FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 14.6.2.0.0 Part No. F72916-01 [November] [2022]

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

	ministration Console 12c					Õ
Change Center	🏠 Home Log Out Preferences 🔤 Recor	d Help	Q		Welcome, webb	ogic 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.	Configuration Monitoring	he 1001 tree that	provides database connectivity through a pool of	IDBC connections. Applications can look up	data cource on t	he MDI tree and then harrows
The above configuration	database connection from a data source.	are shot tree that	provides dutabase connectivity through a poor of	obe connections. Applications can look a	p u dutu source on t	
Domain Structure	This page summarizes the JDBC data sour	ce objects that hav	ve been created in this domain.			
bifoundation_domain ▲ D [®] Domain Partitions B [®] Environment → Deployments B [®] Services B [®] Hessaging → Data Sources	Customize this table Data Sources (Filtered - More Column New Delete	s Exist)				Showing 1 to 7 of 7 Previous Next
Persistent Stores Foreign JNDI Providers	Generic Data Source GridLink 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	
H-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/WL5ServicesDatasource	bi_cluster	Global	
Create DBC multi data sources Create UCP data sources			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	What would you like to name your new JDBC GridLink data source?
	a∰ * Name: jdbc/fcjdevDS
Data Sources	What scope do you want to create your data source in ?
Foreign JNDI Providers	Scope: Global V
····XML Registries ····XML Entity Caches ····iCOM	What JNDI name would you like to assign to your new JDBC GridLink data source?
Mail Sessions	jbD/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: 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.
Warning (0) OK (2)	Database Driver: *Oracle's Driver (Thin) for GridLink Connections; Versions:Any
	Rave Next Finish Cancel

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 bifornation_domain Φ-Domain Partitions Φ-Domain Partitions Φ-Deployments Φ-Deployments Φ-Descaing Φ-Detassing Φ-Detassing Φ-Detastures Position Stores Position Stores ¬Work Contexts ¬MUL Entity Caches ¬JCM	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 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 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				
Receive 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 Freining	Enter complete JDBC URL				
Deployments Services	Back Next Finish Cancel				
Messaging Data Sources					
····Persistent Stores					
Foreign JNDI Providers					
XML Registries					
XML Entity Caches					
jCOM					
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 distribura 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

reo peruong changes exos. Linck une kerease Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Finant Gancel ONS Clent Configuration Define ONS Client Configuration				
omain Structure Check to enable the data source to subscribe to and process Oracle FAN events					
bifoundation_domain Domain Partitions D-Domain Partitions	Concerned and the set of the				
Deployments	Enter host and port of each ONS node separated by colon and click the add button.				
Services Messaging Data Sources Persistent Stores	ONS host and port:				
	mc13dbzg1-zone-1-mc13-n16200 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) OK (2)	Confirm ONS Wallet Password:				
01(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

ORACLE WebLogic Server Ad	Iministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🖂 Record Help	Welcome, weblogic Conn	nected 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 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 need to deploy the dat	ta source at a later time.
Domain Structure	-	1	
bifoundation_domain Domain Partitions Density of the second sec	Servers Image: AdminServer		
Service Services Services	Clusters bi, cluster All servers in the cluster Part of the cluster bi_server1		
	Back Next Finish Cancel		
How do I Create JDBC GridLink data sources 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 Administration Console 12c					Õ	
Change Center	🏠 Home Log Out Preferences 🖂 Recor	i Help	Q		Welcome, webl	ogic 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.	Configuration Monitoring					
Lock & Edit						
Release Configuration	A JDBC data source is an object bound to database connection from a data source.	he JNDI tree that	provides database connectivity through a pool of JE	BC connections. Applications can look up	a data source on t	the JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC data sour	e objects that hav	e been created in this domain.			
bifoundation_domain Denain Partitions Environment Deployments Services Environs Devessaging	Customize this table Data Sources (Filtered - More Column New > Delete	s Exist)				Showing 1 to 7 of 7 Previous Next
Data Sources Persistent Stores Foreian 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	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
јСОМ	UCP Data Source	Generic	jdbc/mds/owsm	AdminServer, bi_cluster	Global	
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	wlsservices_datasource	Generic	jdbc/WLSServicesDatasource	bi_cluster	Global	
Create JDBC multi data sources Create UCP data sources	New v 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 ⊕-Domain Partitions ⊕-Environment ↓-Deployments ⊕-Services	What would you like to name your new JDBC GridLink data source? dc: * Name: jdbc/rcjSchedulerDS
Hessaging Hessaging Hessaging Foreign JNDI Providers Hork Contexts Karage Kara	What scope do you want to create your data source in ? Scope: Global What JNDI name would you like to assign to your new JDBC GridLink data source?
i ⊢-Mail Sessions How do I I • Create JDBC GridLink data sources	d∰ JNDI Name: idbc/fcjSchedulerDS
System Status Health of Running Servers	What database type would you like to select?
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (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 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. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Data Filmsh Cancel Transaction Options Transaction options and use the Two-Phase Commit' global transaction protocol. No other transaction option set a valiable. Transaction options and use the Two-Phase Commit' global transaction protocol.				
bifoundation_domain Domain Partitions Domain Partitions Domain Partitions Definition Services Definition	Back Next Finish 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.	Create a New JDBC GridLink Data Source				
	Back Next Finish Cancel				
Release Configuration	GridLink data source connection Properties Options				
Recuse comparation	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	Enter individual listener information				
bifoundation_domain Domain Partitions Converted States St	Enter complete JDBC URL Back, Next, Finish Cancel				
ServicesMessagingData Sources					
Persistent Stores					



