	ctory that this server omputer that hoats ti y value, the domain of spath (path on the m this server. More In uments to use when s	uses as its root di le Node Manager. Irectory is used by achine running Nod fo	rectory. This directory must be fryou do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \ib\co \server \server -Dfcat.j Dfcat.j	r: 3\syst: arnel\: ware\: c\lib\: c\lib\: based ym.id: gic.Sto	em\build Interna jdk160_i ar;D:\O: weblogid ir=D:\F(=1 - dout=D:'	d\kernel\F L\FCDB_int 24 cacle\Midd c.jar;D:\C CDB -Dfcat \FCDBLogs\	CDB_ erna llewa pracl	kernel.jar;D; al.jar;D:\Orac are\wlserver_1 Le\Middleware\ ppfile.isencr= s\FCDBServerOu	\FCDB\syst le 0.3 wlserver_: false - t.log -	tem\b		The direct on the cc Directory The dass starting t	ctory that this server monuter that hosts the value, the domain of spath (path on the m this server. More In uments to use when s	uses as its root di e Node Manager. Irectory is used by achine running Nor fo	rectory. This directory must be flyou do not specify a Root default. More Info de Manager) to use when
do I	Root Direct Class Path D:\FCDB uild\ke \Middle \ib\co \server Argument -Dfcat. Dfcat. Dweblog Dweblog	: S\syst: arnel\: ware\: c\lib\: c\lib\: based jvm.id: pic.St: f.	em\build Interna jdk160_i ar;D:\O: weblogid ir=D:\F(=1 - dout=D:' derr=D:	d\kernel\F L\FCDB_int 24 racle\Midd c.jar;D:\C CDB -Dfcat \FCDBLogs\ TCDBLogs\	CDB erna lewa bracl	kernel.jar;D: kl.jar;D:\Orac are\wlserver_1 ke\Middleware\ opfile.isencr= k\FCDBServerCu k\FCDBServerEr	\FCDB\syst le 0.3 wlserver_: false - at.log - r.log -	tem\b		The direct on the cc Directory The dass starting t	ctory that this server omputer that hosts the value, the domain of spath (path on the m this server. More In ments to use when s	uses as its root din e Node Manager. Irectory is used by achine running Nod fb	rectory. This directory must be flyou do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \lib\to \server \server Dfcat.j Dreblog X:Perm Dweblog	story: systemel system	em\build Interna: jdk160_i ar;D:\O; weblogid ir=D:\F(dout=D: derr=D: 256m2 t.dr==	<pre>i\kernel\F L\FCDB_int i cle\Midd c.jar;D:\C CDB -Dfcat (FCDBLogs) FCDBLogs\ KX:MaxPerm D:\Cracle></pre>	CDB_ erna ilewa racl logs Size Mide	kernel.jar;D: sl.jar;D:\Orac are\wlserver1 le\Middleware\ bpfile.isencr= s\FCDBServerEx =512mXm2265	\FCDB\syst ile 0.3 wlserver_: false - tt.log - r.log - m_Amx5121 24\lib -	tem\b		The direc on the cc Directory The dass starting i	ctory that this server omputer that hosts the y value, the domain of spath (path on the m this server. More In when the server is the server is the server is the unents to use when s	uses as its root di le Node Manager. lirectory is used by achine running Noo fo	rectory. This directory must b If you do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \ib\to \server server -Dfcat.j Dweblog XX:Perm Dweblog	story: systemel system	em\build Internai jar;D:\0; weblogid ir=D:\F(=1 - dout=D: derr=D: 256m - t.dirs=]	i\kernel\F L\FCDB_int 24 cacle\Midd c.jar;D:\C CDB -Dfcat (FCDBLogs) K:HaxPerm D:\Oracle\	CDB_erna erna Dracl Dracl logs sSize Mido	kernel.jar;D: are\wlserver_1 le\Widdleware\ bopfile.isencr= s\FCDBServerOu JFCDBServerOu 2=512m -Xms256 lleware\jdk160	\FCDB\syst le 0.3 wlserver_: false - t.log - t.log - M -Xmx5121 _24\lub -	10.3 4 -		The direc on the cc Directory The class starting t	ctary that this server monuter that hosts the y value, the domain of spath (path on the m this server. More In ments to use when s	uses as its root din e Node Manager. Irrectory is used by achine running Noo fo	rectory. This directory must be If you do not specify a Root default. More Info de Manager) to use when
do I	Class Path D:\FCDB uild\ke \Middle \ib\co \server \server \server Dfcat. Dfcat. Dfcat. Dfcat. Security P	ctory: :: :: :: :: :: :: :: :: ::	em\build Interna jdk160_j weblogid ir=D:\f(=1 - dout=D:\ dout=D:\ dout=D:\ z56m -J t.dirs=J e:	4/kernel/F L/FCDB_int 24 c.jar;D:/C CDB -Dfcat FCDBLogs/ FCDBLogs/ L/Oracle/ D:/Oracle/	CDB_ erna Dracl Oracl Logs Size Midd	kernel.jar;D: al.jar;D:\Orac are\wlserver_1 Le\Middleware\ bpfile.isencr= s\FCDBServerTr =512m -Xm256 ileware\jdk160	\FCDB\syst le 0.3 wlserver_ false - t.log - r.log - M - Xmx512 _24\lib -	2em\b		The area	ctory that this server omputer that hosts the y value, the domain of spath (path on the m this server. More In uments to use when s	uses as its root di en Node Manager. Irrectory is used by achine running Nod fo	rectory. This directory must be If you do not specify a Root default. More Info de Manager) to use when . More Info
do I	Root Direct Class Path D:\FCDB uild\ke \Middle \ib\co \server Argument -Dfcat. Dfcat. Dweblog XX:Perm Dweblog Security P	story: stratt warel bols.j clib clib s: based ym.id pic.Str jic.str jic.str pic.str	em\buil Interna: jdk160	i\kernel\F L\FCDB_int 24 25 26 27 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	CDB_ erna llewa Dracl logs Size Mido	kernel.jar;D: l.jar;D:\Orac are\wlserver_1 le\Middleware\ bpfile.isencr= b\FCDBServerOu b\FCDBServerEr =512m -Xm2256 lleware\jdk160	\FCDB\syst le 0.3 wlserver_' false - t.log - r.log - M -Xmx5121 _24\lib -	10.3 4 -		The direc on the cd Directory The dass starting i The argu The argu	ctory that this server omputer that hosts the value, the domain of spath (path on the m this server. More In when the server of the server unrents to use when s writh policy file (direct) to use when startin	uses as its root di e Node Manager. lirectory is used by achine running Nod fo tarting this server ory and filename o g this server. Mo	rectory. This directory must b If you do not specify a Root default. More Info de Manager) to use when . More Info n the machine running Node re Info

Please Note that kernel.jar should precede all the external jars

Configuring the Node Manager in Windows using command prompt

- 1. Open the file "WL_HOME\common\nodemanager\nodemanager.properties"
- e.g. D:\Oracle\wlserver_10.0\common\nodemanager\nodemanager.properties

Change the value of the property "SecureListener" to "false" in the file.

Execute the file installNodeMgrSvc in WL_Home\server\bin Verify the configuration by following these steps

- a. Find the service with the name "Oracle Products NodeManager through services.msc.
- b. Make sure that the "Startup Type" is "Automatic"
- c. Click on the Start link to start the service.

Configuration to Start/Stop Servers as a windows Service.

Admin Server

- 1. Copy the installAdminServerSvc.cmd file from the list of files provided in the following location.
 - < Oracle Base Folder>\user_projects\domains\DOMAIN_NAME

Execute the following command at the command prompt under the directory where the installAdminServerSvc.cmd file has been copied to.

installAdminServerSvc <username> <password>

FCDBServer

Copy the installFCDBServerSvc.cmd to the following location.

< Oracle Base Folder>\user_projects\domains\DOMAIN_NAME

Execute the following command at the command prompt under the directory where the

installFCDBServerSvc.cmd file has been copied to.

installFCDBServerSvc <username> <password>

Property	Description
DOMAIN_NAME	Name of the domain as specified in domain creation.
username	The user name specified at domain creation.
password	The password specified at domain creation.

Check the path in My Computer \rightarrow Environment Variables \rightarrow Path (Variable). It must not contain any spaces. This can be verified by giving the command at the command prompt

echo %PATH%

Starting Admin Server and Managed Server using command prompt

1. In a command prompt, set up the required environment variables by running the following script: WL_HOME\server\bin\setWLSEnv.cmd (on Windows)

WL_HOME/server/bin/setWLSEnv.sh (on UNIX)

where WL_HOME is the home directory for WebLogic.

In the command prompt, change to the root of the domain directory, usually

<ORACLE_HOME>\user_projects\domains\<DOMAIN_NAME>

To start an Administration Server, enter the following command:

java weblogic.Server

You can start a Managed Server as follows:

java -Dweblogic.Name=<managed-server-name>

Dweblogic.management.server=<url-for-Administration-Server> weblogic.Server For example, if you create a Managed Server named FCDBSerevr in the fcdb_domain, you can enter the

following command:

java -Dweblogic.Name= FCDBServer
Dweblogic.management.server=localhost:7001 weblogic.Server

Starting the Node Manager through Windows

Start the Node Manager from the Program Files \rightarrow < ORACLE Folder> \rightarrow Tools \rightarrow Node Manager.

Starting Managed Server using Administrative Console

1. Click on "Environment \rightarrow Servers."

Click on the server that is to be started.

Note: Only those servers which have been assigned a machine can be controlled through Administration console

Click on "Control" tab.

Select the checkbox against the server name and click on the "Start" button.

Click "Yes" in the confirmation screen.

4.2. Deploying Applications

Web Application Deployment

Following section explains deploying Web application on Weblogic. For details and different options of deployment refer to documentations provided by ORACLE Weblogic .

These steps should be carried out for each FCDB web application mentioned below.

Deployable	Suggested Context	Path Location	Description
F001.war	F001	<fcdb base<br="">DIR>\deploy</fcdb>	Application for Super entity F001
B001.war	B001	< FCDB BASE DIR>\deploy	Application for Bank entity B001. This is available only for Base release.
T001.war	T001	< FCDB BASE DIR>\deploy	Application for Model Third Party Bank entity T001. This is applicable only for Third party Accelerator Pack release.
V001.war	V001	< FCDB BASE DIR>\deploy	Application for Model Virtual Bank entity V001. This is applicable only for Virtual Bank Accelerator Pack release.
SMS.war	SMS	< FCDB BASE DIR>\deploy	Required for SMS Banking.
help.war	B001	< FCDB BASE DIR>\deploy	Required for help

1. Click "Deployments" in the left menu.



Click "Install" button.

Install Application Assistant - FCDB62_DOI	MAIN - WLS Console - Mozilla Firefox				
<u>File Edit View History Bookmarks Tool</u>	ls <u>H</u> elp				
Install Application Assistant - FCDB62_D	+				
iflmudim13095:7001/console	e/console.portal?_nfpb=true&_pageLi	abel=AppApplicationInstallPage		☆ マ C 🛃 - Google	۹
🔒 Local Ы QT Ы Bugs 🔅 weblogic 🔅	adf login 🛄 ADF Demo 🔧 Google	e 📙 Setups 🗮 workspace			
ORACLE WebLogic Server®	Administration Console				Õ
Change Center	Home Log Out Preferences	Record Help		Welcome, weblogic	Connected to: FCDB62_DOMAIN
View changes and restarts	Home >Summary of Machines >FCI Deployments	OBMachine >Summary of Servers >Summary of M	lachines > FCDBMachine > Summary of	f Machines >FCDBMachine >Summary of Servers >FCD	OBserver >Summary of
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant				
Domain Structure	Back Next Finish C	ancel			
FCDB62_DOMAIN	Locate deployment to instal	l and prepare for deployment			
EnvironmentServersClustersVrtual Hosts	Select the file path that represen the application directory or file in Note: Only valid file paths are di	ts the application root directory, archive file, e the Path field. splayed below. If you cannot find your deployn	exploded archive directory, or applic	ation module descriptor that you want to install. You confirm that your application contains the required	a can also enter the path of deployment descriptors.
Migratable Targets	D-sthe				
Coherence Servers	Paul:	D:\			
Machines	Recently Used Paths:	(none)			
Work Managers	Current Location:	uuuduutsoas (D:			
Deployments	\$RECYCLE.BIN				
-Services	adf_fcdb_backup				
E::Security Realms	Ads checkin				
How do I	ameyworkspace				
Start and stop a deployed Enterprise					
application	backup_com_8-8				
Configure an Enterprise application	Day0				
Create a deployment plan	eploy				
Target an Enterprise application to a server Taget the medules in an Enterprise application	dhawalnew				
rescure modules in an enterprise application	DTO_javadoc				
System Status	ent ent				
Health of Pupping Servers	FCDB				
Treater of Running Servers	FCDB backups				
Failed (0)					
Overloaded (0)					
Warning (0)	FCDBContrib 1				
OK (1)	FCDBINSTALL				
	FCDBLogs				
	FCDBNEW				
	FCDBNew2				
	from old pc				
	Google				
	Installer				
	Installer_workspace				

Navigate to the location where the war is stored on the machine and select the radio button against the deployable .war file. Click "Next"



Check the radio button against "Install this deployment as an application" and click Next.

Install Application Assistant - FCDB62_DOM	AIN - WLS Console - Mozilla Firefox 💿 📾 🛃
<u>File Edit View History Bookmarks Tools</u>	Help
Install Application Assistant - FCDB62_D	+
(+) iflmudim13095:7001/console/	console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/actions/app/install/appSelected 🏠 🛡 😋 🔀 - Google 🖉 🎓
📙 Local 📙 QT 📙 Bugs 🗌 weblogic 🗍 a	df login 🧧 ADF Demo 🔧 Google 📒 Setups 🖶 workspace
	Administration Console
Change Center	🟦 Home Log Out Preferences 🖾 Record Help 🛛 🔍 Welcome, weblogic Connected to: FCDB62_DOMA
View changes and restarts	Home sSummary of Machines >FCDBMachine >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBerver >Summary of Deployments
Configuration editing is enabled. Future changes will automatically be activated as you	Install Application Assistant
modify, add or delete items in this domain.	Back Next Finish Cancel
Domain Structure	Characterization and
Environment	Choose cargeting scyle
Servers	
Virtual Hosts	Install this deployment as an application
Migratable Targets	The application and its components will be targeted to the same locations. This is the most common usage.
Coherence Servers	
Machines	Install this deployment as a library
Work Managers	Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications.
Deployments	Data Mark Court
⊕-Services	Dack Ivex Prinsn Cance
E-Security Realms	
How do I	
 Start and stop a deployed Enterprise application 	
Configure an Enterprise application	
Create a deployment plan	
Target an Enterprise application to a server	
Test the modules in an Enterprise application	
Curture Carture III	
Health of Running Servers	
Eailed (0)	
Critical (0)	
Overloaded (0)	
Warning (0)	
OK (1)	
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All	rights reserved.

