FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 14.7.1.0.0 Part No. F77194-01 [May] [2023]

FINANCIAL SERVICES

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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 \rightarrow Services \rightarrow Data Sources \rightarrow select New > GridLink data source

ORACLE WebLogic Server Ad	ministration Console 12c					Q
Change Center	🔒 Home Log Out Preferences 🔤 Recon	d Help	Q		Welcome, weblo	gic Connected to: bifoundation_domai
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.	Summary of JDBC Data Sources					
Lock & Edit Release Configuration					e JNDI tree and then borrow a	
Domain Structure	This page summarizes the JDBC data sour	ce objects that hav	e been created in this domain.			
bifoundation_domain ▲ ⊕"Domain Partitions ⊕"Environment ""Deployments ⊕"Services ⊕"Messaging ↓"Data Sources	Customize this table Data Sources (Filtered - More Column New Delete	is Exist)				Showing 1 to 7 of 7 Previous Next
Persistent Stores	Generic Data Source	Туре	JNDI Name	Targets	Scope	Domain Partitions
Work Contexts	Multi Data Source	Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
XML Registries XML Entity Caches	Proxy Data Source	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	jdbc/WL55ervicesDatasource	bi_cluster	Global	
Create JDBC multi data sources Create UCP data sources	New~ Delete					Showing 1 to 7 of 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 Domain Partitions Defension	What would you like to name your new JDBC GridUnk data source?				
Deployments	d∰ *Name: jdbc/fcjdevDS				
Messaging Data Sources Persistent Stores	What scope do you want to create your data source in ?				
Foreign JNDI Providers Work Contexts	Scope: Global V				
XML Registries XML Entity Caches	What JNDI name would you like to assign to your new JDBC GridLink data source?				
jCOMMail Sessions ▼	∦ JNDI Name: jdbc/fcjdevDS				
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)	Database Type: Orade				
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				
	Barki Navi Einini Cancal				

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

ORACLE WebLogic Server Administration Console 12c					
Change Center	🏦 Home Log Out Preferences 🔤 Record Help				
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 Frink Cancel Transaction Options				
	You have selected non-XA JDBC driver to create database connection in your new data source.				
Domain Structure b/Conadion_domain Φ)-Domain Partitions Φ)-Depoyments Φ)-Services Φ)-Rescaging Totals Sources →Persistent Stores →Porsistent Stores →Work Contexts →Work Contexts →Work Contexts →Work Entity Caches →JOL Payloris	Does this data source support global transactions? If yes, please choose the transaction protocol for this data source. Supports Global Transactions Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the Logging Last Resource (LLR) transaction optimization. Recommended in place of Conging Last Resource Select this option 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. Multicat Two-Phase Commit				
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 System Status	One-Phase Commit Back, Next Frink 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 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	Create a New JDBC GridLink Data Source				
the domain.	Back Next Finish Cancel				
Lock & Edit Release Configuration	GridLink data source connection Properties Options				
Release Configuration	You can either enter the complete JDBC URL or enter individual host and port pair and let the assistant generate the JDBC URL.				
Domain Structure bifoundation domain	Enter individual listener information				
Domain Partitions Environment	Enter complete JDBC URL				
Deployments Services	Back Next Finish Cancel				
Messaging Data Sources					
····Persistent Stores					
Foreign JNDI Providers					
····XML Registries					
XML Entity Caches					
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 like to connect to?			
bifoundation_domain	Service Name:			
Topployments Services B-Tessaging Hotas Sources Porsistent Stores Work Contexts Work Context Work Context Work Context	Enter host and port of each listener separated by colon a	Add		
How do I 😑	What database account user name do you want to use to	s crasta databara connactione?		
Create JDBC GridLink data sources		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:			
01(2)	Additional Connection Properties:			
	Protocol:	TCP		
	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 Reco	u neip	X		weicome, webiogic c	onnected to: biloundation_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.	Messages Connection test for jdbc:oracle:thin:@ succeeded.	(DESCRIPTION=(ADDRES	S_LIST=(ADDRESS=(PROTOCOL=T	CP)(HOST=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERV	/ICE_NAME=FCUBS11G)))
Lock & Edit	Create a New JDBC GridLink Data Sour	ce				
Release Configuration	Test All Listeners Back Next Fin	nish Cancel				
Domain Structure	Test GridLink Database Connection					
bifoundation_domain	Test the database availability and the co	inection properties you pr	ovided.			
Deployments	What is the full package name of JDBC driv	er class used to create da	atabase connections in the connecti	on pool?		
D-Services ⊡-Messaging Data Sources	(Note that this driver class must be in the	lasspath of any server to:	which it is deployed.)			
Persistent Stores Foreign JNDI Providers	Driver Class Name:		oracle.jdbc.OracleDriver			
Yoreign JNUL Providers 	What is the URL of the database to connec URL: idbc:oracle:thin:@(DESCRIPT]		RL varies by JDBC driver.			
i i→Mail Sessions How do I Create JDBC GridLink data sources	(ADDRESS_LIST=(ADDRESS=(PROT (HOST=blrgxr6117.in.oracle.c (PORT=1521)))(CONNECT_DATA= (SERVICE_NAME=FCUB511G)))	OCOL=TCP)				
System Status	Click the test button to test each listener.					
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCR	IPTION=(ADDRESS_LIST=	(ADDRESS=(PROTOCOL=TCP)(HO	T=blrgxr6117.in.oracle.com)(PORT=1521)))(CONN	ECT_DATA=(SERVICE_NA	ME=FCUBS11G)))
Failed (0) Critical (0) Overloaded (0) Warning (0)	What database account user name do you Database User Name:	want to use to create data	abase connections? FCUBSNBESUP			
OK (2)	What is the database account password to	use to create database cr	onnections?			



