FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 12.4.0.0.0 [July] [2017]



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1. Weblogic JDBC GridLink Datasource

1.1 Preface

You need to carry out certain tasks manually before Oracle FLEXCUBE deployment. This document details out the pre-deployment tasks based on GridLink Datasource configuration in Weblogic Application Server.

1.2 Purpose

Purpose of this document is to give understanding and configuration of Weblogic GridLink Datasource for Oracle FLEXCUBE.

1.3 Weblogic Data-Grid Datasource Overview

In WebLogic Server 12c (12.1.2), JDBC GridLink includes Oracle Database 12c integration, having the latest functionalities of Application Continuity, Database Resident Connection Pool, Pluggable Database and Global Data Services.

The RAC integration capabilities of Universal Connection Pool (UCP) have been utilized by the WebLogic Server GridLink Data Source implementation to provide the Fast Connection Failover (FCF), Runtime Connection Load-Balancing (RCLB),

The active management of the connections in the pool is based on static settings configured on the connection pool itself (min/max capacity, timeouts, etc.) and real time information the connection pool receives from the RAC Oracle Notification Service (ONS) subsystem that advises the "client" of any state changes within the RAC cluster.

WebLogic GridLink Data Sources and JDBC connection pools leverage the load balancing functionality provided by an Oracle RAC database to provide better throughput and more efficient use of resources.

1.4 Introduction

FLEXCUBE is a financial application which needs fast connection failover on runtime to ensure zero downtime and proper disaster recovery.

FLEXCUBE will use GridLink data source for Fast Connection Failover and responds to Oracle RAC events using Oracle Notification Service (ONS). This ensures that the connection pool in the GridLink data source contains valid connections (including reserved connections) without the need to poll and test connections. It also ensures that connections are created on new nodes as they become available.

A GridLink data source uses Fast Connection Failover to:

- Provide rapid failure detection.
- Abort and remove invalid connections from the connection pool.
- Perform graceful shutdown for planned and unplanned Oracle RAC node outages. See Graceful Handling for Oracle RAC Outages.

- > Adapt to changes in topology, such as adding or removing a node.
- Distribute runtime work requests to all active Oracle RAC instances, including those rejoining a cluster.

WebLogic GridLink Data Sources and JDBC connection pools leverage the runtime load balancing functionality provided by an Oracle RAC database to provide better throughput and more efficient use by FLEXCUBE application.

Runtime connection load balancing provides the following benefits:

- > Manages pooled connections for high performance and scalability.
- Receives continuous recommendations on the percentage of work to route to database instances.
- Adjusts distribution of work based on different back-end node capacities such as CPU capacity or response time.
- Reacts quickly to changes in cluster reconfiguration, application workload, overworked nodes, or hangs.
- Receives metrics from the Oracle RAC Load Balance by ONS. Connections to well performing instances are used most often. New and unused connections to underperforming instances will gravitate away over time.

1.5 Database Related Configuration

1.5.1 ONS Setup

Make Sure ONS service is running in each of the database servers by issuing the below command.(To be run from GRID home)

ONS Status Check:

\$ORACLE_HOME/opmn/bin/onsctl ping ons is not running ...

Starting ONS:

\$ORACLE_HOME/opmn/bin/onsctl start onsctl start: ons started \$ORACLE_HOME/opmn/bin/onsctl ping ons is running ...

By default ONS runs on port 6200.

1.5.2 Database Service Modification and Monitoring

For the database service that we use in the Datasource which makes use of Active Grid Link, goal needs to be defined which defaults to none.

The below sql block needs to be run in the database where the service is created.

```
BEGIN
DBMS_SERVICE.MODIFY_SERVICE ( service_name => 'psrcbt'
, aq_ha_notifications => true
, goal => DBMS_SERVICE.GOAL_THROUGHPUT
, clb_goal => DBMS_SERVICE.CLB_GOAL_SHORT
);
END;
```

Also we can monitor the metric generation for our service via v\$servicemetric

1.6 Configuring GridLink Datasource

1.6.1 Non-XA Gridlink Datasource

1) Navigate to Domain → Services → Data Sources → select New > GridLink data source