Select the server FCDBserver to be mapped and click on

Next



Click Finish.

ic Server Version: 10.3.4.0 ht © 1995 2010, Oracle and/or its affiliates. All rights

Install Application Assistant - FCDB62_DOM	1AIN - WLS Console - Mozilla Firefox	đ
<u>File Edit View History Bookmarks T</u> ools	s Help	
Connecting	+	
(+) iflmudim13095:7001/console/	/console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/actions/app/install/applicationTa 🏫 🔻 🚷 - Google 🔎 1	
📙 Local 📙 QT 📙 Bugs 💭 weblogic 💭 a	adf login 🖸 ADF Demo 🚼 Google 📙 Setups 🚍 workspace	
Change Center	🏦 Home Log Out Preferences 🗟 Record Help	DOMAI
View changes and restarts	Home >Summary of Machines >FCDBMachine >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBserver >Summary of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant	
Domain Structure	Back Next Finish Cancel	
FCDB62_DOMAIN	Optional Settings	
E-Environment	You can modify these settings or accept the defaults	
···Clusters	General	
Virtual Hosts	What do you want to name this deployment?	
Coherence Servers	Nama	
Coherence Clusters	Name. B001	
Machines	- Security	
Startup and Shutdown Classes	What security model do you want to use with this application?	
Deployments		
Services	OD Only: Use only roles and policies that are defined in the deployment descriptors.	
How do I	© Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.	
Start and stop a deployed Enterprise application	Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.	
Configure an Enterprise application	Advanced: Use a custom model that you have configured on the realm's configuration page.	
Create a deployment plan	Source accessibility	
Target an Enterprise application to a server		
Test the modules in an Enterprise application	now should the source mes be made accessible?	
	Ise the defaults defined by the deployment's targets	
Health of Running Servers	Recommended selection.	
Eailed (0)	○ Copy this application onto every target for me	
Critical (0)		
Overloaded (0)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.	
Warning (0)	◎ I will make the deployment accessible from the following location	
OK (1)		
	Location: D:\FCDB\deploy\B001.war	
	Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and that each target can re-	ach
	the location.	
	Back Nett Finish Cancel	

Confirmation Page is displayed

Summary of Deployments - FCDB62_DOMA	AIN - WLS Console - Mozilla Firefox						
<u>File Edit View History Bookmarks Tools</u>	s <u>H</u> elp						
Summary of Deployments - FCDB62_DO	+						
♦ iflmudim13095:7001/console/	🔄 🖗 🗍 iflmudim13095:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage						
🔒 Local Ы QT Ы Bugs 💭 weblogic 💭 a	adf login 🖸 ADF Demo 🚼 Google 닖 Setups 🗮	workspace					
ORACLE WebLogic Server®	Administration Console					Ç	
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	٩			Welcome, we	blogic Connected to: FCDB62_DOMA	
View changes and restarts	Home >Summary of Machines >FCDBMachine >Summa Deployments	ry of Servers >Summary of Machines >FCDBMachine >S	iummary of Mac	chines >FCDBMa	chine >Summary of Servers :	>FCDBserver >Summary of	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages All changes have been activated. No restarts are To deployment has been successfully installed	e necessary.					
Domain Structure	 The deployment has been successfully installed. 						
FCDB62_DOMAIN	Summary of Deployments Control Monitoring						
Migratable TargetsCoherence ServersCoherence ClustersMachines	This page displays a list of Java EE applications and (redeployed), or deleted from the domain by first se To install a new application or module for deployme	stand-alone application modules that have been insta electing the application name and using the controls or nt to targets in this domain, click the Install button.	illed to this dor n this page.	main. Installed a	pplications and modules car	n be started, stopped, updated	
	Customize this table						
B-Services	Deployments						
Security Realms	Install Update Delete Start ~ Str					Showing 1 to 1 of 1 Previous Next	
How do I					-		
Install an Enterprise application			State	nealui	туре	Deployment Order	
Configure an Enterprise application	E 0 B001		New		Web Application	100	
Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application	Install Update Delete Start ~ Stor	р ү				Showing 1 to 1 of 1 Previous Next	
Monitor the modules of an Enterprise application							
Deploy EJB modules							
Install a Web application							
System Status							
Health of Running Servers							
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)							
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporatio	l rights reserved. In and/or its affiliates. Other names may be trademarks of their	respective owners.					

Deploy all the deployable mentioned in the <u>Appendix</u> depending upon the invocation mode set.

4.2.1.Starting Application

1. Click "Deployments" in the left menu

Select the applications that are to be started.



Click "Servicing all requests" in the drop down list under "Start" tab

Summary of Deployments - FCDB62 DOMA	IN - WLS Console - Mozilla Firefox							a x	
File Edit View History Bookmarks Tools Help									
Summary of Deployments - FCDB62_DO	+							÷	
iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLab	el=AppDeploymentsControlPage			☆ マ C .	<mark>∛]</mark>	۶ 🎓		
Local D QT D Bugs weblogic a	Local OT Buos Reblonic R adf Join O ADF Demo S Google Seture R workspace								
	Administration Console							Q	
Change Center	🔒 Home Log Out Preferences 🔤	Record Help	2			Welcome, we	blogic Connected to: FCDB62_	DOMAIN	
View changes and restarts	Home >Summary of Machines >FCDB/	Home >Summary of Machines >FCDBMachine >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBBerver >Summary of							
Configuration editing is enabled. Future	Summary of Danlaymonts							_	
modify, add or delete items in this domain.	Summary of Deployments								
Descrip Chrysters	Control Monitoring								
Cobernore Clusters Coherence Clusters Coherence Clusters Coherence Clusters	This page displays a list of Java EE: (redeployed), or deleted from the d To install a new application or modu () Customize this table	applications and stand-alone application fomain by first selecting the application na le for deployment to targets in this domain	nodules that have been insta me and using the controls or n, click the Install button.	alled to this do n this page.	main. Installed a	applications and modules car	i be started, stopped, updated		
Machines Work Managers	Deployments								
Startup and Shutdown Classes	Install Update Delete	Start V Stop V					Showing 1 to 1 of 1 Previous	Next	
Teployments	🔽 Name 🐟	Servicing all requests		State	Health	Туре	Deployment Order		
Security Realms	I ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Servicing only administration requests		New		Web Application	100		
How do L	Install Update Delete	Start v Stop v					Showing 1 to 1 of 1 Previous	Next	
Install an Enterprise application							ononing to tot t thenoop		
Configure an Enterprise application									
Update (redeploy) an Enterprise application									
 Start and stop a deployed Enterprise application 									
Monitor the modules of an Enterprise application									
Deploy EJB modules									
Install a Web application									
System Status									
Health of Running Servers									
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)									
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All	rights reserved.								

Confirmation screen displayed

Summary of Deployments - FCDB62_DOMA	AIN - WLS Console - Mozilla Firefox						
<u>File Edit View History Bookmarks Tools</u>	<u>H</u> elp						
Summary of Deployments - FCDB62_DO	+					-	
🔄 🕆 📋 iffmudim13095:7001/console_console_portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage 🏠 マ 🗸 🚼 - Google 🔎 🏠 🥐							
📕 Local 📙 QT 📙 Bugs 🗌 weblogic 🗌 a	adf login 🧧 ADF Demo 🔧 Google 📙 Setups 🚍 v	orkspace					
ORACLE WebLogic Server®	Administration Console					Q	
Change Center	🛍 Home Log Out Preferences 🔤 Record Help	Q			Welcome, we	blogic Connected to: FCDB62_DOMAIN	
View changes and restarts	Home >Summary of Machines >FCDBMachine >Summary Deployments	of Servers >Summary of Machines >FCDBMachi	ine >Summary of Mac	hines >FCDBMa	achine >Summary of Servers >	FCDBserver >Summary of	
Configuration editing is enabled. Future	Messages						
modify, add or delete items in this domain.	${\boldsymbol{\mathscr{O}}}$ Start requests have been sent to the selected Dep	loyments.					
Domain Structure	Summary of Deployments						
FCDB62_DOMAIN	Control Monitoring						
Servers							
Clusters	This page displays a list of Java EE applications and s	and-alone application modules that have been	n installed to this dor	main. Installed	applications and modules car	be started, stopped, updated	
	(redeployed), or deleted from the domain by first sele	cting the application name and using the cont	rols on this page.				
Coherence Servers	To install a new application or module for deployment	to targets in this domain, click the Install butto	on.				
Coherence Clusters							
Work Managers	Customize this table						
Startup and Shutdown Classes	Deployments						
Deployments Enservices							
-Security Realms -	install Update Delete Start - Stop	*		-		Showing 1 to 1 of 1 Previous Next	
How do I 😑	📄 Name 🗞		State	Health	Туре	Deployment Order	
Install an Enterprise application	■		New		Web Application	100	
Configure an Enterprise application	Install Update Delete Start v Stop	*				Showing 1 to 1 of 1 Previous Next	
Update (redeploy) an Enterprise application							
 Start and stop a deployed Enterprise application 							
 Monitor the modules of an Enterprise application 							
Deploy EJB modules							
Install a Web application							
System Status 😑							
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (U) Warning (0)							
OK (1)							

WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All rights reserved.

5.Setup JDBC data source and Connection Pooling

XA Enabled Data Source:

The XA-aware data source implementation allows connections to participate in distributed transactions. If an application needs to participate in a two-phase commit like in case of Bulk which will interact across the MQ and the DB for example, this type of data source must be used.

Following are the steps to configure the XA data source.

- 1. Go to the "Services→Data Sources".
- 2. Click New to create a new JDBC Data Source



3. Select the option "Generic Data Source".

🔇 Summary of JDBC Data Source 🗙 😛									
← → C ③ 10.184.132.155:7060,	/console/console.portal	?_nfpb=true&_pageLab	el=GlobalJDBCDataSourceT	ablePage	\$ 2				
For quick access, place your bookmarks here on the	🗀 Other bookmarks								
	Administration Console				Q				
Change Center	🙆 Home Log Out Pref	erences 📐 Record Help	Q		Welcome, weblogic Connected to: FCDB1203				
View changes and restarts	Home >Summary of Serv	Home >Summary of Servers >Summary of JDBC Data Sources							
Configuration editing is enabled. Future	Summary of JDBC Dat	a Sources							
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monit	oring							
Domain Structure → servoues → Messaging → 1045 Servers → Store-and-Forward Agents → 1045 Modules → Path Services → Path Services → Parsistent Stores → Parsistent Stores → Toreign JNDI Providers	A IDBC data source is borrow a database cor This page summarizes I Customize this tabl Data Sources (Filter New V Delete	an object bound to the JNDI tr nection from a data source. the JDBC data source objects t e ed - More Columns Exist)	ee that provides database connect	ivity through a pool of JDBC connect	ons. Applications can look up a data source on the JNDI tree and then Showing 0 to 0 of 0 Previous Next				
Work Contexts	Generic Data Source								
XML Registries XML Entity Caches	GridLink Data Source		Туре	JNDI Name	Targets				
jCOM	Multi Data Source	L	Th	ere are no items to display					
How do I	New ~ Delete				Showing 0 to 0 of 0 Previous Next				
Create JDBC generic data sources									
Create JDBC GridLink data sources									
Create JDBC multi data sources									
Delete JDBC data sources									
Delete JDBC multi data sources									
System Status 🗉									
Health of Running Servers									
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)									
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	ll rights reserved. n and/or its affiliates. Other nam	es may be trademarks of their re	spective owners.						

Configure the following properties for Data Source creation and click "Next".

Property	Value
Data Source Name	<fcdb data="" name="" source=""></fcdb>
JNDI Name	A1
Database Type	Oracle

🥹 Create a New JDBC Data Source - FCDB62_D)OMAIN - WLS Console - Mozilla Firefox	
<u>File Edit View History Bookmarks Tools</u>		
Create a New JDBC Data Source - FCDB6	+	-
(+) iflmudim13095:7001/console/	/console.portal?CreateGlobalJDBCDataSourcePortletreturnTo=GlobalJDBCDataSourceTablePage&GlobalJDBCDataS 🏠 🔻 C 🖉 🚷 - Google	۹ 🖗 •
📙 Local 🔒 QT 🔒 Bugs 🔅 weblogic 🔅 a	adf Iogin 🖸 ADF Demo 🔚 Google 📙 Setups 🗮 workspace	
	Administration Console	Q
Change Center	Home Log Out Preferences 🖾 Record Help Welcome, weblogic Connect	ed to: FCDB62_DOMAIN
View changes and restarts	Home >FCDBMachine >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBserver >Summary of Deployments > Data Sources	Summary of JDBC
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source Back Ned Prish Cancel	
Domain Structure		
FC0862_D0MAIN * Image: Services Image: Services Image:	JDBC Data Source Properties The following properties will be used to identify your new JDBC data source. * Indicates required fields What would you like to name your new JDBC data source? What JNDI name would you like to assign to your new JDBC Data Source? Mathematicates required fields	
System Status	What database type would you like to select?	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1) OK (1)	Database Type: Oracle Back Nest Fnish Cancel	
Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.	

Select Database Driver as Oracle's Driver (Thin XA) Versions: 9.0.1 and later and click Next.

Create a New JDBC Data Source - FCDB62 D	DOMAIN - WLS Console - Mozilla Firefox	
<u>File Edit View History Bookmarks Tools</u>	s Help	
Create a New JDBC Data Source - FCDB6	+	÷
(+) iflmudim13095:7001/console/	/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources, 🏠 🛡 C 🔡 - Google 🖇) 🏦 🦗 •
📕 Local 🎒 QT 🎒 Bugs 🔅 weblogic 🔅 a	adf Iogin 🖸 ADF Demo 🔧 Google 📙 Setups 🖶 workspace	
	Administration Console	Q
Change Center	Home Log Out Preferences Record Help Welcome, weblogic Connected to:	FCDB62_DOMAIN
View changes and restarts	Home >FCDBMachine >Summary of Servers >Summary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBserver >Summary of Deployments >Summ Data Sources	ary of JDBC
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source Back Next Finish Cancel	
FCDB62_DOMAIN	JDBC Data Source Properties The following properties will be used to identify your new JDBC data source.	
	Database Type: Oracle What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server. Database Driver: *Oracle's Driver (Thin XA) for Instance connections; Versions:9.0.1 and later Back Next	
How do L • Create JDBC generic data sources • Create LLR-enabled JDBC data sources		
System Status		
Health of Running Servers		
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporatio	i in and/or its affiliates. Other names may be trademarks of their respective owners.	

Click Next.