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

re persong charges exists circle are ease configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Finish Cancel ONS Clent Configuration Define OIS Client Configuration					
Domain Structure	m Structure Check to enable the data source to subscribe to and process Oracle FAN events					
bifoundation_domain Domain Partitions D-Environment	domain					
DeploymentsServices	Enter host and port of each ONS node separated by colo	on and click the add button.				
Services B-Messaging Data Sources Persistent Stores	ONS host and port:	[Add]				
Foreign Stores Foreign StOLP Providers Work Contexts Work Contexts With Registries WAL Entity Caches COM M Mail Sessions		mc13dbzg1-zone-1-mc13-n1:6200 * Remove				
How do I 📼						
Create JDBC GridLink data sources	The location of the Oracle wallet file in which the SSL of	ertificates are stored.				
	ONS Wallet File Directory:					
System Status 😑						
Health of Running Servers	The wallet password attribute that is included as part of	f 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:					
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				
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 mc13dbzg1-zone-1-mc13-n1;6200 succeeded.				
Lock & Edit	Create a New JDBC GridLink Data Source				
Release Configuration	Test ALONS Nodes Back Next Finish Cancel				
Domain Structure	Test ONS client configuration				
bifoundation_domain	Test the ONS client configuration properties you provided				
Environment Deployments Services	Check to enable the data source to subscribe to and process Oracle FAN events				
Britessaging — Data Sources — Persistent Stores — Persistent Stores — Work Contexts —	Enter host and port of each ONS node separated by colon and click the add button. ONS host and port: mc13dbzg1-zone-1-mc13-n2:6200 mc13dbzg1-zone-1-mc13-n2:6200				
How do I 🗉					
Create JDBC GridLink data sources System Status	Click the test button to test ONS node. Test ONS Node mc13dbsg1-cone-1-mc13-m1:6200 Test ONS Node mc13dbsg1-cone-1-mc13-m2:6200				
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 is configured to use the SSL protocol.				



9) Select Target and click on Finish

Change Center Welcome, weblogic Connected to: bifoundation_domain View changes and restarts No pending change exist. Click the Felesse Connected to: bifoundation_domain Configuration to allow others to edit the domain. Lock & Edit Center Second Center Domain Structure Biffundation_domain Center Second Center Second Center Diffundation_domain Second Center Second Second Center Second Second		ORACLE WebLogic Server Administration Console 12c					
Rebase Configuration Select Targets Domain Structure bifoundation, domain Bifoundation, domain Consume Partitions Commain Structure Servers Deformant Partitions Adminiserver Clusters Is cluster Deformerst Discurses Persistert Stores Discurses -Presistert Stores Discurses -Presistert Stores Discurses -Presistert Stores Discurses -Structure	Change Center <u>View Changes and restarts</u> No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Home Log Out Preferences Record Help Amore >Summary of JOBC Data Sources Create a New JOBC GridLink Data Source					
Deal Partitions Image: Administration (Jointain Control of the Cluster) Deployments Deployments B: Messaging Data Sources - Parisitent Stores - Foreign JNDI Providers - Work Cottexts - Work Cottexts - Work Cottexts - Work Cottexts	Release Configuration	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 i	not deployed. You will need to deploy the data source at a later time.				
1 Tr XML Entity Caches	Domain Partitions Environment Deployments Derives The sequence of the se	Custers bi cluster Gall servers in the cluster Gall servers in the cluster					
indications v How do L. • • Create JDDC GridUnk data sources •	How do I Create JDBC GridLink data sources						