ORACLE WebLogic Server Ad	ministration Console 12c					õ
Change Center	🏠 Home Log Out Preferences 🔤 Record	Help	Q		Welcome, weblogi	c Connected to: bifoundation_domai
View changes and restarts	Home >Summary of JDBC Data Sources					
No pending changes exist. Click the Release	Summary of JDBC Data Sources					
Configuration button to allow others to edit the domain.	Configuration Monitoring					
Lock & Edit						
Release Configuration	A JDBC data source is an object bound to th database connection from a data source.	e JNDI tree that	provides database connectivity through a pool of JDE	IC connections. Applications can look up	a data source on the	JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC data source	objects that hav	ve been created in this domain.			
bifoundation_domain						
Domain Partitions	Customize this table					
Deployments Services	Data Sources (Filtered - More Columns	Exist)				
Hessaging	New V Delete					Showing 1 to 7 of 7 Previous Next
Persistent Stores	Generic Data Source	Tumo	INDI Name	Taxaata	Econo	Domain Partitions
····Foreign JNDI Providers	GridLink Data Source	Type	JADI Name	Targets	Scope	
Work Contexts	Multi Data Source	Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
XML Registries	Proxy Data Source urce	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
јсом	UCP Data Source	Generic	jdbc/mds/owsm	AdminServer, bi_cluster	Global	
E-Mail Sessions	opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, bi_cluster	Global	
How do I 😑	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, bi_cluster	Global	
Create JDBC generic data sources	opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bi_cluster	Global	
Create JDBC GridLink data sources	wisservices datasource	Generic	idbc/WLSServicesDatasource	bi cluster	Global	
Create JDBC multi data sources		Cheving 1 to 7 of 7 Devices Next				
Create UCP data sources	Denote					Showing 1 to 7 or 7 Previous Next

2) Enter the **Name**, **JNDI Name**. Choose Database Driver as Oracle's Driver (Thin) for GridLink Connection. Click on **Next**

Release Configuration	JDBC GridLink Data Source Properties The following properties will be used to identify your new JDBC GridLink data source.
Domain Structure	* Indicates required fields
bifoundation_domain	What would you like to name your new JDBC GridLink data source?
	ø∰ * Name: jdbc/fcjdøvDS
Data Sources Persistent Stores	What scope do you want to create your data source in ?
Work Contexts	Scope: Global V When WD1 areas word you like to arrive to your new 100° Coldied data zourse?
XML Entity Caches jCOM Mail Sessions	
How do I 😑	
Create JDBC GridLink data sources	
System Status 🖂	
Health of Running Servers	What database type would you like to select?
Failed (0) Critical (0)	Database Type: Orade
Overloaded (0) Warning (0)	What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.
OK (2)	Database Driver: *Oracle's Driver (Thin) for GridLink Connections; Versions: Any
	Back Next Finish Cancel

3) Uncheck the "Supports Global Transactions" and click on Next

	ministration Console 12c	2			
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	in			
View changes and restarts	Home >Summary of JDBC Data Sources	_			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Back Ifentil Eanel Transaction Options You have selected non-XA JDBC driver to create database connection in your new data source.				
Domain Structure	Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.				
bifoundation_domain	Supports Global Transactions				
Deployments Services H-Messaging Data Sources	Select this option if you want to enable non-VA JDBC connections from the data source to participate in global transactions using the <i>Logging Last Resource</i> (LIR) transaction optimization. Recommended in place of Emulate Two-Phase Commit.				
Persistent Stores Foreign JNDI Providers Work Contexts XML Registries XML Entity Caches JGOM	Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your application can tolerate heuristic conditions.				
How do I	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. With this option, no other resources can participate in the global transaction.				
Create JDBC GridLink data sources	One-Phase Commit				
System Status	Back, Next Finish Cancel				
Health of Running Servers		-			
Failed (0) Critical (0)					

4) Select first option "Enter individual listener information" and click Next

ORACLE" WebLogic Server Administration Console 12c						
Change Center	🔒 Home Lag Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_domain				
View changes and restarts	Home >Summary of JDBC Data Sources					
No pending changes exist. Click the Release	Create a New JDBC GridLink Data Source					
the domain.	Back Next Finish Cancel					
Lock & Edit Release Configuration	GridLink data source connection Properties Options					
Domain Structure	You can either enter the complete JUBC UKL or enter individual nost and port pair and let the assistant generate the JUBC UKL.					
bifoundation_domain	Enter individual listener information					
Domain Partitions Finite Partitions	Enter complete JDBC URL					
	Back Next Finish Cancel					
Persistent Stores						
Foreign JNDI Providers						
XML Registries						
How do I						