Create a New JDBC Data Source - FCDB62 D	VOMAIN - WLS Console - Mozilla Firefox
<u>File Edit View History Bookmarks Tools</u>	<u>H</u> elp
Create a New JDBC Data Source - FCDB6	+
+ iflmudim13095:7001/console/	console.portal?CreateGlobal/DBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources, 🏠 🛡 😋 🔀 - Google 🖉 😭
📕 Local 🔒 QT 🍶 Bugs 💭 weblogic 💭 a	idf Iogin 🖸 ADF Demo 🔧 Google 📙 Setups 🗮 workspace
	Administration Console
Change Center	🟦 Home Log Out Preferences 🖾 Record Help
View changes and restarts	Home > FCDBMachine > Summary of Servers > Summary of Machines > FCDBMachine > Summary of Machines > FCDBMachine > Summary of Servers > FCDBserver > Summary of Deployments > Summary of JDBC Data Sources
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source
Domain Structure	Back Next Finish Cancel
FCD662_DOMAIN	Transaction Options You have selected an XA JDBC driver to use to create database connection in your new data source. The data source will support global transactions and use the Two-Phase Commit' global transaction protocol. No other transaction configuration options are available. Back Nex Finish Cancel
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)	
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a redistered trademark of Oracle Corporation	rights reserved. nandfor its affiliates. Other names may be trademarks of their respective owners.

Click "Next" button. Give the following database details to which you need to connect. For e.g :

Property	Description
Database Name	Name of the database to be connected to
Host Name	ip address or hostname
Port	Port number of the database
Database User Name	Username used to connect to the database.
Password	Password used to connect to the database.
Confirm Password	Same password used to connect to the database.

Create a New JDBC Data Source - FCDB62_I	DOMAIN - WLS Console - Mozilla Firefox			
<u>File Edit View History B</u> ookmarks <u>T</u> ools	s <u>H</u> elp			
Create a New JDBC Data Source - FCDB6	+			
(+) iflmudim13095:7001/console/	/console.portal?CreateGlobalJDBCDataSourcePortlet_act	tionOverride=/com/bea/console/actions/	'jdbc/datasources, ☆ マ C 🚼 - Google	ρ 🍙 🦗 -
📕 Local 📕 QT 📕 Bugs 🗍 weblogic 🗍 a	adf login 🧧 ADF Demo 🔧 Google 📙 Setups 🗮 w	orkspace		
	Administration Console			Q
Change Center	î Home Log Out Preferences 🔤 Record Help	Q	We	elcome, weblogic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >FCDBMachine >Summary of Servers >Summary o Data Sources	of Machines >FCDBMachine >Summary of Machine	nes >FCDBMachine >Summary of Servers >FCDBserv	er >Summary of Deployments >Summary of JDBC
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JDBC Data Source			
modity, add or delete items in this domain.	Back Next Finish Cancel			
Domain Structure	Connection Descertion			
Environment				
Deployments	Define Connection Properties.			
E-Services	What is the name of the database you would like to con	nnect to?		
Data Sources	Database Name:			
Persistent Stores				
Work Contexts	What is the name or IP address of the database server	?		
XML Registries	Host Name:			
jCOM				
Mail Sessions	What is the port on the database server used to conne	ect to the database?		
How do I	Port:	1521		
Create JUBC generic data sources Create JUBC generic data sources	What database account user name do you want to use	to create database connections?		
	Database User Name:			
System Status				
Health of Running Servers	What is the database account password to use to creat	te database connections?		
Failed (0)	Password:			
Critical (0)				
Overloaded (0)	Confirm Password:			
OK (1)				
	Dack Next Finish Cancel			
WebLogic Server Version: 10.3.4.0 Copyright © 1996.2010. Oracle and/or its affiliates. Al	rights reserved.			
Oracle is a registered trademark of Oracle Corporatio	on and/or its affiliates. Other names may be trademarks of their res	spective owners.		

Click "Next" button.

Create a New JDBC Data Source - FCDB62_D0	OMAIN - WLS Console - Mozilla Firefox			
File Edit View History Bookmarks Tools	Help		-	
Create a New JOBC Data Source - PCDB0	T			
tlmudim13095:/001/console/c	console.portal?CreateGlobalJDBCDataSourcePortlet_act	tionOverride=/com/bea/console/actions/jdbc/datasources, 🏹 🛡 C 🛛 🋐 🗸 Google	<u>р</u> т ж.	
📙 Local 📙 QT 📙 Bugs 💭 weblogic 💭 ac	df login 💽 ADF Demo 🚼 Google 🔟 Setups 🗮 w	vorkspace		
	Administration Console		Q	
Change Center	🛍 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic	onnected to: FCDB62_DOMAIN	
View changes and restarts	Home >FCDBMachine >Summary of Servers >Summary o Data Sources	of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBserver >Summary of Deploy	ments >Summary of JDBC	
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JDBC Data Source			
modify, add or delete items in this domain.	Back Next Finish Cancel			
FCDB62 DOMAIN	Connection Properties			
Environment Deployments	Define Connection Properties.			
⊟-Services	What is the name of the database you would like to con	nnect to?		
Data Sources	Database Name:	FCDB		
Persistent Stores Foreign JNDI Providers				
Work Contexts	What is the name or IP address of the database server	s?		
XML Entity Caches	Host Name:	10.180.47.236		
····jCOM ····Mail Sessions	What is the nort on the database server used to conne	ect to the database?		
File T3				
How do I 😑	Port:	1521		
Create JDBC generic data sources	What database account user name do you want to use	e to create database connections?		
Create LLR-enabled JDBC data sources	Database User Name:	FCDBAPPQT62R2		
System Status What is the database arrows have by meate database propertione?				
Health of Running Servers	Pacewords			
Failed (0)	Passworu:	•••••		
Overloaded (0)	Confirm Password:	•••••		
Warning (0)				
(1) NO	Back Next Finish Cancel			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r	rights reserved.			

Click "Test Configuration" below.

🕘 Create a New JDBC Data Source - FCDB62_D	OOMAIN - WLS Console - Mozilla Firefox					
<u>File Edit View History Bookmarks Tools</u>	; <u>H</u> elp					
Create a New JDBC Data Source - FCDB6	+		*			
♦ ifImudim13095:7001/console/	console.portal?CreateGlobalJDBCDataSourcePortlet	t_actionOverride=/com/bea/console/actions/jdbc/datasources, 🏫 🔻 C 🛛 🚼 - Google	۹ 🕈			
📙 Local 📙 QT 🔒 Bugs 🗌 weblogic 🗍 a	adf login 🖸 ADF Demo 🚼 Google 📙 Setups 텵	workspace				
	Administration Console		<u> </u>			
Change Center	🛍 Home Log Out Preferences 🔤 Record Help	Welcome	weblogic Connected to: FCDB62_DOMAIN			
View changes and restarts	Home >FCDBMachine >Summary of Servers >Summa Data Sources	ary of Machines >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBserver >!	Summary of Deployments >Summary of JDBC			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source					
Domain Structure	Test Configuration Back Next Finish	Cancel				
FCDB62_DOMAIN	Test Database Connection					
Deployments	Test the database availability and the connection	properties you provided.				
l =Services ⊕Messaging	What is the full package name of JDBC driver class i	used to create database connections in the connection pool?				
Data Sources Persistent Stores	(Note that this driver class must be in the classpath	n of any server to which it is deployed.)				
Foreign JNDI Providers Work Contexts	Driver Class Name:	oracle jdbc xa client Ora	=			
····XML Registries	What is the URL of the database to connect to? The	What is the URL of the database to connect to? The format of the URL varies by JDBC driver.				
jCOM Mail Sessions	- COM					
File T3		Jabc.oracle.min.@ito.ioc				
How do I	What database account user name do you want to	use to create database connections?				
Create JDBC generic data sources	Database User Name:	FCDBAPPQT62R2				
Create LLR-enabled JDBC data sources	What is the database account password to use to c	create database connections?				
System Status	(Note: for secure password management, enter the	e password in the Password field instead of the Properties field below)				
Health of Running Servers						
Failed (0)	Password:	•••••				
Overloaded (0)	Confirm Password:					
Warning (0)		•••••				
UK (1)	What are the properties to pass to the JDBC driver	when creating database connections?				
Properties:						
	user=FCDBAPFQT62R2					
	The set of driver properties whose values are deriv	ved at runtime from the named system property.				
_	System Properties:					

A success message must appear with "Connection test succeeded".

Create a New JDBC Data Source - FCDB62_D	OOMAIN - WLS Console - Mozilla Firefox				
File Edit View History Bookmarks Tools	5 <u>H</u> elp				
Create a New JDBC Data Source - FCDB6	+		-		
iflmudim13095:7001/console/	/console.portal?CreateGlobalJDBCDataSourcePortlet_a	ctionOverride=/com/bea/console/actions/jdbc/datasources, 🏫 🛡 C 🛛 🚼 🛪 Google	۶ 🏘 ·		
📙 Local 📙 QT 📙 Bugs 🔅 weblogic 🔅 a	adf login 🖸 ADF Demo 🚼 Google 📙 Setups 🚍 🕻	workspace			
	Administration Console		<u> </u>		
Change Center	🛍 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Con	nected to: FCDB62_DOMAIN		
View changes and restarts	Home >FCDBMachine >Summary of Servers >Summary Data Sources	of Machines > FCDBMachine > Summary of Machines > FCDBMachine > Summary of Servers > FCDBserver > Summary of Deploy	yments >Summary of JDBC		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages Connection test succeeded.				
Domain Structure	Create a New JDBC Data Source				
FCDB62_DOMAIN	Test Configuration Back Next Finish	Cancel			
E-Services	Test Database Connection				
Messaging Data Sources E	Test the database availability and the connection pro	operties you provided.			
Persistent StoresForeign JNDI ProvidersWork Contexts	What is the full package name of JDBC driver dass use (Note that this driver class must be in the classpath of	ed to create database connections in the connection pool? f any server to which it is deployed.)	E		
XML Registries	Driver Class Name:	oracle.jdbc.xa.client.Ora			
-File T3	What is the URL of the database to connect to? The fit	ormat of the URL varies by JDBC driver.			
How do I	URL:	jdbc:oracle:thin:@10.18(
Create JDBC generic data sources Create LLR-enabled JDBC data sources	What database account user name do you want to us	e to create database connections?			
System Status	Database User Name:	FCDBAPPQT62R2			
Health of Running Servers	What is the database account password to use to crea	ate database connections?			
Failed (0)	(Note: for secure password management, enter the p	assword in the Password field instead of the Properties field below)			
Overloaded (0) Warning (0)	Password:	•••••			
OK (1)	Confirm Password:	••••••			
	What are the properties to pass to the JDBC driver whether the second se	hen creating database connections?			
	Properties:				
	user=FCDBAPPQT62R2				
	The get of driver properties where values are derived	I structime from the powerd autom property			

Click on the "Next" button.

Oreate a New JDBC Data Source - FCDB62_D	OMAIN - WLS Console - Mozilla Firefox
<u>File Edit View History Bookmarks Tools</u>	Hep L
Create a New 300C bata 3001Ce - 1 Cobo	* concele ports/2/restaGlebs/IDP/OstsSourceDatiet action/Concele/actions//db//dstaceurcer 🖒 = @ 💀 Google
	ar login 🖻 AUF Verno 👌 Google 🧉 Setups 🕁 workspace
WebLogic Server /	
Change Center	ai nome tog out references needed neight werkomet werko
Configuration editing is enabled. Future	Data Sources
changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source
Descrip Chrystere	Back Net Frish Cancel
FCDB62_DOMAIN	Select Targets
Environment Deployments	You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a
E-Services	later time.
Data Sources	Servers
Persistent Stores	AdminServer
Work Contexts	FDBsenser
XML Entity Caches	
jCOM	Back Next Frieh Cancel
The T3	
How do I	
Create JDBC generic data sources	
Create LLR-enabled JDBC data sources	
System Status	
Health of Running Servers	
Failed (0)	
Critical (0) Overloaded (0)	
Warning (0)	
OK (1)	
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation	nghis reserved. Sandhri Ris Stiffiata - Othar namas mar ha tradomarks of thair raspartius numes

Select the server as 'FCDBServer' and click on Finish.

Create a New JDBC Data Source - FCDB62_D File Edit View History Bookmarks Tools	OMAIN - WLS Console - Mozilla Firefox
Create a New JDBC Data Source - FCDB6	ŦĨ.
(+) iflmudim13095:7001/console/o	console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources, 🏠 🛡 🦿 Google 🔎 🛧 🍡
🔒 Local 🔒 QT 🔒 Bugs 🗌 weblogic 🗌 at	df login 🖸 ADF Demo 🔚 Google 📙 Setups 🗮 workspace
	Administration Console
Change Center	🏦 Home Log Out Preferences 🖾 Record Help
View changes and restarts	Home >FCDBMachine >Summary of Machines >FCDBMachine >Summary of Servers >FCDBserver >Summary of Deployments >Summary of JDBC Data Sources >A1 >Summary of Deployments >Summary of JDBC Data Sources
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JDBC Data Source
Domain Structure	Back Next Finish Cancel
FCDB62_DOMAIN	Select Targets You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later time.
Messaging Total Sources	Servers
····Persistent Stores ····Foreign JNDI Providers	AdminServer
····Work Contexts ····XML Registries	☑ FCDBserver
XML Entity Caches 	Back Net Fnish Cancel
How do I	
Create JDBC generic data sources	
Create LLR-enabled JDBC data sources	
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)	
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All i Oracle is a redistered trademark of Oracle Corporation	rights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.

The data source is created successfully. Click on the newly created data source under Data Sources menu option.