1.6.2 XA Gridlink Datasource

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

ORACLE WebLogic Server Administration Console 12c					Õ	
Change Center	🔒 Home Log Out Preferences 🖂 Record	i Help	Q		Welcome, weblo	gic 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	Summary of JDBC Data Sources					
the domain. Lock & Edit Release Configuration	Configuration Monitoring A JDBC data source is an object bound to 1 database connection from a data source.	he JNDI tree that	provides database connectivity through a pool of 3	DBC connections. Applications can look u	p a data source on th	e JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC data source.	ce objects that hav	ve been created in this domain.			
bifoundation_domain ▲ ⊕ Domain Partitions ⊕ Environment ➡ Deployments ⊕ Services ⊕ Hessaging	Customize this table Data Sources (Filtered - More Column New > Delete	s Exist)				Showing 1 to 7 of 7 Previous Next
Data Sources Persistent Stores Foreign JNDI Providers	Generic Data Source	Туре	JNDI Name	Targets	Scope	Domain Partitions
Work Contexts	Multi Data Source urce	Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
XML Registries XML Entity Caches	Proxy Data Source urce	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
јСОМ	UCP Data Source	Generic	jdbc/mds/owsm	AdminServer, bi_cluster	Global	
: P-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	jdbc/WLSServicesDatasource	bi_cluster	Global	
Create JOBC multi data sources Create UCP data sources New Delete					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**

Domain Structure	The following properties will be used to identify your new JDBC GridLink data source. * Indicates required fields
bifoundation_domain	What would you like to name your new JDBC GridUnk data source?
Deployments Services	/ mame: jdbc/fcjSchedulerDS
- Messaging Data Sources Persistent Stores	What scope do you want to create your data source in ?
Foreign JNDI Providers Work Contexts	Scope: Global V
XML Registries XML Entity Caches 	What JNDI name would you like to assign to your new JDBC GridLink data source?
Mail Sessions	JNDI Name: idts/fciSchedulerDS
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)	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.
OK (2)	Database Driver: *Oracle's Driver (Thin XA) for GridLink Connections Versions: Any
	Back Next Finish Gancel

3) Click Next

ORACLE' WebLogic Server Administration Console 12c						
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.	Create a New JDBC GridLink Data Source					
	Back Next Finish Cancel					
Release Configuration	Transaction Options					
Domain Structure	You have selected an XA JDBC driver to use to create database connection in your new data source. The data source will support global No other transaction configuration options are available.	transactions and use the 'Two-Phase Commit' global transaction protocol.				
bornain scructure bifoundation, domain ⊕ Domain Partitions ⊕ Environment ↓ "Deployments ⊕ Services	Back Next Finith Cancel					

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 Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Back Next Finith Cancel GridLink data source connection Properties Options You can either enter the complete JDBC URL or enter individual host and port pair and let the assistant generate the JDBC URL	
Domain Structure bifoundation_domain ⊕ Domain Partitions ⊕ Environment □ Deployments ⊕ Services ⊕ Threesaring	Enter individual listener information Enter complete JDBC URL Back Next Finish Cancel	