5) Enter the Database Name, Host Name, Port, User Name, Password, Confirm Password and Click on **Next**

	Define Connection Properties.	
Domain Structure	What is the service name of the database you would lik	e to connect to?
bifoundation_domain	mat is the service name of the database you notice in	
Domain Partitions	Service Name:	
- Environment		
Deployments	Enter best and part of each listener converted by color	and slick the add butters. To the same of a DAC DB listence, specify the CCAN address
-Services	Enter nost and port of each insteller separated by colon	and circle and button, in the case of a NAC DB insteller, specify the SCAN address.
- Messaging	Host and Port:	
Data Sources	nost und r orti	bbA
Englige 1NDI Providers		
Work Contexts		A
XMI Registries		
XML Entity Caches		Remove
јСОМ		
Mail Sessions		v
How do I		
	What database account user name do you want to use t	o create database connections?
Create JDBC GridLink data sources		
	Database User Name:	
System Status 😑		
Health of Running Servers	What is the database account password to use to create	database connections?
Failed (0)	Password	
Critical (0)	1 district di	
Overloaded (0)		
Warning (0)	Confirm Password:	
OK (2)		
	Additional Connection Properties:	
	- · ·	
	Protocol:	TCP
	oracle.jdbc.DRCPConnectionClass:	
	Part New Cont	
	Back Next Finish Cancel	

6) Click "Test All Listners" and check the connection is established properly with the database and Click **Next**

Change Center	📖 Home Log Out Preferences 📩 Record	a neip	weicome, webiogic connected to: biloundation_dom	аш
View changes and restarts	Home >Summary of JDBC Data Sources			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages Connection test for jdbc:oracle:thin:@(DE succeeded.	DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PR	OTOCOL=TCP)(HOST=blrgrr6117.in.orade.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))	
Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source	e Intel I Canal		
Domain Structure	TOST AL LISTORIOIS	Galicei		
ifoundation_domain ▲ I ^{III-} Domain Partitions I ^{III-} Environment I ^{III-} Deployments	Test GridLink Database Connection Test the database availability and the connec What is the full package name of JDBC driver	nection properties you provided. er class used to create database connections in t	the connection pool?	
	(Note that this driver class must be in the clas	asspath of any server to which it is deployed.)		
	Driver Class Name: What is the URL of the database to connect to URL: Jobc:oracle:thin:@(DESCRIPTION JODDESC_IST-(DDDESC_CODDESC)	oracle.jdbc.OracleDrw to? The format of the URL varies by JDBC driver.		
How do I 🖃 • Create JDBC GridLink data sources	(HOST=5121)(CONNECT_DATA= (SERVICE_NAME=FCUBS11G)))	v		
System Status 🖂	Click the test button to test each listener.			1
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCRIPT	PTION=(ADDRESS_LIST=(ADDRESS=(PROTOCO	L=TCP)(HOST=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))	
Failed (0) Critical (0)	What database account user name do you war	ant to use to create database connections?		
Warning (0)	Database User Name:	FCUBSNBESUP		-
OK (2)	What is the database account password to use	use to create database connections?		

7) Enter the ONS host:port details which has already been configured in database

re perioning changes exists. Linck the Referese Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Finish Cancel ONS Client Configuration Define OIIS Client Configuration Context				
Domain Structure	Check to enable the data source to subscribe to and process Oracle FAN events				
bifoundation_domain Promotions Pr					
Deployments	Enter host and port of each ONS node separated by colon and click the add button.				
Services Hereaging Hereaging Horat Sources Percitater Stores Foreign JNDI Providers Work Controls Walk Entity Caches	ONS host and port: mc13dbzg1-zone-1-mc13-n1-6200 mc13dbzg1-zone-1-mc13-n2-6200				
How do I	The location of the Oracle wallet file in which the SSL certificates are stored.				
Create JDBC GridLink data sources	ONS Wallet File Directory:				
System Status	The wallet become attribute that is included as nart of the ONS client configuration string. This attribute is only required when ONS is configured to use the SSL protocol				
Health of Running Servers	the mance passifier automate that is included as part or the one one of the companying that automate is one required methods is companyed to are the sage protocol.				
Failed (0) Critical (0)	ONS Wallet Password:				
Overloaded (0) Warning (0)	Confirm ONS Wallet Password:				
OK (2)	Back Next Finish Cancel				

8) Click "Test ONS Nodes" to check the connection with ONS.