File Edit View Hajouy Bolowarks Look Help Summay of DND: Class Sources FLCORE. Immodeling Summay of DND: Class Sources FLCORE. Is coal Q1 is Bags Inveloping Class FLCORE. Is coal Q1 is Bags Inveloping Class FLCORE. Charge Center Wethongic Server* A function of the Coal	Summary of JDBC Data Sources - FCDB62_D	OMAIN - WLS Console - Mozilla Firefox				
Summary of JBEC Data Sources - FCBE. + - - - - - - - - -	Elle Edit View Higtory Bookmarks Iools Help					
Mondami 2005.7001/console/console portal/.nfspi-true&.pagel.abd=Global0BCDtdSourceTablePage Constant Console Console Constant Constant Console Conso	Summary of JDBC Data Sources - FCDB6	+				*
Local Q P Bugs Webbagic ADE Demo & Google Seque & S	← → iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLabel	=GlobalJDBCDataSourceTablePage		☆ マ C 🚼 - Google	۶ 🎓 🦗 -
Concert Webclogic Servet*	📙 Local 📙 QT 📙 Bugs 🗍 weblogic 🗍 a	adf login 🧧 ADF Demo 🔧 Google 📒	Setups 🛃 workspace			
Change Center We konney, we klopic Concorded to::::::CDB622_DOMANI Configuration difference Second Help Image Center We konney, we klopic Concorded to::::::::::::::::::::::::::::::::::::		Administration Console				Q
Vex changes and restards Condrystant indication is probability in addition is summary of Machines > CODBNachines > Summary of Deployments >	Change Center	🟦 Home Log Out Preferences 🔤 F	Record Help	2	Welcome	, weblogic Connected to: FCDB62_DOMAIN
Configuration exting is enabled. Future for example of the source is not is constructive for example of the source is not is	View changes and restarts	Home > FCDBMachine > Summary of Mac Data Sources	chines >FCDBMachine >Summary of Serv	ers >FCDBserver >Summary of Deployme	nts >Summary of JDBC Data Sources >A1 >	Summary of Deployments >Summary of JDBC
Domain Structure FCD662_DOMAN Performant Performant Performant Performant Possient	Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages All changes have been activated. I	No restarts are necessary.			
Configuration Configuration Provision A DBC data source is an object bound to the JKDI tree that provides database connectivity through a pool of JBC connections. Applications can look up a data source on the JKDI tree and then borns a database connection from a data source. The provision Sources Provision Sources Provision Sources Provision Sources YMA Entity Cohes Solution I to fill Provides YMA Entity Cohes Solution I to fill Provides YMA Entity Cohes Solution I to fill Previous Next Image Sources Solution I to fill Previous Next Image Sources Solution I to fill Previous Next Image Sources Solution I to fill Sources Provided I data sources Solution I to fill Previous Next Image Sources Solution I data sources Solete JBC Contribution I sources Solution I to fill Previous Next Image Sources Solete JBC Contribution I to fill Previous Next Image Sources Solete JBC Contribution I to fill Previous Next Image Sources Solete JBC Contribution I sources Solete JBC Contribution I sources Solete JBC Contribution I sources Sources Solete JBC Contribution I sources Solete JBC Contribution I sources <td< td=""><td>Domain Structure</td><td>Summary of JDBC Data Sources</td><td></td><td></td><td></td><td></td></td<>	Domain Structure	Summary of JDBC Data Sources				
Processions Base Cata source is an object bound to the JADI tree that provides database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. Applications can look up a data source on the JADI tree and then borrow a database connectivity through a pool of JBBC connections. For transmitter transmiter transmiter transmitter transmitter transmitter tran	FCDB62_DOMAIN	Configuration Monitoring				
Mod Sessions File T3 Now do L. • Create JDBC generic data sources • Create JDBC generic data sources • Create JDBC dult data sources • Delete JDBC dult data sources • Delete JDBC dult data sources <th>Bervice Services Brvices Brvices Brvices Data Sources E Persistent Stores Porsignation Stores Work Contexts Work Contexts TWork Contexts TWork Contexts TWork Contexts TWork Contexts</th> <th>A JDBC data source is an object bour borrow a database connection from a This page summarizes the JDBC data (customize this table) Data Sources (Filtered - More Cc</th> <th>nd to the JNDI tree that provides datab data source. source objects that have been created Jumns Exist)</th> <th>ase connectivity through a pool of JDBC in this domain.</th> <th>connections. Applications can look up a d</th> <th>ata source on the JNDI tree and then</th>	Bervice Services Brvices Brvices Brvices Data Sources E Persistent Stores Porsignation Stores Work Contexts Work Contexts TWork Contexts TWork Contexts TWork Contexts TWork Contexts	A JDBC data source is an object bour borrow a database connection from a This page summarizes the JDBC data (customize this table) Data Sources (Filtered - More Cc	nd to the JNDI tree that provides datab data source. source objects that have been created Jumns Exist)	ase connectivity through a pool of JDBC in this domain.	connections. Applications can look up a d	ata source on the JNDI tree and then
How do L. Image: Construction of the sources of th		New - Delete				Showing 1 to 1 of 1 Previous Next
Create JDBC generic data sources Create JDBC data sources Create JDBC multi data sources Delete JDBC multi data sources Ortext JDBC multi data sources	theme do T	🔲 Name 🐟	Туре	JNDI Name	Target	5
Create JDBC GridLink data sources Create JDBC GridLink data sources Delete JDBC Multi data sources Failed (0) Critical (0) Overloaded (0) Warning (0) Overloaded (0) Warning (0) OK (1)	Now do I	A1	Generic	A1	FCDBser	ver
Create JDBC multi data sources Delete JDBC data sources Delete JDBC multi data sources System Status Faled (0) Critical (0) Overloade (0) Warning (0) Kork (1)	Create JDBC generic data sources Create JDBC GridLink data sources	New v Delete	· · · ·			Showing 1 to 1 of 1 Previous Next
Delete JDBC data sources Delete JDBC multi data sources System Status Health of Running Servers Critical (0) Overloaded (0) Warning (0) Overloaded (0) Worning (0) OK (1)	Create JDBC multi data sources					
Delete JDBC multi data sources	Delete JDBC data sources					
System Status Health of Running Servers Circlal (0) Circlal (0) Overloaded (0) Warning (0) OK (1)	Delete JDBC multi data sources					
Health of Running Servers Faled (0) Critical (0) Overloaded (0) Warning (0) OK (1)	System Status					
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (1)	Health of Running Servers					
	Faled (0) Critical (0) Overloaded (0) Warning (0) OK (1)					

Click "Connection Pool" under "Configuration" tab on the top.

🥹 Settings for A1 - FCDB62_DOMAIN - WLS Console - Mozilla	Firefox						ti da la companya da	×	
<u>File Edit View History Bookmarks Tools H</u> elp									
Settings for AL - FCDB02_DOMAIN - WL	_nfpb=true&_p	ageLabel=Jd	bcDatasoi	urcesJDBCD	lataSourceC	onfigConnectionPoo	olTabPage&handli 🏠 ⊽ C 🖁 🖌 Google 🖉 🏠	· •	
ORACI E Webl agis Server® Administration	n Canaala	ioogie 🗾 Se	etups 🔛	workspace			C C C C C C C C C C C C C C C C C C C		
	n Console	ran 🖂 Barr	ard Help				Welcome weblagin Connected to ECDR62 DOM		
Change Center Home Sum	mary of Machines	s > ECDBMachir	nu neip ne >Summa	rv of Servers	> ECDBserve	Summary of Deploym	weicome, weblogic Connected to: PCDBo2_DOPA	ALIN	
Configuration editing is enabled. Future	1			·					
changes will automatically be activated as you modify, add or delete items in this domain.	settings for A1								
Configurat	tion Targets	Monitoring	Control	Security	Notes			-111	
CDB62 DOMAIN	Connection Po	ol Orade	ONS 1	Transaction	Diagnostic	Identity Options			
Environment Save									
Deployments Services								·	
B ¹ ·Messaging The come → Data Sources E are create → Persistent Stores Use this pa → Work Contexts Use this pa	The connection pool within a JDBC data source contains a group of JDBC connections that applications reserve, use, and then return to the pool. The connection pool and the connections within it are created when the connection pool is registered, usually when starting up WebLogic Server or when deploying the data source to a new target. Use this page to define the configuration for this data source's connection pool.								
XML Registries	생물 URL: jdbc:oracle:thin:@10.180.47.236:1521:FCDB						The URL of the database to connect to. The format of the URL varies by JDBC driver. More Info	E	
Mail Sessions File T3 Driver	de Driver Class Name: oracle.jdbc.xa.client.OracleXADataSource				OracleXA	DataSource	The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info		
How do I								- I I I	
Configure testing options for a JDBC data source user=FC	ties: DBAPPQT62F	R2					physical database connections. For example: server=dbserver1. List each property=value pair on a separate line. More Info		
Configure the statement cache for a JDBC connection pool									
Configure credential mapping for a JDBC data source									
System Status									
Health of Running Servers System Pr	operties:						The list of System Properties names passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1.		
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)							List each property=value pair on a separate line. More units		
de Passwo	ord:	•	•••••	•••••	•••		The password attribute passed to the JDBC driver when creating physical database connections. More Info		
Confirm Pa	assword:	•	•••••	•••••	•••				
Initial Cap	acity:	1					The number of physical connections to create when creating the connection pool. More \ensuremath{Info}		

Click on the "Advanced" link below.

iflmudim13095:7001/console/console.portal?_n	fpb=true&_pageLabel=JdbcD	atasourcesJDBCDataSourceConfigConnection	oolTabPage&JdbcD 🏫 マ C 🛛 🚼 マ Google	▶ 🔒				
QT 🔄 Bugs 💭 weblogic 🛄 adf login 🛄 ADF	Demo 🏅 Google 🔟 Setup	is 🛃 workspace	may increase server performance.) More Info					
— 🗢 Advanc	ed							
V Test Con	nections On Reserve		Enables WebLogic Server to test a connection before giving it to (Requires that you specify a Test Table Name.) More Info	a dient.				
Test Freque	ncy:	120	The number of seconds between when WebLogic Server tests un connections. (Requires that you specify a Test Table Name.) Con that fail the test are doeed and reopened to re-stabilish a valid connection. If the test fails again, the connection is dosed. More	The number of seconds between when WebLogic Server tests unused connections. (Requires that you specify a Test Table Name.) Connections that fail the test are closed and reopened to re-establish a valid physical connection. If the test fails again, the connection of is closed. More Info				
Test Table N SQL SELE	Mame: CT 1 FROM DUAL		The name of the database table to use when testing physical dat connections. This name is required when you specify a Test Freq enable Test Reserved Connections. More Info	tabase uency and				
Seconds to 1 Connection:	Trust an Idle Pool	10	The number of seconds within a connection use that WebLogic Server trusts that the connection is still viable and will skip the connection test, either before delivering it to an application or during the periodic connection testing process. More Info					
Shrink Frequ	uency:	900	The number of seconds to wait before shrinking a connection pool incrementally increased to meet demand. More Info	ol that has				
୶ Init SQL:			SQL statement to execute that will initialize newly created physic connections. Start the statement with SQL followed by a space.	al database More Info				
Connection	Creation Retry Frequency:	0	The number of seconds between attempts to establish connection database. More Info	ins to the				
<u>ර</u> සි Login De	lay:	0	The number of seconds to delay before creating each physical da connection. This delay supports database servers that cannot ha multiple connection requests in rapid succession. More Info	atabase andle				
Inactive Cor	nnection Timeout:	0	The number of inactive seconds on a reserved connection before Server redains the connection and releases it back into the conn pool. More Info	e WebLogic vection				
Maximum W	Vaiting for Connection:	2147483647	The maximum number of connection requests that can concurren threads while waiting to reserve a connection from the data sour	itly block				

You can specify the required parameters for connection pooling. In the second section check the option against "Test Connections On Reserve" and click Save.

Settings for A1 - FCDB62 DOMAIN - WLS Co	onsole - Mozilla	Firefox								æ- -	×
<u>File Edit View History Bookmarks Tools</u>	<u>H</u> elp										
Settings for A1 - FCDB62_DOMAIN - WL	+										-
iflmudim13095:7001/console/	console.portal?	_nfpb=true&_pag	eLabel=Jd	lbcDatasc	ourcesJDBCD	ataSourceCo	nfigConnectionPoo	olTabPage&JdbcD 🏫 🛡 C 🛛 🚷 - Google	۹ 🍙	,	•
📙 Local 🔜 QT 🔒 Bugs 🔅 weblogic 🔅 a	df login 🧧 Al	DF Demo 🔧 Goo	gle 📙 Si	etups 🖬	workspace						
	Administratio	n Console								Q	Â
Change Center	Home L	og Out Preferences	s 🔤 Reco	ord Help		٩		Welcome, weblogic Connected to: Fo	DB62_DC	DMAIN	
View changes and restarts	Home >Sun Sources >A	nmary of Machines >F 1	-CDBMachi	ne >Summ	ary of Servers	>FCDBserver >	Summary of Deploym	ments >Summary of JDBC Data Sources >A1 >Summary of Deployments >Summary of JDB	C Data		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages	iges have been activ	vated. No r	restarts ar	e necessary.						
Domain Structure	Setting:	s updated successfu	illy.								
FCDB62_DOMAIN	Settings for	A1									Ξ
Environment Deployments	Configurat	tion Targets M	Ionitoring	Control	Security	Notes					
Services Hessaging	General	Connection Pool	Oracle	ONS	Transaction	Diagnostics	Identity Options				
Persistent Stores	Save										
Foreign JNDI Providers	_					6 10 0 0					
XML Registries	are create	ction pool within a J d when the connect	DBC data s tion pool is	registered	itains a group I, usually whe	of JDBC conne en starting up V	ections that applications that	ions reserve, use, and then return to the pool. The connection pool and the connection when deploying the data source to a new target.	ns within it		-
jCOM	Use this pi	age to define the co	nfiguration	n for this d	ata source's o	connection poo					
Mail Sessions											
How do I	🥂 URL:			j	dbc:oracle	:thin:@10.18	0.47.236:1521:FC	CDB The URL of the database to connect to. The format of the URL v JDBC driver. More Info	aries by		
Configure testing options for a JDBC data source	街 Driver	Class Name:		C	oracle.jdbc	.xa.client.Or	acleXADataSour	rce The full package name of JDBC driver class used to create the ph database connections in the connection pool. (Note that this driv must be in the classpath of any server to which it is deployed.)	ysical er class More Info.		
 Configure the statement cache for a JDBC connection pool 	-										
Configure credential mapping for a JDBC data source	user=F0	rties: CDBAPPQT62R2						The list of properties passed to the JDBC driver that are used to physical database connections. For example: server =dbserver1. property=value pair on a separate line. More Info	create List each		
System Status											
Health of Running Servers											
Failed (0)											
Overloaded (0)	System Pr	roperties:						The list of System Properties names passed to the JDBC driver th	at are used	d	
Warning (0)								to create physical database connections. For example: server=d List each property=value pair on a separate line. More Info	bserver1.		
	1 Passw	ora:		•	•••••	•••••	•	The password attribute passed to the JUBC driver when creating database connections. More Info	pnysical		
	Confirm P	assword:		Γ.							-
							_			1	

The server should be running to perform the remaining steps.

On the same screen next to the Configuration tab, select the "Monitoring" tab on the top. Select Testing tab under Monitoring tab and then Select the radio button against the server and click "Test Data Source".



A success message with the connection tested successfully must appear.