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:	
Deployments Services Messaging	Enter host and port of each listener separated by colon a	and click the add button. In the case of a RAC DB listener, specify the SCAN address.
Data Sources Persitent Stores Foreign JNDI Providers Wink Registries Will, Entity Caches 	Host and Port:	Add Remove
How do I		
Create JDBC GridLink data sources	What database account user name do you want to use to	o 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:	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	I nome Log Out Preferences - kecon	a neip	<u> </u>	weicome, webiogic connected 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. Lock & Edit Release Configuration	Messages Connection test for jdbc:oracle:thin:@ succeeded. Create a New JDBC GridLink Data Source Test All Listeners Back Next Fil	e .	ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)	HOST+blnpxf517.in.orade.com/(PORT=1521))/(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))
Domain Structure	Pest Air Elsteners			
ifoundation_domain ⊕-Domain Partitions ⊕-Environment ⊕-Services ⊕-Services ⊕ Messaging	Test GridLink Database Connection Test the database availability and the con What is the full package name of JDBC driv (Note that this driver class must be in the c	er class used to c	create database connections in the connection p	ool?
Data Sources Persistent Stores Foreign JNDJ Providers Work Contexts XML Registries	Driver Class Name: What is the URL of the database to connec	to? The format (oracle.jdbc.OracleDriver of the URL varies by JDBC driver.	
WALL Entity Caches	URL: jdbc:oracle:thin:@(DESCRIPTI (ADDRES5_LIST=(ADDRES5=(PROT (HOST=bdrgxr6117.in.oracle.c (PORT=1521)))(CONNECT_DATA=	OCOL=TCP)		
Create JDBC GridLink data sources	(SERVICE_NAME=FCUBS11G)))		4	
System Status 🛛	Click the test button to test each listener.			
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCRI	TION=(ADDRES	S_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=I	lrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))
Failed (0) Critical (0) Overloaded (0) Warning (0)	What database account user name do you o Database User Name:	vant to use to cre	eate database connections?	
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 Refereace 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 Oracle FAN events		
bifoundation_domain	Sector de mane de dana source do subscribe do ana process craste nan evenis Sector Se		
Deployments Services	Enter host and port of each ONS node separated by colon and click the add button.		
F ⁻ Services dF-Messaging →Data Sources →Persistent Stores →Foreign JNDI Providers →Work Concents →Wilk Entity Caches →Mile Entity Caches →Mile Sensions →Mile Milly Caches →Mile Sensions → Create JDBC GridLink data sources	ONS host and port:		
	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) Overloaded (0) Warning (0) OK (2)	ONS Wallet Password: Confirm ONS Wallet Password: Back, Next, Finish Cancel		

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

Weblogic Server Ac	ministration console 120	\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	
No pending changes exist. Click the Release	Messages	
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	
- Services	✓ FAN Enabled	
Messaging Data Sources	Enter host and port of each ONS node separated by colon and click the add button.	
Persistent Stores		
Foreign JNDI Providers	ONS host and port:	
	mc13dbzg1-zone-1-mc13- n1:6200,mc13dbzg1-zone-1-mc13-n2:6200	
XML Entity Caches	hiloboojmetsadege tone i mets heroboo	
јСОМ		
Mail Sessions		
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)	ONS Wallet File Directory:	
Critical (0)		
Overloaded (0) Warning (0)	The wallet password attribute that is included as part of the ONS client configuration string. This attribute is only required when ONS is con	ifigured to use the SSL protocol.
OK (2)		



9) Select Target and click on Finish

	ministration 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 Finish. Cancel Select Targets Cancel Cancel	
Domain Structure bifoundation_domain $\hat{\oplus}$ -Domain Partitions $\hat{\oplus}$ -Environment	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 Servers AdminServer	t not deproyed. Tou will need to deproy the data source at a later time.
	Clusters bi_cluster All servers in the cluster Part of the cluster bi_servers1 Back Nett Finish Cancel	
How do I Create JDBC GridLink data sources System Status		





FCUBS Gridlink Datasource Configuration [November] [2022] Version 14.6.2.0.0

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