Change Center	🕜 Home Log Out Preferences 🔛 Record Help	Welcome, weblogic Connected to: bifoundation_doma			
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Connection test for mc13dbzg1-zone-1-mc13-n1:6200 succeeded.				
Lock & Edit	Create a New JDBC GridLink Data Source				
Release Configuration	Test All ONS Nodes Back Next Cancel				
Domain Structure	Test ONS client configuration				
bifoundation_domain	Test the ONS client configuration properties you provided				
Environment Deployments	Check to enable the data source to subscribe to and process Oracle FAN events				
Services Messaging	✓ FAN Enabled				
Data Sources Persistent Stores Foreign JNDI Providers	Enter host and port of each ONS node separated by colon and click the add button. ONS host and port:				
Work Contexts XML Registries XML Entity Caches JCOM Mail Sessions	mcl3dbzgl-zone-1-mcl3- n1:6200,mcl3dbzgl-zone-1-mcl3-n2:6200				
How do I					
Create JDBC GridLink data sources	Click the test button to test ONS node.				
System Status	Test ONS Node mc13dbzg1-zone-1-mc13-n1:6200				
Health of Running Servers	The location of the Oracle wallet file in which the CCL cartificates are stored				
Failed (0) Critical (0)	ONS Wallet File Directory:				
Warning (0) OK (2)	The wallet password attribute that is included as part of the ONS client configuration string. This attribute is only required when ONS is	s configured to use the SSL protocol.			

9) Select Target and click on Finish

	Administration Console 12c	Q
Change Center View changes and restarts	Home Log Out Preferences Record Help Welco Home -Summary of JDBC Data Sources	me, weblogic Connected to: bifoundation_domain
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Back Next Finish Cancel 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 n	reed to deploy the data source at a later time.
Domain Structure bifoundaton, domain • Conain Partitions • Environment • Deployments • Deployments • Persident Stores • Persident Stores • Persident Stores • Persident Stores • Work Contexts • VXB. Registres	Servers AdminServer Clasters bi_claster Al servers in the claster Part of the claster bi_server1	
MAIL Entity Carnes "COM "Mail Sections CM Create JDBC GridLink data sources	Back, Next Finish Cancel	
System Status		

1.6.2 XA Gridlink Datasource

1) Navigate to Domain \rightarrow Services \rightarrow Data Sources \rightarrow select New > GridLink data source

ORACLE WebLogic Server Adr	ninistration Console 12c					õ
Change Center	Home Log Out Preferences	Record Help	Q		Welcome, weblogic	Connected to: bifoundation_domain
View changes and restarts	Home >Summary of JDBC Data S	Sources				
No pending changes exist. Click the Release	Summary of JDBC Data Sources	s				
the domain.	Configuration Monitoring					
Lock & Edit Release Configuration	A JDBC data source is an object database connection from a data	bound to the JNDI tree that pr a source.	rovides database connectivity through a po	ol of JDBC connections. Applications can look	up a data source on the J	JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC	data source objects that have	been created in this domain.			
Doroungation_gomain A Domain Partitions Environment	Customize this table					
Deployments	Data Sources (Filtered - More Columns Exist)					
-Messaging	New y Delete					Showing 1 to 7 of 7 Previous Next
···Data Sources	Generic Data Source					Shoring 2 to 7 or 7 Frendus ; Heit
Persistent Stores Foreign JNDI Providers	GridLink Data Source	Туре	JNDI Name	Targets	Scope I	Domain Partitions
·Work Contexts	Multi Data Source	Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
XML Registries	Proxy Data Source urce	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
јСОМ	UCP Data Source	Generic	jdbc/mds/owsm	AdminServer, bi_cluster	Global	
1 2Mail Sessions	opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, bi_cluster	Global	
How do I	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, bi_cluster	Global	
Create JDBC generic data sources	opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bi_cluster	Global	
Create JDBC GridLink data sources	wisservices_datasource	Generic	jdbc/WLSServicesDatasource	bi_cluster	Global	
Create JDBC multi data sources Create UCP data sources	New v Delete		1		I	Showing 1 to 7 of 7 Previous Next