Settings for A1 - FCDB62_DOMAIN - WLS C File Edit View History Bookmarks Tools	S Console - Mozilla Firefox Jols Help							
Settings for A1 - FCDB62_DOMAIN - WL								
🔄 🔅 🗇 📋 ifimudimi3095:7001/console/console.portal?_nfpb=true&_pageLabel=JdbcDatasources/DBCDataSources/DBCD								
📙 Local 📙 QT 🔒 Bugs 🗌 weblogic 🗍 a] adf login 🖸 ADF Demo 🔧 Google 📙 Setups 🗮 workspace							
	Administration Console	Q						
Change Center	💼 Home Log Out Preferences 🔤 Record Help	weblogic Connected to: FCDB62_DOMAIN						
View changes and restarts	Home >FCDBserver >Summary of Machines >FCDBMachines >Summary of Servers >FCDBserver >Summary of Servers >FCDBserver >Summary of JDBC Data Sources >A1							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages & Test of A1 on server FCD8server was successful.							
	Settings for A1							
ECDB62 DOMAIN	Configuration Targets Monitoring Control Security Notes							
P-Environment	Statistics Testing							
ServersClustersVirtual HostsMigratable TargetsMigratable TargetsServers	Use this page to test database connections in this JDBC data source.							
	Customize this table Test Data Source (filtered - More Columns Exist)							
LStartup and Shutdown Classes	Test Data Source	Showing 1 to 1 of 1 Previous Next						
E-Services	Server State							
How do L.,	FCD8server Running							
Test JDBC data sources	Test Data Source	Showing 1 to 1 of 1 Previous Next						
 Configure testing options for a JDBC data source 								
System Status								
Health of Running Servers								
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)								
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporatio	. All rights reserved, ation and/or is affiliates. Other names may be trademarks of their respective owners.							

The property files mentioned in the <u>Appendix</u> will need to be updated with the data source and connection pool details as per the "Oracle_FLEXCUBE_Direct_Banking_Parameter_Sheet" under the Module Name "Core" and for Property location "fcat.properties" and "fcat-config.xml" where the Parameter Name includes application id "A1 and AP".

Different data sources can be created w.r.t Application Id, Application type etc.

6.JMS queue creation on Weblogic server

This section assumes that Weblogic JMS is to be used as the queuing system. For a detailed explanation on creation of queues on Weblogic JMS, please refer to the document

Oracle_FLEXCUBE_Direct_Banking_JMS_Queue_Creation_On_Weblogic.doc.

After completing the steps mentioned in above document, follow steps below

6.1.Create JMS Module

Click on "Services→Messaging→JMS Modules" on the left menu. Click on "New" button on RHS screen.

Create JMS System Module - FCDB62_DOM	AIN - WLS Console - Mozilla Firefox						
<u>File Edit View History Bookmarks Tools</u>	Help						
Create JMS System Module - FCDB62_D	+						
iflmudim13095:7001/console/	console.portal?CreateJMSSystemModulePort	letreturnTo=JmsModulesTablePage&JmsMod	ulesTablePortlethandle $\bigcirc \forall C$	<mark>∛]</mark> → Google	ρ 🏦 🤗 •		
🔒 Local 🍶 QT 🍶 Bugs 🔅 weblogic 🔅 a	df login 🛄 ADF Demo 🔧 Google 📙 Set	ups 🗮 workspace					
	Administration Console				Q		
Change Center	🔒 Home Log Out Preferences 🔤 Record	i Help		Welcome, weblogic Connecte	ed to: FCDB62_DOMAIN		
View changes and restarts	Home >MQIntegrationTest >MQTestForeignSe	rver >JMS Modules >MQIntegrationTest >MQTestFore	eignServer >Configuration >JMS Modules	>MQIntegrationTest >placeholder >JMS Modules	5		
Configuration editing is enabled. Future changes will automatically be activated as you	Create JMS System Module						
modify, add or delete items in this domain.	Back Next Finish Cancel						
Domain Structure	The following properties will be used	to identify your new module.					
FCD862_DOMAIN	JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources. * Indicates required fields						
	What would you like to name your System M	odule?					
	What would you like to name the descriptor	SystemModule-0	will be assigned.				
	Descriptor File Name:						
Configure JMS system modules	Where would like to place the descriptor for	this System Module, relative to the jms configuration	on sub-directory of your domain?				
Configure JMS servers	Location In Domain:						
System Status Health of Running Servers	Back Next Finish Cancel						
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)]		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademark						

1. Type in a name "*MQIntegrationTest*" in the Name text box and click "Next".

Create JMS System Module - FCDB62_DOM	VAIN - WLS Console - Mozilla Firefox	
File Edit View History Bookmarks Tools	Is Help	
() iffmudim13095:7001/console/	e/console_portal?CreateIMSSystemModulePortletreturnTo-ImsModulesTablePage8/ImsModulesTablePortlethandle 📩 🛛 🦓 🛪 Google	2 🏠 🕷 -
	au login 🔤 Aur Denio 🅤 Google 📑 Seculs 😝 Workspace	0
Channe Camber	Welcome, weblogic Connecter	to: FCDB62_DOMAIN
View changes and restarts	Home >MQIntegrationTest >MQInteg	
Configuration editing is enabled. Future	Create JMS System Module	
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cancel	
Domain Structure	The following properties will be used to identify your new module.	
FCD662_DOMAIN ▲ ⊕ E-puryonment → → Deployments ■ ⊖ Services ■ ↓ → MS Servers → → → MS Servers ■ → → Dath Services ■ ⊕ = hridges ■ → Data Sources ■ → Persistent Stores ■ → Work Contexts ▼	JMS system resources are configured and stored as modules similar to standard J2EE modules. Such resources include queues, topics, connection factories, templates, destination ket distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global set indicates required fields * Indicates required fields What would you like to name your System Module? * Name: MQIntegration Test What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned. Descriptor File Name:	ys, quota, ,ystem resources.
How do I	Where would like to place the descriptor for this System Module, relative to the ims configuration sub-directory of your domain?	
Configure JMS system modules Configure JMS servers	Location In Domain:	
System Status	Back Next Finish Cancel	
Health of Running Servers		
Falled (0) Critical (0) Overloaded (0) Warning (0) OK (2)		

Copyright © 1996,2010, Oracle and/or its affiliates. All rights reserved.
2. Select the target server as "FCDB server" and click "Next"

🥘 Create JMS System Module - FCDB62_DOMAIN - WLS Console - Mozilla Firefox								
File Edit View Higtory Bookmarks Iools Help								
Create JMS System Module - FCDB62_D	Create JMS System Module - FCDB62_D +							
iflmudim13095:7001/console/	'console.portal?CreateJMSSystemModulePortlet_actionOverride=/com/bea/console/actions/jms/modules/system/ 🏠 🔻 C 🛛 🚺 🛪 Google		· 🥐					
🔒 Local 🔒 QT Ы Bugs 🗌 weblogic 🛄 a	rdf Iogin 🖸 ADF Demo 🚼 Google 📙 Setups 🚍 workspace							
	Administration Console		õ					
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	.o: FCDB62_D	OMAIN					
View changes and restarts	Home >MQIntegrationTest >MQTestForeignServer >JMS Modules >MQIntegrationTest >MQTestForeignServer >Configuration >JMS Modules >MQIntegrationTest >placeholder > JMS Modules							
Configuration editing is enabled. Future changes will automatically be activated as you	Create JMS System Module							
modify, add or delete items in this domain.	Back Next Finish Cancel							
Domain Structure	The following properties will be used to target your new JMS system module.							
FCDB62_DOMAIN	Use this page to select the server or duster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.							
-Messaging -JMS Servers -Store-and-Forward Agents -Store-and-Forward Agents	Targets :							
	Servers							
⊞-Bridges	AdminServer							
Persistent StoresForeign JNDI ProvidersWork Contexts	I FCDBserver							
How do I	Back Next Finish Cancel							
Configure JMS system modules								
Configure JMS servers								
System Status								
Health of Running Servers								
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)								
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates, All	richts reserved.							

3. Click on the "Finish" without selecting the add resource to this JMS System Module.



4. Following screen will appear.

Summary of JMS Servers - base_doma	in - W	LS Co	onsole - Microsoft Internet Explore	r				BX
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp								- <i>R</i>
🌀 Back 🝷 🕥 🕤 🗾 🛃 🌈	Searc	h 火	🕇 Favorites 🚱 🔗 - 🌺 🖻	* 📴 🏭 🦀				
Address 🕘 http://10.180.81.173:7001/console/co	onsole.p	oortal?	_nfpb=true&_pageLabel=JmsServerJMSSer	verTablePage			💌 🄁 Go	Links ×
🗩 McAfee' 🥻 -								
	Admir	nistra	tion Console					~
Change Center		Home	e Log Out Preferences 📐 Record Help	<u> </u>		Welcome, vidit	nnected to: base_do	main
View changes and restarts	H Se	lome >S ources	Summary of Deployments >Summary of Enviro >Summary of Services: JMS > Summary of J M	nment >Summary of Deployments >Summary of S 18 Servers	Services >Summary of Services: JD	DBC >Summary of JDBC Data Sources >A1 >S	Summary of JDBC Data	
Configuration editing is enabled. Future changes will automatically be activated as you	Me	ssage	5					
modify, add or delete items in this domain.	•	🖉 All d	hanges have been activated. No restarts ar	e necessary.				
Domain Structure	•	🖉 JMS	Server created successfully					
base_domain	Sur	nmar	y of JMS Servers					
Hermiter Hermiter	IMS servers act as management containers for the queues and topics in JMS modules that are targeted to them. This page summarizes the JMS servers that have been created in the current WebLogic Server domain.							
Deployments	J	MS Se	ervers(Filtered - More Columns Exist)					
B-Services		New	Delete			Showing 1 to	1 of 1 Previous Next	t
<u>JMS Servers</u>	Ĺ	_						
Store-and-Forward Agents			Name 🖚	Persistent Store	Target	Current Server	Health	
How do I			MQIntegrationTest		FCDBSERVER	FCDBSERVER	🗸 ок	
Configure JMS servers	ſ	New	Delete			Showing 1 to	1 of 1 Previous Next	t 🛛
Configure JMS system modules								- 1.2
System Status								_
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (2)								
WebLogic Server Version: 10.3.1.0 Copyright @ 1996,2009, Oracle and/or its affiliates. All	l rights r	eserved	l. lister Other parent part he harden at a fill in					
Oracle is a registered trademark of Oracle Corporatio	in and/o	n its am	nates. Other manies may be trademarks of their	respective owners.				

6.2.Create JMS Foreign Server

5. Select "Services→Messaging→JMS Modules" and click the link of the newly created module "MQIntegrationTest".

🕑 JMS Modules - FCDB62_DOMAIN - WLS Console - Mozilla Firefox 🕞 👘 📧								
JMS Modules - FCDB62_DOMAIN - WLS	JMS Modules - FCDB82_DOMAIN - WLS +							
(+) iflmudim13095:7001/console/	/console.portal?_nfpb=true&_pageLabel=JmsModulesTablePage	☆ マ C 🚼 - G	Google 🔎 🍙 🐖					
🔒 Local Ы QT 📙 Bugs 🗌 weblogic 🗍 a	adf login 🖸 ADF Demo 🔧 Google 📙 Setups 🗮 workspace							
	Administration Console							
Change Center	🔒 Home Log Out Preferences 🖂 Record Help		Welcome, weblogic Connected to: FCDB62_DOM					
View changes and restarts	Home >JMS Modules >MQIntegrationTest >MQTestForeignServer >Configuration >JMS Modules >	MQIntegrationTest >placeholder >JMS Modules >MQ	IntegrationTest >JMS Modules					
Configuration editing is enabled. Future	JMS Modules							
modify, add or delete items in this domain.								
Domain Structure	JMS system resources are configured and stored as modules similar to standard J2EE module distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) pa	es. Such resources include queues, topics, connect arameters. You can administratively configure and r	tion factories, templates, destination keys, quota, manage JMS system modules as global system resources.					
FCDB62_DOMAIN	This page summarizes the JMS system modules that have been created for this domain.							
-Deployments	D. Contractor Mile Andre							
E-Messaging	Customize this table							
JMS Servers Store-and-Forward Agents	JMS Modules							
JMS Modules	New Delete		Showing 1 to 1 of 1 Previous Next					
Path Services ⊕-Bridges	🔲 Name 🗞		Туре					
Data Sources	MQIntegrationTest		System					
Foreign JNDI Providers	New Delete	· · · · · · · · · · · · · · · · · · ·	Showing 1 to 1 of 1 Previous Next					
Work Contexts								
How do I								
Configure JMS system modules								
Configure resources for JMS system modules	Sort table by Name							
Sustan Status								
Health of Running Servers								
Eailed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporatio	i rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.							

6. Click the "New" button.

Settings for MQIntegrationTest - FCDB62_D	OMAIN - WLS Console - Mozilla Firefox	(
<u>File Edit View History Bookmarks T</u> ools	: <u>H</u> elp					
Settings for MQIntegrationTest - FCDB6	+				÷	
+ iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLabe	l=JMSSystemModuleC	onfigGeneralPage	🟫 ⊽ C 🚼 - Googl	e 👂 🍙 🥐 •	
🤳 Local Ы QT 📙 Bugs 🔅 weblogic 🔅 a	adf login 🖸 ADF Demo 🔧 Google 🛽	占 Setups 🛃 workspa	ce			
	Administration Console				<u> </u>	
Change Center	🛍 Home Log Out Preferences 🔤	Record Help	٩	1	Welcome, weblogic Connected to: FCDB62_DOMAIN	
View changes and restarts	Home >MQIntegrationTest >MQTestFo	reignServer >Configuratio	n >JMS Modules >MQIntegrationTest >pla	ceholder >JMS Modules >MQIntegrationTest >JM	5 Modules > MQIntegrationTest	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for MQIntegrationTest					
modify, add or delete items in this domain.	Configuration Subdeployments	Targets Security	Notes			
Domain Structure						
FCDB62_DOMAIN	This page displays general informati	on about a JMS system m	odule and its resources. It also allows y	you to configure new resources and access exis	ting resources.	
Deployments	Name:	MQInt	egrationTest	The name of this JMS system module. More Info		
	Descriptor File Name:	jms/mo	integrationtest-jms.xml	The name of the JMS mod	ule descriptor file. More Info	
JMS Modules Path Services ❶-Bridges	This page summarizes the JMS resou destination quota, distributed destin	rces that have been creations, foreign servers, a	ated for this JMS system module, includ and store-and-forward parameters.	ing queue and topic destinations, connection fa	ctories, JMS templates, destination sort keys,	
Data Sources Persistent Stores	Customize this table					
Foreign JNDI Providers Work Contexts	Summary of Resources					
How do I	New Delete				Showing 0 to 0 of 0 Previous Next	
Configure JMS system modules	🔲 Name 🗞	Туре	JNDI Name	Subdeployment	Targets	
Configure subdeployments in JMS system			There are no i	tems to display		
Configure resources for JMS system modules	New Delete				Showing 0 to 0 of 0 Previous Next	
System Status						
Health of Rupping Servers						
Eailed (0)						
Critical (0)						
Overloaded (0)						
OK (2)						
WebLogic Server Version: 10.3.4.0						

7. Select "Foreign Server" radio button and click Next

DRACLE WebLogic Server®	Administration Console	
ange Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: FCDB62_DOI
w changes and restarts	Home >MQIntegrationTest >MQTestForeignServer >Configuration >JMS Modules >MQIntegrationT	est >placeholder >JMS Modules >MQIntegrationTest >JMS Modules >MQIntegrationTest
nfiguration editing is enabled. Future anges will automatically be activated as you dify, add or delete items in this domain.	Create a New JMS System Module Resource	
omain Structure	Choose the type of resource you want to create.	
DB62_DOMAIN		
-Deployments	Use these pages to create resources in a JMS system module, such as queues, topics, templa	tes, and connection factories.
⊢Services ⊢Messaging E ⊢JMS Servers ⊷Store-and-Forward Agents	Depending on the type of resource you select, you are prompted to enter basic information f factories, distributed queues and topics, foreign servers, and JNS SAF destinations, you can targetable resources with subdeployments, which is an advanced mechanism for grouping JM	or creating the resource. For targetable resources, like stand-alone queues and topics, connection also proceed to targeting pages for selecting appropriate server targets. You can also associate S module resources and the members to server resources.
JMS Modules Path Services BBridges	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS dients. More Info
Data Sources Persistent Stores Foreign JNDI Providers	◎ Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info
w do L	🔘 Торіс	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
Configure JMS templates Configure destination keys	O Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. More Info
Configure topics Configure queues	O Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info
Configure connection factories Configure uniform distributed topics Configure uniform distributed queues	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
Configure foreign servers Configure JMS SAF	🔘 Quota	Controls the allotment of system resources available to destinations. More Info
rstem Status	O Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
ealth of Running Servers Failed (0)	◎ JMS Template	Defines a set of default configuration settings for multiple destinations. Mor Info
Critical (0) Overloaded (0) Warning (0) OK (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or duster that is imported into the local duster or server instance, so that the local server instance or duster can send messages to the remote server instance or duster. More Info
	⑦ Remote SAF Context	Defines the URL of the remote server instance or cluster where a JMS destination is exported from. It also contains the security credentials to be authenticated and authorized in the remote cluster or server. More Info
	SAF Error Handling	Defines the action to take when the SAF service fails to forward messages to remote destinations. More Info
	Back Next Finish Cancel	
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates, All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.	