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			
Domain Partitions Environment	Service Name:		
Deployments			
E-Services	Enter host and port of each listener separated by col	lon and click the add button. In the case of a RAC DB listener, specify the SCAN address.	
Messaging Data Sources	Host and Port:	Add	
Persistent Stores		200	
Foreign JNDI Providers			
Work Contexts XML Registries			
XML Entity Caches		Remove	
јСОМ	_	-	
How do I	I		
Create JDBC GridLink data sources	C Gridlink 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 cre	eate database connections?	
Failed (0)	Password:		
Critical (0)			
Overloaded (0)	Confirm Password:		
Warning (0) OK (2)		I	
UK (2)	Additional Connection Properties:		
	Protocol:		
		TCP	
	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	nome Log Out Preferences 🔤 Record	a neip	4	welcome, weblogic connected to: bioundation_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	Messages Connection test for jdbc:oracle:thin:@() succeeded. Create a New JDBC GridLink Data Source		ESS_LIST=(ADDRESS=(PROTOCOL=TCP)	(HOST=blrgw6117.in.orade.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))
	Test All Listeners Back Next Finis	Cancel		
Domain Structure	Test GridLink Database Connection			
>ifoundation_domain ▲ IDomain Partitions IDOmain Partitions	Test the database availability and the con	nection properties you p	provided.	
Deployments	What is the full package name of JDBC driver class used to create database connections in the connection pool?			
-Services -Messaging -Data Sources	(Note that this driver class must be in the class	asspath of any server t	to which it is deployed.)	
Persistent Stores	Driver Class Name:		oracle.jdbc.OracleDriver	
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity CachesXML Entity Caches	What is the URL of the database to connect	to? The format of the l	URL varies by JDBC driver.	
	jdbc:oracle:thin:@(DESCRIPTIC			
How do I Create JDBC GridLink data sources	(ADDRESS_LIST=(ADDRESS=(PROTC (HOST=blrgxr6117.in.oracle.cc (PORT=1521)))(CONNECT_DATA= (SERVICE_NAME=FCUBS116)))			
System Status 🖂	Click the test button to test each listener.			
Health of Running Servers	Test Listener idbc:oracle:thin:@/DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=blrowf617/in.oracle.com/PORT=1521))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))			
Failed (0) Critical (0)	What database account user name do you w	vant to use to create da		
Overloaded (0) Warning (0)	Database User Name:		FCUBSNBESUP	
OK (2)	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

red perioding charges exist. Linck the referease Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Finish Cancel ONS Client Configuration Define ONS Client Configuration				
Domain Structure	Check to enable the data source to subscribe to and process	Dracle FAN events			
bifoundation_domain	circle to circuite the data source to subscribe to and process				
Domain Partitions Environment	♂ FAN Enabled				
Deployments	Enter host and port of each ONS node separated by colon and click the add button.				
Messaging Data Sources	ONS host and port:	La contra c	bb		
		mc13dbzg1-zone-1-mc13-n1:6200 mc13dbzg1-zone-1-mc13-n2:6200 Re	move		
How do I	The location of the Oracle wallet file in which the SSL certific	ates are stored.			
Create JDBC GridLink data sources					
	ONS Wallet File Directory:				
System Status					
Health of Running Servers	The wallet password attribute that is included as part of the	DNS client configuration string. This attribute is only requ	ired when ONS is configured to use the SSL protocol.		
Failed (0) Critical (0)	ONS Wallet Password:				
Overloaded (0) Warning (0)	Confirm ONS Wallet Password:				
ОК (2)	Back Next Finish Cancel				

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

Weblogic Server Au		\sim
Change Center	🕜 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_doma
View changes and restarts	Home >Summary of JDBC Data Sources Messages	
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 Finish 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	
- ServicesMessaging		
Data Sources Persistent Stores	Enter host and port of each ONS node separated by colon and click the add button.	
···Foreign JNDI Providers	ONS host and port:	
Work Contexts XML Registries XML Entity Caches GOM	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.	
	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) Current of (0)	ONS Wallet File Directory:	
Overloaded (0) 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	
Change Center	🏠 Home Log Out Preferences 🖂 Record Help	'n
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit	Create a New JDBC GridLink Data Source	ł
the domain.	Back Next Finish Cancel	l
Lock & Edit	Select Targets	l
Release Configuration	Select largets	l
Domain Structure	Tou can select one of more targets to deploy your new sood data source at you don't select a target, the data source mill be created but not deployed, four millinear to deploy the data source at a factor target.	l
bifoundation_domain	Servers	L
Domain Partitions	✓ AdminServer	L
-Environment -Deployments		L
-Services	Clusters	L
Messaging		L
Data Sources	bi_cluster	L
Foreign JNDI Providers	All servers in the cluster	L
	Part of the cluster	L
XML Registries	bi_server1	L
XML Entity Caches		L
сом	Back Next Finish Cancel	L
Mail Sessions	LOOK INNE LINEE LOOK	L
How do I		1
Create JDBC GridLink data sources		
System Status 🗉		





FCUBS Gridlink Datasource Configuration [May] [2023] Version 14.7.1.0.0

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