2) Enter the **Name**, **JNDI Name**. Choose Database Driver as Oracle's Driver (XA Thin) for GridLink Connection. Click on **Next**

	The following properties will be used to identify your new JDBC GridLink data source.
Domain Structure	* Indicates required fields
bifoundation_domain Demain Partitions Demain Partitions Demonst	What would you like to name your new JDBC GridLink data source?
B→Services B→Hessaging →Data Sources →Persistent Stores →Foreign JNDI Providers →With Registries →MAL Entity Caches →JCOM →Hall Sessions	What scope do you want to create your data source in ? Scope: Global ▼ What JNDI name: Global T JMDI Name: Global T
How do I Create JDBC GridLink data sources System Status	
Health of Running Servers	What database type would you like to select?
Failed (0) Critical (0) Overloaded (0) Warning (0) OF. (2)	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 GridLink Connections Versions: Any Back Next

3) Click Next

ORACLE WebLogic Server Ad	Iministration Console 12c	Q		
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_domain		
View changes and restarts	Home >Summary of JDBC Data Sources			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration Domain Structure	Create a New JDBC GridLink Data Source Back Need Finant Cancel Transaction Options You have selected an AJ DBC 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.			
bifoundation_domain Domain Partitions Denvironment Denvironm	Back Next Frinh Cance			

4) Choose first option "Enter individual listener information" and Click Next

	Iministration Console 12c	Q
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: bifoundation_domain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release	Create a New JDBC GridLink Data Source	
Configuration button to allow others to edit the domain.	Back Next Finish Cancel	
Release Configuration	GridLink data source connection Properties Options You can either enter the complete IDPC LIDL or enter individual best and not nair and let the assistant generate the IDPC LIDL	
Domain Structure	Enter individual listener information	
Domain Partitions Environment	Enter complete JDBC URL	
Deployments Services	Back Next Finish Cancel	
Data Sources		
Persistent Stores Foreign JNDI Providers		

5) Enter the Database Name, Host Name, Port, User Name, Password, Confirm Password and Click on **Next**

	Define Connection Properties.	
Domain Structure	What is the service name of the database you would like	to connect to?
bifoundation_domain	Service Name:	
Services Messaging	Enter host and port of each listener separated by colon a	nd click the add button. In the case of a RAC DB listener, specify the SCAN address.
Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	Host and Port:	Add
XML Registries XML Entity Caches jCOM Mail Sessions		Remove
How do I		
Create JDBC GridLink data sources	What database account user name do you want to use to create database connections?	
System Status	Database User Name:	
Health of Running Servers	What is the database account password to use to create	database connections?
Failed (0) Critical (0)	Password:	
Overloaded (0) Warning (0) OK (2)	Confirm Password:	
	Additional Connection Properties:	
	Protocol:	ТСР
	oracle.jdbc.DRCPConnectionClass:	
	Back Next Finish Cancel	

6) Click "Test All Listners" and check the connection is established properly with the database and Click **Next**