8. Enter "*MQTestForeignServer*" in the Name text box, click "Next" button.

🥹 Create a New JMS System Module Resource	e - FCDB62_DOMAIN - WLS Console - Mozilla Firefox						
<u>File Edit View Higtory Bookmarks Iools Help</u>							
Create a New JMS System Module Resou	+	-					
(+) iflmudim13095:7001/console/	/console.portal?ImsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/modules/sy 🏫 🔻 🕑 🚼 - Google	₽ ♠ •					
🔒 Local 🎒 QT 🎒 Bugs 🗍 weblogic 🗍 a	adf Iogin 🖸 ADF Demo 😽 Google 🔒 Setups 🖶 workspace						
ORACLE WebLogic Server®	Administration Console	Q					
Change Center	Connected Welcome, weblogic Connected Welcome, weblogic Connected	to: FCDB62_DOMAIN					
View changes and restarts	Home >MQIntegrationTest >MQTestForeignServer >Configuration >JMS Modules >MQIntegrationTest >JAceholder >JMS Modules >MQIntegrationTest >JMS Modules >MQIntegrationTest						
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JHS System Module Resource Back Net Fnish Cancel						
Domain Structure FCDB62_DOMAIN	Foreign Server Properties						
Environment	The following properties will be used to identify your new foreign server. The current module is MQIntegrationTest.						
E-Services	* Takantan ran jirad falda						
-Messaging -IMS Servers	nurgares redmiled heins						
Store-and-Forward Agents	* Name: MQTestForeignServer						
Path Services							
⊞-Bridges	Back Ned Fnish Cancel						
Data Sources Persistent Stores							
Foreign JNDI Providers							
i t= Work Contexts							
How do I							
Configure quotas for destinations							
Configure JMS templates							
Configure destination keys							
Configure cupies Configure queues							
Configure connection factories							
Configure uniform distributed topics							
Configure uniform distributed queues							
Configure foreign servers							
Configure JMS SAF							
System Status							
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. Al	l rights reserved.						

9. The ensuing page shows that the target server is already selected. Click "Finish"

Oreate a New JMS System Module Resource	- FCDB62_DOMAIN - WLS Console - Mozilla Firefox						
File Edit View History Bookmarks Loois Help							
Create a New JMS System Module Resou	+						
♦ ifImudim13095:7001/console/	'console.portal?JmsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/foreignjms/ 🏫 🛡 😋 🚷 - Google	₽ 🏦 🥐 •					
🔒 Local 🔒 QT 🔒 Bugs 🗌 weblogic 🗍 a	stf login 🖸 ADF Demo 🚼 Google 📙 Setups 🚍 workspace						
	Administration Console	Q					
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	d to: FCDB62_DOMAIN					
View changes and restarts	Home >MQIntegrationTest >MQTestForeignServer >Configuration >JMS Modules >MQIntegrationTest >placeholder >JMS Modules >MQIntegrationTest >JMS Modules >MQIntegrationTest						
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Resource						
	Back Next Hnish Advanced largeting Cancel						
Domain Structure	The following properties will be used to target your new JMS system module resource						
BEnvironment Deployments Services	Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do no the default targets, then click Advanced Targeting to use the subdeployment mechanism for targeting this resource.	of want to accept					
	The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retarge	ted appropriately.					
	Targets :						
Data Sources	Servers						
	☑ FCDBserver						
How do I	Back Next Finish Advanced Targeting Cancel						
Configure quotas for destinations							
Configure JMS templates							
Configure destination keys							
Configure topics							
Configure queues							
Configure connection factories							
Configure uniform distributed topics							
Configure dimorn distributed queues Configure foreign servers							
Configure IMS SAE							
- comgare ship or a							
System Status							
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
I warning (0) OK (2)							
WebLogic Server Version: 10.3.4.0 Copyright © 1996.2010, Oracle and/or its affiliates. All	richts reserved.						

- 10. 'The foreign server was created successfully' message will appear.
- 11. Click on the newly created foreign server ("MQTestForeignServer".)

Settings for MQIntegrationTest - FCDB62_DOMA	AIN - WLS Conso	le - Mozilla Firefox	ĸ								Ð	×
<u>File Edit View History Bookmarks Tools H</u>	elp											
Settings for MQIntegrationTest - FCDB6 +												
() iflmudim13095:7001/console/cons	ole.portal?_nfpb	=true&_pageLabe	el=JMSSyster	mModule	ConfigGeneralPag	e		⊽ C 🛃 - Google		٩		÷.
📕 Local 🎒 QT 🎒 Bugs 🗌 weblogic 🗌 adf lo	gin 🖸 ADF De	mo 🚼 Google 📒	🖥 Setups 🧧	works	pace							
	ninistration Co	nsole										Q
Change Center 1	🔒 Home Log Ou	Home Log Out Preferences 🔤 Record Help						We	Icome, weblogic Com	nected to: FCD	B62_D	OMAI
View changes and restarts	Home >Configura	tion >JMS Modules >I	MQIntegration	nTest >plac	eholder >JMS Module	s >MQIntegrat	ionTest >JMS Modules >MQInteg	rationTest >MQTestForeign:	Server > placeholder			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	✓ All changes h ✓ The foreign s	ave been activated. erver was created s	. No restarts a uccessfully.	are necess	sary.							
Domain Structure	ettings for MQI	ntegrationTest										
FCDB62_DOMAIN	Configuration	Subdeployments	Targets	Security	Notes							
Services Messaging JMS Servers Store-and-Forward Agents	This page displa	ys general informatio	on about a JM	4S system	module and its resou	ırces. It also a	llows you to configure new res	ources and access existing) resources.			
JMS Modules	Name:			MQI	ntegrationTest		The name of this JMS system module. More Info					
Bridges Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	Descriptor File This page summ destination quot	Name: arizes the JMS resou a, distributed destin	urces that hav nations, foreig	jms/i ve been cr gn servers	mgintegrationtest-jm reated for this JMS sy , and store-and-forw	s.xml ystem module, vard paramete	The including queue and topic dest rs.	name of the JMS module	descriptor file. More In	ifo tination sort ke	ys,	
How do L	Customize thi	s table										
Configure JMS system modules	Summary of R	esources										
 Configure subdeployments in JMS system modules 	New Dele	e							Showing 1	to 1 of 1 Prev	ious N	ext
Configure resources for JMS system modules	🔲 Name 🗞			1	Гуре		JNDI Name	Subdeployment		Targets		
System Status	MQTestFor	eignServer		F	oreign Server		N/A					
Health of Running Servers	New Dele	e							Showing 1	to 1 of 1 Prev	ious N	ext
Failed (0) Critcal (0) Overloaded (0) Warning (0) OK (2)												
WebLogic Server Version: 10.3.4.0	r reserved											

12. Under the tab "Configuration \rightarrow General" type in following details

Property	Value
JNDI Initial Context Factory	weblogic.jndi.WLInitialContextFactory
JNDI Connection URL	t3://localhost:7003 (The server IP of the weblogic server where queues are created should be mentioned here. If the queues are on the same server as FCDB, then localhost can be mentioned. The port should be queuing server's bookstrap port). If https is to be used then t3s should be used.

Settings for MQTestForeignServer - FCDB62_L	DOMAIN - WLS Console - Mozilla Firefox		le l
ile <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools	Help		
Settings for MQTestForeignServer - FCD			
Timudim13095:/001/console/co	onsole.portal:_nfpb=true&_pageLabel=Fo	reignJMSServerconfigGeneral labPage&handle=com.bea.console	inanc V C S Coogle P m
Local L QT Bugs weblogic ad	ff login 🛄 ADF Demo 🏹 Google 🔟 Se	tups 🔁 workspace	
	Administration Console		Q
Change Center	Home Log Out Preferences 🔛 Reco		Welcome, weblogic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >JMS Modules >MQIntegration Lest >p	vacenoider >JMS Modules >MQLintegration Lest >JMS Modules >MQLintegration	on Lest >MQ Lest+oreignServer >placenolder >MQ Lest+oreignServer
configuration editing is enabled. Future changes will automatically be activated as you	Settings for MQTestForeignServer		
modify, add or delete items in this domain.	Configuration Subdeployment Note	15	
Jomain Structure	General Destinations Connection Fa	actories	
E-Environment	Save		
-Services -Messaging	A foreign server represents a JNDI provid connection factory and destination object	der that resides outside a WebLogic Server. It contains information that is (queues or topics) can be defined on one JNDI directory. Use this pag	allows WebLogic Server to reach the remote JNDI provider. This way, a number of ge to configure a foreign server.
Store-and-Forward Agents JMS Modules	赶 Name:	MQTestForeignServer	The name of this foreign server. More Info
Parisjes Berlidges **Data Sources **Persistent Stores	JNDI Initial Context Factory:	weblogic.jndi.WLInitialCi	The name of the class that must be instantiated to access the JNDI provider. This class name depends on the JNDI provider and the vendor that are being used. More Info
How do I	👸 JNDI Connection URL:		The URL that WebLogic Server will use to contact the JNDI provider. The syntax of this URL depends on which JNDI provider is being used. For WebLogic JMS (save this field blank if you are referencing WebLogic JMS objects within the same duster. More Info
Create foreign connection factories Create foreign destinations System Status	JNDI Properties Credential:		Any Credentials that must be set for the INDI provider. These Credentials will be part of the properties will be passed directly to the constructor for the INDI provider's Intiluctiontext class. Note: For secure credential management, use the Credential field. Using the Properties field results in the used by basis between the class of the construction of the Mark Tafe.
Health of Running Servers Failed (0) Coliteral (0)	Confirm JNDI Properties Credential:		ure diedentaal dening soored and displayed as onglinairy entered. Howe 2000
Overlaaded (0) Warning (0) OK (2)	JNDI Properties:		Any additional properties that must be set for the JNDI provider. These properties will be passed directly to the constructor for the JNDI provider's InitialContext class. More Info
	Care		Specifies whether this JMS resource defaults to the parent module's targeting or uses the subdeployment targeting mechanism. More Info
WebLogic Server Version: 10.3.4.0 Copyright © 1996.2010, Oracle and/or its affiliates. All ri	ights reserved.		

13. Click "Save".

6.3.Creating Destinations

14. Click button "New" under "Configuration → Destinations" the tab at the top



15. Click "New" and enter following details.

Oreate a New Foreign JMS Destination - FCD)B62_DOMAIN - WLS Console - Mozilla Fir	efox		
File Edit View History Bookmarks Lools	Help			-
Level iffmudim13095:7001/console/	console portal? nfpb=true& pagel abel=1	mcForeignimsCreateForeignIMSDestination		ρ 🏠 🔹 -
Local U U Bugs webiogic a	.df login 🕒 ADF Demo 🎦 Googie 🛄 S	Jetups 🔁 workspace		
ORACLE WebLogic Server"	Administration Console			
Change Center	Home Log Out Preferences Kee		Welcome, web	logic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >MQIntegration est >placenoider >J	.M5 Modules >MQ1ntegration i est >JM5 modules >MQ1nte	sgration I est >MQ I estForeignServer >piacenoider >MQ i estForeignServer	>Configuration
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New Foreign JMS Destination	n		
modify, add or delete items in this domain.	OK Cancel			
Domain Structure	Foreign Destination Properties			
FCDB62_DOMAIN	The following properties will be used to in	dentify your new foreign destination.		
-Services -Messaging -Messaging -Messaging -Messaging	* Indicates required fields			
Store-and-Forward Agents JMS Modules	* Name:	UPLOAD		
Path Services BridgesData Sources	Local JNDI Name:	jms/UPLOAD		
Persistent Stores Foreign JNDI Providers	Remote JNDI Name:	UPLOAD		
How do I	OK Cancel			
Configure foreign servers				
Create foreign connection factories				
System Status				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0)				
Warning (0) OK (2)				
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All I Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be tradem			

16. Click "OK".

17. Click on Connection Factories under Configuration tab on top and click "New".

Settings for MQTestForeignServer - FCDB62	2_DOMAIN - WLS Console - Mozilla F	irefox				
Ine gan yiew higtory gookmans Jobis Hep						
	/console.portal:_ntpb=true&_pageLa	bel=JmsForeignjmsForeignJWISConnectionFac	ory rabierageonandie=com.b 💢 🗸 C			
Local D QT D Bugs () weblogic () a	adf login 🛄 ADF Demo 🍏 Google	🧾 Setups 🔁 workspace				
ORACLE WebLogic Server®	Administration Console			Ď		
Change Center	Home Log Out Preferences	Record Help	Welco	me, weblogic Connected to: FCDB62_DOMAIN		
View changes and restarts	Home >MQIntegrationTest >placeho	lder >JM5 Modules >MQIntegrationTest >JM5 Module	>MQIntegrationTest >MQTestForeignServer >placeholder >MQTestForei	gnServer > Configuration		
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for MQTestForeignServ	ver				
modify, add or delete items in this domain.	Configuration Subdeployment	Notes				
Domain Structure	General Destinations Conne	ection Factories				
Service Service Services Services Services Services Services Services Bridges "pata Services Pata Services Pata Services	WebLogic Server running in a diff This page summarizes the foreign Customize this table Foreign Connection Factories New Delete	erent cluster or server, or a foreign provider, as lor connection factories that have been created for th (Filtered - More Columns Exist)	g as that provider supports INDI. is domain.	Showing 0 to 0 of 0 Previous Next		
Foreign JNDI Providers Work Contexts	🔲 Name 🐟	Local JNDI Name	Remote JNDI Name			
How do I			There are no items to display			
Configure foreign servers	New Delete			Showing 0 to 0 of 0 Previous Next		
Create foreign destinations						
	1					
Health of Purping Servers						
Faled (0) Critical (0) Overlaaded (0) Warning (0) OK (2) Weblooc Cenver Version: 10.3.4.0						
Copyright © 1996,2010, Oracle and/or its affiliates, All Oracle is a registered trademark of Oracle Corporation	ll rights reserved. on and/or its affiliates. Other names may be t	rademarks of their respective owners.				