Change Center	un nome Log Out Preferences in Record	neip	4	weicome, webiogic connected to: biloundation_domail	
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	 Connection test for jdbc:oracle:thin:@(D succeeded. 	ESCRIPTION=((ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP	(HOST=blrgxf6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))	
Lock & Edit	Create a New JDBC GridLink Data Source				
Release Configuration	Test All Listeners Back Next Finis	h Cancel			
Domain Structure		-			
offoundation_domain	Test GridLink Database Connection	Test GridLink Database Connection			
Domain Partitions	Test the database availability and the conne	Test the database availability and the connection properties you provided.			
Environment	What is the full nackage name of 1DBC drive	What is the full and see name of TBBC driver does used to create database connections in the connection and 1			
- Services	This is the full proving minit of 2000 after output to create automate connections in the connection p001?				
+ Messaging	(Note that this driver class must be in the cla	(Note that this driver class must be in the classpath of any server to which it is deployed.)			
Data Sources					
Persistent Stores	Driver Class Name:		oracle.jdbc.OracleDriver		
Foreign JNDI Providers					
	What is the URL of the database to connect t	o? The format	of the URL varies by JDBC driver.		
-XML Entity Caches	URL-				
јСОМ	idbc:oracle:thin:@(DESCRIPTIO	d=	*		
Mail Sessions	(ADDRESS LIST=(ADDRESS=(PROTO	OL=TCP)			
How do I	(HOST=blrgxr6117.in.oracle.com	a)			
	(PORT=1521)))(CONNECT_DATA=				
 Create JDBC GridLink data sources 	(SERVICE_NAME=FCUBS11G)))				
System Status 🖂	Click the test button to test each listener.				
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCRIP	TION=(ADDRES	SS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST	=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))	
Failed (0)	What database account user name do you want to use to create database connections?				
Critical (0)					
Overloaded (0) Warning (0)	Database User Name:		FCUBSNBESUP]	
OK (2)	What is the database account password to us	What is the database account password to use to create database connections?			

7) Enter the ONS host:port details which has already been configured in database

no penuing charges exist. Circl the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Itemsh Cancel ONS Client Configuration Define ONS Client Configuration			
Domain Structure	Check to earble the data serves to subscribe to and process Condo EAN weats			
bifoundation_domain				
Deployments	Enter host and port of each ONS node separated by colon and click the add button.			
H-Messaging - Data Sources - Persistent Stores	ONS host and port:			
Foreign JNDI Providers	mc13dbzg1-zone-1-mc13-n1-6200 mc13dbzg1-zone-1-mc13-n2-6200			
How do I 😑				
Create JDBC GridLink data sources	The location of the Oracle wallet file in which the SSL certificates are stored. ONS Wallet File Directory:			
System Status				
Health of Running Servers	The wallet password attribute that is included as part of the ONS client configuration string. This attribute is only required when ONS is configured to use the SSL protocol.			
Failed (0) Critical (0)	ONS Wallet Password:			
Overloaded (0) Warning (0)	Confirm ONS Wallet Password:			
UK (2)	Back Next Finish Cancel			

8) Click "Test ONS Nodes" to check the connection with ONS.

Weblogic Server Au	ministration console 120				
Change Center	😰 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_doma			
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	₩essages				
Lock & Edit	Create a New JDBC GridLink Data Source				
Release Configuration	Test All ONS Nodes Back Next Finish Cancel				
Domain Structure	Test ONS client configuration				
bifoundation_domain	Test the ONS client configuration properties you provided				
Environment	Check to enable the data source to subscribe to and process Oracle FAN events				
Services These aning					
- Data Sources - Persistent Stores	Enter host and port of each ONS node separated by colon and click the add button.				
Work Contexts XML Registries XML Entity Caches jCOM Mail Sessions	mc13dbzg1-rone-1-mc13- n1:6200,mc13dbzg1-rone-1-mc13-n2:6200				
How do I					
Create JDBC GridLink data sources	Click the test button to test ONS node.				
	Test ONS Node mc13dbzg1-zone-1-mc13-n1:6200				
System Status	Test ONS Node mc13dbzg1-zone-1-mc13-n2:6200				
Health of Running Servers	The location of the Oracle wallet file in which the SSL certificates are stored.				
Failed (0) Critical (0) Overloaded (0)	ONS Wallet File Directory:				
Warning (0) OK (2)	The wallet password attribute that is included as part of the ONS client configuration string. This attribute is only required when ONS i	is configured to use the SSL protocol.			

9) Select Target and click on Finish

	dministration Console 12c	Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_domain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Back Next Fmish Cancel Sclect 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.
Domain Structure bifoundation_domain Domain Partitions Frequences	Servers Ø AdminServer	
Defloyments Defloyments Defloyments Defloyments Defloyment Detloyment Detloyment	Clusters Link Cluster All servers in the cluster Part of the cluster Back Next Finish Cancel Cancel	
How do I Create JDBC GridLink data sources System Status		



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