18. Enter following details in "Create a New Foreign JMS Connection Factory".

Property	Value
Name	FCDBQCF
Local JNDI Name	jms/ FCDBQCF (Name of the Queue Connection Factory)
Remote JNDI Name	FCDBQCF (Name of the Queue Connection Factory)

Create a New Foreign JMS Connection Factor File Edit View History Bookmarks Tools	ory - FCDB62_DOMAIN - WLS Console - Heln	Mozilla Firefox		
Create a New Foreign JMS Connectio ×	to convert word file into pdf file - Go	× +		-
iflmudim13095:7001/console/	console.portal?_nfpb=true&_pageLabel	=JmsForeignjmsCreateForeignJMSConnectionFactory	☆ マ C Soogle	۹ 🖗 -
Local OT Bugs weblogic a	adf Iogin 🖸 ADF Demo 🔧 Google 🔒	Setups 🛱 workspace		
ORACLE WebLogic Server®	Administration Console			0
Change Center	🙆 Home Log Out Preferences 🔤 R	Record Help	Welcome, weblog	ic Connected to: FCDB62_DOMAIN
View changes and restarts	Home >JM5 Modules >MQIntegrationTes	st >JMS Modules >MQIntegrationTest >MQTestForeignServer >placehold	der >MQTestForeignServer >Configuration >FCDBQCF > Configu	ration
Configuration editing is enabled. Future	Create a New Foreign JMS Connect	ion Factory		
modify, add or delete items in this domain.	OK Cancel			
Domain Structure	Foreign Connection Factory Pro	perties		
PCD662_DOMAIN	The following properties will be used t	to identify your new foreign connection factory.		
Services Hersaging TMessaging TMS Servers	* Indicates required fields			
Store-and-Forward Agents JMS Modules Path Services	* Name:	FCDBQCF		
Bridges Data Sources	Local JNDI Name:	jms/ FCDBQCF		
Foreign JNDI ProvidersWork Contexts	Remote JNDI Name:	FCDBQCF		
How do I	OK Cancel			
Configure foreign servers				
Create foreign destinations				
System Status				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (7)				
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trade	emarks of their respective owners.		

Click "OK". With that you are done with creating and configuring Foreign JMS Server.

7.Module Installation

7.1. Bulk Module Setup

To deploy the bulk module on Weblogic JMS follow the steps explained in the doc "Oracle_FLEXCUBE_Direct_Banking_JMS_Queue_Creation_On_Weblogic" along with the deployment of MDBs as explained in section "<u>Deploying Applications</u>". The MDBs will be deployed as a normal war/ear deployment. Alongwith the MDBs Refer to the <u>Appendix</u> for the ears required to be deployed for Bulk.

A queue connection factory with the JNDI name "jms/FCDBQCF" is required to be created.

List of queues required for Bulk module are:-

- 1. jms/UPLOAD
- 2. jms/DECRYPT
- 3. jms/PREPROCESS
- 4. jms/PROCESS
- 5. jms/AUTH
- 6. jms/AUTHREJECT
- 7. jms/RESPONSE
- 8. jms/COMPLETE

The list of MDBs required for deployment on the queues is as follows:

- 1. UPLOAD_MDB
- 2. DECRYPT_MDB
- 3. PREPROCESS_MDB
- 4. PROCESS_MDB

- 5. AUTH_MDB
- 6. AUTHREJECT_MDB
- 7. RESPONSE_MDB
- 8. COMPLETE_MDB

Configure the properties in as per the sheet attached "Oracle_FLEXCUBE_Direct_Banking_Parameter_Sheet" for the Property Location "fcat.properties and fcat.config file" under the Module Name for the "BULK" section.

Creating Data source for Bulk Connection:

To create Data source for Bulk connection follow the steps of creation of 'XA Enabled Data Source. (As mentioned in the section 'Setup JDBC data source and Connection Pooling' of this document) using following parameters.

Property	Value
Data Source Name	ВТ
JNDI Name	ВТ
Database Type	Oracle
Database Driver	Oracle's Driver (Thin XA) Versions:9.0.1 or later

7.2. Alerts Notification and Chase Cycle Setup

To deploy the Alerts and Chase module on the Weblogic JMS follow the steps explained in the doc "Oracle_FLEXCUBE_Direct_Banking_JMS_Queue_Creation_On_Weblogic" along with the deployment of MDBs as explained in section "<u>Deploying Applications</u>". The MDBs will be deployed as a normal war/ear deployment.

- 1. Create one queue manager and two Queues. One Queue manager will manage both the queues.
- 2. Deploy the following MDBs for Alerts and Chase:
 - a. AlertMDBQueue
 - b. ChaseQueue
- Configure the properties in as per the sheet attached "Oracle_FLEXCUBE_Direct_Banking_Parameter_Sheet" for the Property Location "fcat.properties and fcat.config file" under the Module Name for "Timer Bean, Alerts (Email), Alerts (SMS),EMAIL SMTP,Chase"

7.3.J2ME based Oracle FLEXCUBE Direct Banking Application

The following archives should be downloaded on user mobile to enable J2ME Based Oracle FLEXCUBE Direct Banking Application:

Deployable	Path Location
FCDBMidlet.jar	<fcdb base="" dir="">\deploy\mobile</fcdb>
FCDBMidlet.jad	<fcdb base="" dir="">\deploy\mobile</fcdb>

7.4.SMS based Oracle FLEXCUBE Direct Banking Application

The following web archive needs to be deployed on the Application server to enable SMS Based Oracle FLEXCUBE Direct Banking Application:

Deployable	Context	Path Location
SMS.war	SMS	<fcdb base="" dir="">\deploy</fcdb>

8.DB Creation

For completing the DB setup kindly refer to the doc "Oracle_FLEXCUBE_Direct_Banking_Database_Setup"

Once the database scripts are successfully executed the SUPERADMIN user created must be unlocked by executing the files in the <u>Tools</u> Section.

9.Encryption and Decryption of property files

The property files <Identity>.xml , fcat-config.xml and fcat.properties mentioned in the <u>Appendix</u> will be stored in the encrypted format and decrypted later for reading them.

The system property "fcat.propfile.isencr" is set as "true"; if the property files are encrypted. It is set as "false"; if property files are in plain text format. If this property is not set at all as system property then all the property files are assumed to be in plain text format.

The usage of the tools are mentioned in the **Tools** section.

10.Service Tier Security

10.1.Webservice Mode

For enabling webservice mode, the invocation mode in fcat-config.xml should be set as 'W'.

Application Name	Deployable	Context	Path Location
service	service.ear	service	<fcdb base="" dir="">\deploy\weblogic</fcdb>

Deployment of application through *Webservice* mode requires following ear:

After deploying services.ear, please follow the below steps to authenticate webservice -

1. Create a user under the current security realm.

Summary of Security Real: ×	Contraction of the Association o	Agent, Inc. Party and Comparish, No.	
← → C 🗋 10.180.59.131:7001/c	console/console.portal?_nfpb=true&_pageLabel	=SecurityRealmRealmTablePage	<u>ج</u>
	Administration Console		Ģ
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: FCI
View changes and restarts	Home >Summary of Servers >Summary of Security Realms		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Security Realms	users, arouns, security roles, security policies, a	id sequity providersthat are used to protect Webl onic resources. You can have multiple
Domain Structure	security realms in a WebLogic Server domain, but only one	an be set as the default (active) realm.	
T-Messaging Total Sources Tersistent Stores	This Security Realms page lists each security realm that has	been configured in this WebLogic Server domain.	Click the name of the realm to explore and configure that realm.
Foreign JNDI Providers Work Contexts	Customize this table		
XML Registries XML Entity Caches jCOM	New Delete		Showing 1 to 1 of 1 Previous Next
Mail Sessions E	🔲 Name 🏟	Default Realm	
Security Realms	myrealm	true	
⊡-Interoperability ⊡-Diagnostics ▼	New Delete		Showing 1 to 1 of 1 Previous Next
How do I			
Configure new security realms			
Delete security realms Change the default security realm			
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0)			
Warning (1) OK (1)			
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademarks of their respectiv	e owners.	

Click on the name of security realm.

Under 'User & Groups' tab, click on "New"

🕒 Settings for myrealm - FCI 🗙 📃					-				- 0 - X
← → C 🗋 10.180.59.131:7001/c	onsole/conso	le.portal?_nfpb=tr	ue&_pageLabel	=RealmUserMana	igementT	abPage&ha	ndle=com.bea.console.h	andles.SecurityMBeanHandle	e%28"S ☆ 🖆
	Administration	Console							Q
Change Center	🕜 Home Log	Out Preferences 🔤 R	ecord Help	٩				Welcome, weblogic	Connected to: FCDB
View changes and restarts	Home >Summa	ary of Servers >Summary	of Security Realms >m	yrealm >Users and Group	i >myrealm >	Users and Group	s		
Configuration editing is enabled. Future	Settings for m	nyrealm							
modify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Policies	Credential Mappings	Providers	Migration			
Domain Structure	Users Gro	ups							
FCDB	This page dis	plays information about o	each user that has be	en configured in this see	urity realm.				
Foreign JNDI Providers	New Del	iete						Showing 1 to 2 of 2	Previous Next
XML Registries	Name	<u>م</u>	Descr	iption				Provider	
Mail Sessions	Oracles	lystemUser	Oracle	application software sys	tem user.			DefaultAuthenticator	
E H-File T3	📰 weblogi	ic .	This us	er is the default administ	rator.			DefaultAuthenticator	
How do I	New Del	iete						Showing 1 to 2 of 2	Previous Next
 Manage users and groups 									
Create users Modificultaria									
Delete users									
System Status 😑									
Health of Running Servers									
Falled (0) Critical (0) Overloaded (0) Warning (1) OK (1)									
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. 1 and/or its affiliates.	Other names may be trade	marks of their respecti	ve owners.					

Create a New User - FCDB ×		and Destroy Investigance, No. 1	And an England, Male			
← → C 🗋 10.180.59.131:7001/cc	onsole/console.portal?SecurityUs	ersCreateUserPortletretu	rnTo=RealmUserManageme	entTabPage&SecurityRealmRealmUserManagementUsersPort 😪 📑		
	Administration Console			Q		
Change Center	🟦 Home Log Out Preferences 🔤 Rec	ord Help	Q	Welcome, weblogic Connected to: FCDB		
View changes and restarts	Home >Summary of Servers >Summary of	Security Realms >myrealm >Users a	nd Groups >myrealm > Users and Grou	ps		
Configuration editing is enabled. Future	Create a New User					
modify, add or delete items in this domain.	OK Cancel					
Domain Structure	User Properties					
FCDB	The following properties will be used to i * Indicates required fields	lentify your new User.				
Messaging The second	What would you like to name your new U	er?				
Persistent StoresForeign JNDI ProvidersForeign JNDI Providers	* Name:	FCDBWSUser]			
Work Contexts XML Registries	How would you like to describe the new User?					
XML Entity Caches	Description:					
The second secon	Please choose a provider for the user.					
How do I	Provider:	DefaultAuthenticator 💌				
Create users Modify users	The paceword is accoriated with the login	name for the new Licer				
Delete users		hame for the new oder.				
Create groups	* Password:	•••••				
Manage users and groups	* Confirm Password:	•••••]			
System Status						
Health of Running Servers	Cancel					
Failed (0) Critical (0) Overloaded (0) Warning (1) OK (1)						
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r	ights reserved.	d				

Enter the following values and click "OK"

Field	Value
Name	<enter username=""></enter>
Password	<enter password=""></enter>
Confirm Password	<repeat password="" same=""></repeat>

Go to Deployment and click on "service"
 Go to Security → Policies → Add condition



From predicate list, select the "User" option and click on "Next"

Settings for service_12.0.2 ×	Insta ADCAR Dear Annual A	
← → C 🗋 10.180.59.131:7001/cc	onsole/console.portal?AppApplicationSecurityPoliciesPortlet_actionOverride=/com/bea/console/actions/security/policies/ad	dcondition/pseudo_l දි 🗧
	Administration Console	Q
Change Center	🟦 Home Log Out Preferences 🗟 Record Help	ome, weblogic Connected to: FCD
View changes and restarts	Home >myrealm >Users and Groups >myrealm >Users and Groups >Summary of Deployments >service_12.0.2 >Summary of Deployments >service_12.0.2 >Roles >Policies	
Configuration editing is enabled. Future	Settings for service_12.0.2	
modify, add or delete items in this domain.	Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes	
Domain Structure	Roles Policies	
FCDB	Back Next Finish Cancel	
Clusters	Choose a Predicate	
Virtual Hosts	Choose the predicate you wish to use as your new condition	
Coherence Servers	The predicate list is a list of available predicates which can be used to make up a security policy condition	
Machines	Predicate List:	
Work Managers		
Deployments	Back Next Finish Cancel	
Er-Services		
How do I		
Create policies for resource instances		
Use roles and policies to secure resources		
Combine Conditions		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Warning (1)		
OK (1)		
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation	nghts reserved. and/or its affiliates. Other names may be trademarks of their respective owners.	

Settings for service_12.0.2 ×	The second	
← → C 🗋 10.180.59.131:7001/c	onsole/console.portal?AppApplicationSecurityPoliciesPortlet_actionOverride=/com/bea/console/actions/security/	policies/addcondition/step1 🎡 🖆
	Administration Console	Q
Change Center	🔒 Home Log Out Preferences 🚵 Record Help	Welcome, weblogic Connected to: FCDB
View changes and restarts	Home >myrealm >Users and Groups >myrealm >Users and Groups >Summary of Deployments >service_12.0.2 >Summary of Deployments >service_12.0.2 >Roles	>Policies
Configuration editing is enabled. Future	Settings for service_12.0.2	
modify, add or delete items in this domain.	Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes	
Domain Structure	Roles Policies	
FCD8 FCD8 FCD8 FCD8 FCD8 FCD4 FCD4 FCD4	Back Finah Cancel Edit Arguments On this page you will fill in the arguments that pertain to the predicate you have chosen. User Argument Description User Argument Name: Image: Ima	
System Status		
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All	rights reserved.	

Specify the name of the user in"User Argument Name" filed and "Add", Click on "Finish"

Click on "Save"

Settings for service_12.0.2 ×	Dask ADCOM Date Arring Andrews, Sc. Surrays in: Comparish Made . Marcad Real	
← → C 🗋 10.180.59.131:7001/c	$/console/console.portal?AppApplicationSecurityPoliciesPortlet_actionOverride=/com/bea/console/actions/app/apppoliciesPortlet_actionSoverride=/com/bea/console/actions/app/app/apppoliciesPortlet_actions/app/app/app/app/app/app/app/app/app/ap$	icies/persist 🔂 🖆
	[®] Administration Console	Ŏ
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: FCDB
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Hone >myrealm >Users and Groups >myrealm >Users and Groups >Summary of Deployments >service_12.0.2 >Summary of Deployments >service_12.0.2 >Roles >Po Messages & Changes saved successfully	licies
Domain Structure	Settings for service_12.0.2	
Domain Structure FCO8 E-Environment Servers -Clusters -Clusters -Cuters -Coherence Servers -Coherence Servers -Coherence Structors -Coherence Servers -Coherence Ser	Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes Roles Policies	n (unless you have defined a policy for a
How do I Create policies for resource instances Use roles and policies to secure resources Combine Conditions System Status Health of Running Servers Faild (0) Coverloaded (0) Warning (1) Overloaded (0) Warning (1) Coverloaded (1)	Policy Conditions These are the conditions which control access to your application resources. Add Conditions Combine Uncombine Move Up Move Down Remove Negate User : COBWSUSer Add Conditions Combine Uncombine Move Up Move Down Remove Negate Save Overridden Policy No Policy Specified	
Copyright © 1996,2010, Oracle and/or its affiliates. All o Oracle is a registered trademark of Oracle Corporation	All rights reserved. tion and/or its affiliates. Other names may be trademarks of their respective owners.	

3. In fcat-config.xml set the following properties with username and password of the user created in above steps.

Field	Value
FCAT.CONNECT.SVC.USERNAME	<enter username=""></enter>
FCAT.CONNECT.SVC.PASSWORD	<enter password=""></enter>

10.2.EJB Mode

For enabling EJB mode, the invocation mode in fcat-config.xml should be set as 'E'.

Deployment of application through *EJB* mode requires following jar:

Application Name	Deployable	Context	Path Location
ServiceEndPointRI	ServiceEndPointRI.jar	ServiceEndPointEJB	<fcdb base="" dir="">\deploy</fcdb>

After deploying ServiceEndPointRI.jar, please follow the below steps to authenticate EJB mode -

1. Create a user under the current security realm.

Summary of Security Real: ×	Contraction of the Association o	Agent, Inc. Participants Comparising Man		
← → C 🗋 10.180.59.131:7001/console/console.portal?_nfpb=true&_pageLabel=SecurityRealmRealmTablePage				
	Administration Console		Ģ	
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: FCI	
View changes and restarts	Home >Summary of Servers >Summary of Security Realms			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Security Realms	users, arouns, security roles, security policies, a	id sequity providersthat are used to protect Webl onic resources. You can have multiple	
Domain Structure	security realms in a WebLogic Server domain, but only one	an be set as the default (active) realm.		
T-Messaging Total Sources Tersistent Stores	This Security Realms page lists each security realm that has	been configured in this WebLogic Server domain.	Click the name of the realm to explore and configure that realm.	
Foreign JNDI Providers Work Contexts	Customize this table			
XML Registries XML Entity Caches jCOM	New Delete		Showing 1 to 1 of 1 Previous Next	
Mail Sessions E	🔲 Name 🏟	Default Realm		
Security Realms	myrealm	true		
⊡-Interoperability ⊡-Diagnostics ▼	New Delete		Showing 1 to 1 of 1 Previous Next	
How do I				
Configure new security realms				
Delete security realms Change the default security realm				
System Status				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0)				
Warning (1) OK (1)				
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademarks of their respectiv	e owners.		

Click on the name of security realm.

Under 'User & Groups' tab, click on "New"

🕒 Settings for myrealm - FCI 🗙 📃									_ 0 X
← → C 🗋 10.180.59.131:7001/cc	onsole/console	e.portal?_nfpb=tr	ue&_pageLabe	I=RealmUserMana	agementT	TabPage&handle=co	om.bea.console.har	ndles.SecurityMBeanHan	dle%28"S 숬 🖆
	ORACLE WebLogic Server® Administration Console					õ			
Change Center	Home Log (Dut Preferences 🔤 R	lecord Help	٩				Welcome, weblogi	C Connected to: FCDB
View changes and restarts	Home >Summar	ry of Servers >Summary	of Security Realms >m	ryrealm >Users and Groups	s >myrealm >	Users and Groups			
Configuration editing is enabled. Future	Settings for m	yrealm							
modify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Policies	Credential Mappings	Providers	Migration			
Domain Structure	Users Grou	ips							
FCDB ▲ Deprivonment □Deployments Dervices Dervices □Deployments Deta Sources □Persitient Stores	This page disp	lays information about e	each user that has be	een configured in this sec	urity realm.				
Foreign JNDI Providers Work Contexts	New Dele	ste						Showing 1 to 2 of	2 Previous Next
XML Registries	Name 4	*	Desci	ription				Provider	
Mail Sessions	OracleSy	ystemUser	Oracle	application software sys	tem user.			DefaultAuthenticator	
Elle T3	eblogic weblogic	1	This us	er is the default administ	prator.			DefaultAuthenticator	
How do I	New Dele	rte						Showing 1 to 2 of	2 Previous Next
Manage users and groups									
Create users Modify users									
Delete users									
System Status									
Health of Running Servers									
Failed (0) Critical (0) Overloaded (0) Warning (1) OK (1)									
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiliates. (Other names may be trade	emarks of their respect	tive owners.					

Create a New User - FCDB ×		Intel Bartony, Security	Res. In. Manager des Company	ALTER STREET	
← → C 🗋 10.180.59.131:7001/c	onsole/console.portal?SecurityU	sersCreateUserPo	rtletreturnTo=RealmUserM	anagementTabPage&Secu	rityRealmRealmUserManagementUsersPort 숬 🧉
	Administration Console				Q
Change Center	🟦 Home Log Out Preferences 🔤 Re	ecord Help	٩		Welcome, weblogic Connected to: FCDB
View changes and restarts	Home >Summary of Servers >Summary of	f Security Realms >myrea	Im >Users and Groups >myrealm > Use	rs and Groups	
Configuration editing is enabled. Future	Create a New User				
modify, add or delete items in this domain.	OK				
Domain Structure	User Properties				
FCD8	The following properties will be used to * Indicates required fields	identify your new User			
-Messaging Data Sources Persistent Stores	What would you like to name your new l	Jser?			
Foreign JNDI Providers Work Contexts XML Registries XML Entity Caches	How would you like to describe the new	User?			
jCOM Mail Sessions	Description:				
	Please choose a provider for the user.				
Oreate users	Provider:	DefaultAuthentic	ator 💌		
Modify users	The password is associated with the log	n name for the new Use	er.		
Delete users Create groups	* Password:	•••••			
Manage users and groups	* Confirm Password:				
System Status	OK Cancel				
Heath of Running Servers Failed (0) Critical (0) Overloaded (0) Warning (1) OK (1) Weblogic Server Version: 10.3.5.0					

Enter the following values and click "OK"

Field	Value
Name	<enter username=""></enter>
Password	<enter password=""></enter>
Confirm Password	<repeat password="" same=""></repeat>

2. In fcat-config.xml set the following properties with username and password of the user created in above steps.

Field	Value
FCAT.CONNECT.SVC.USERNAME	<enter username=""></enter>
FCAT.CONNECT.SVC.PASSWORD	<enter password=""></enter>

3. A role named *FCDBEJBRole* is defined as follows, in *ejb-jar.xml* inside *ServiceEndPointRl.jar.* The user which was created in the above steps is to be assigned this role which is done in step 4.s

<assembly-descriptor> <security-role> <role-name>FCDBEJBRole</role-name> </security-role> <method-permission> <role-name>FCDBEJBRole</role-name> <role-name>FCDBEJBRole</role-name> <method> <method> <method-name>processRequestWithXML</method-name> </method-name>processRequestWithXML</method-name> </method> </method>

4. Update the above created username in *weblogic-ejb-jar.xml* inside *ServiceEndPointRl.jar* in <principal-name/> tag.

<security-role-assignment> <role-name>FCDBEJBRole</role-name> <principal-name>%%username%%</principal-name> </security-role-assignment>

**By default, the username set in <principal-name/> is weblogic.

12.Appendix

After the successful installation of FCDB with the help of FCDB Installer, following folder structure will be created:

Folder Name	Comments
<fcdb base="" dir="">\documents</fcdb>	Folder containing all FCDB documents
<fcdb base="" dir="">\dbsetup</fcdb>	Folder containing scripts for FCDB Database setup
<fcdb base="" dir="">\system</fcdb>	Folder containing FCDB application & properties files
<fcdb base="" dir="">\system\build\kernel</fcdb>	Folder containing the application codebase in form of a jar called FCDB_kernel.jar.
<fcdb base="" dir="">\system\build\extclasses\jars</fcdb>	Folder containing all requisite third-party jars. Seperate folders will be created for all the third party jars. e.g. <fcdb base<br="">DIR>\system\build\extclasses\jars\fcr</fcdb>
<fcdb base="" dir="">\system\home</fcdb>	Folder containing all the configuration/properties files of the application.

<fcdb base="" dir="">\system\build\tools</fcdb>	Folder containing all the tools required to generate the GUI xsls, to encrypt/decrypt the property files and generation of password for db user.
<fcat.logfile.path>\logs</fcat.logfile.path>	Property FCAT.LOGFILE.PATH is configured to locate the folder for storing the log files of the server. e.g. D:\FCDBLogs.
	If this property is not set then logs are created at default location at <fcdb base="" dir="">\logs.</fcdb>

Deployment of application through *EJB mode* requires following jars:

Application Name	Deployable	JNDI	Path Location
EJBChannleController	EJBChannleController.jar	EJBChannelController	<fcdb base="" dir="">\deploy</fcdb>
ServiceEndPointRI	ServiceEndPointRI.jar	ServiceEndPointEJB	<fcdb base="" dir="">\deploy</fcdb>
TransactionBean	TransactionBean.jar	TransactionBean	<fcdb base="" dir="">\deploy</fcdb>
TimerBean	TimerBean.jar	TimerBean	<fcdb base="" dir="">\deploy</fcdb>

Deployment of the war file is mandatory for both modes (EJB\Webservice).

Deployable	Context	Path Location
F001.war	F001	<fcdb base="" dir="">\deploy</fcdb>
B001.war	B001	<fcdb base="" dir="">\deploy</fcdb>
SMS.war [SMS Banking]	SMS	<fcdb base="" dir="">\deploy</fcdb>
T001.war	T001	< FCDB BASE DIR>\deploy
V001.war	V001	< FCDB BASE DIR>\deploy
SMS.war	SMS	< FCDB BASE DIR>\deploy

Additional deployments when interaction with host is Message driven requires the following MDBs:

CloneQueueReceiverMDB.jar	CloneQueueReceiverMDB	Mandatory	<fcdb base<br="">DIR>\deploy</fcdb>
ClonedQueuResourceAdapter.rar	ClonedQueuResourceAdapter	Mandatory	<fcdb base<br="">DIR>\deploy</fcdb>

The following ears will be required for Bulk module setup.

Deployable	Context	Path Location
BULKEVENTHANDLEREJB.ear	BULKEVENTHANDLEREJB	<fcdb base<br="">DIR>\deploy\weblogic\bulk</fcdb>

The following archives should be downloaded on user mobile to enable J2ME Based Oracle FLEXCUBE Direct Banking Application.

Deployable	Context	Path Location
FCDBMidlet.jar		<fcdb base="" dir="">\deploy\mobile</fcdb>
FCDBMidlet.jad		<fcdb base="" dir="">\deploy\mobile</fcdb>

Configuration/Property Files

The layers presentation, channel & service in the system use the following property files:

Property File	Purpose
<identity>.xmI</identity>	Each web application deployed has its own property file named as <daemonname>.xml. The daemon name can be configured by property 'FCAT.INTERNETSERVLET.DAEMON.NAME' in web.xml. If no daemon name is specified, default name 'INTERNETSERVLET' is used. (internetservlet.xml). The daemon name can be B001 hence B001.xml.</daemonname>
fcat-config.xml	Configuration property used at the channel layer containing the db properties, invocation mode.This will be updated mainly when the invocation mode is Webservice (W).
fcat.properties	Configuration property used at the service layer containing the db properties, connection pool settings, path for logs and properties configured specific to any module installed.

Kindly refer to the sheet "Oracle_FLEXCUBE_Direct_Banking_Parameter_Sheet" under Module Name "Core" and Property Location for all the above files.

13.Tools

Before using the tools ensure that the Java home path is set.

Encryption and Decryption of property files in home folder.

Change the working folder to <FCDB BASE DIR>\system\build\tools. Pick up the following files for the respective platform and execute them at the command prompt:

File Name	OS
securepropertiesfiles.bat	Windows
securepropertiesfiles.sh	Linux

The tool operates in the interactive mode. The arguments will be provided on execution of the files.

To encrypt or decrypt a file the arguments prompted are :

<Encryption or Decryption mode(E/D)> <Path of the input property file> <Path of the output property file>

e.g. E D:\FCDB\system\home\fcat-config.xml D:\config

Once the file is encrypted set the system property "fcat.propfile.isencr" to "true".

Build the XSL templates to required language.

The templatized xsls will be picked up from the location

<FCDB BASE DIR>\system\datafiles\gui\<usertype>\<channel id>\template To generate the GUI xsls from the templatized xsls the following tools must be executed at the command prompt.

File Name	OS
xslbuild.bat	Windows
xslbuild.sh	Linux

The tool will execute in the interactive mode and prompt for the user type, channel id, language id and format. After execution the generated files will be stored in the location

<FCDB BASE DIR>\system\datafiles\gui\<usertype>\<channel id>\<language id>

Unlock & set password for user "SUPERADMIN"

To unlock the user created and set a user defined password for it, the following files must executed at the command prompt for the respective platform.

File Name	OS
resetadmin.bat	Windows
resetadmin.sh	Linux

These tools cannot be successfully used more than once

The tool would require weblogic.jar which is located in the following path on the application server

< ORACLE Base Folder>\<WLS home directory\server\lib