FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 14.5.5.0.0 Part No. F56689-01 [May] [2022]



# Table of Contents

1.	WE	BLOGIC JDBC GRIDLINK DATASOURCE	1-1
	1.1	PREFACE	1-1
	1.2	PURPOSE	1-1
		WEBLOGIC DATA-GRID DATASOURCE OVERVIEW	
		INTRODUCTION	
	1.5	DATABASE RELATED CONFIGURATION	1-2
	1.5.1	l ONS Setup	1-2
	1.5.2	2 Database Service Modification and Monitoring	1-2
	1.6	CONFIGURING GRIDLINK DATASOURCE	1-3
	1.6.1	l Non-XA Gridlink Datasource	1-3
	1.6.2	2 XA Gridlink Datasource	1-7



# 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 Administration Console 12c								
Change Center	🟦 Home Log Out Preferences 🔤 Record Help					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	Summary of JDBC Data Sources							
the domain.	Configuration Monitoring							
Lock & Edit								
Release Configuration	A JDBC data source is an object bound t database connection from a data source		provides database connectivity through a pool of	JDBC connections. Applications can look	up a data source on tl	ne JNDI tree and then borrow a		
Domain Structure	This page summarizes the JDBC data so	urce objects that ha	ve been created in this domain.					
bifoundation_domain DirDomain Partitions D-Comain Partitions D-Environment D-Deployments D-Services D-Messaging D-Data Sources	Customize this table Data Sources (Filtered - More Colur New Delete	nns Exist)				Showing 1 to 7 of 7 Previous   Next		
Persistent Stores	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			
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 > 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	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 GridUnk 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 Ad	ministration 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         Iventi         Frinki         Cancel           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     Messaging     Data Sources     Topersistent Stores	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 Emulate Two-Phase Commit.
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	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 L.	Select this option if you want to enable non-X4. 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 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						
	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 ⊕-Messaging	Back Next Finish Cancel						
Data Sources							
Persistent Stores Foreign JNDI Providers Work Contexts							
XML Registries XML Entity Caches jCOM Mail Sessions							
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   Domain Partitions  Constructions	Service Name:			
Topployments     Services     Britessaging     Hoats Sources     Porsistent Stores     Work Contexts     Work     Work Contexts     Work Contexts     Work     Work Contexts     Work     Work Contexts     Work     W	Enter host and port of each listener separated by colon a Host and Port:	nd click the add button. In the case of a RAC DB listener, specify the SCAN address.		
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:			
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 🔤 Record	a neip	4	weicome, webiogic   connected to: biloundation_domain	
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.		DESCRIPTION=(ADDRE	SS_LIST=(ADDRESS=(PROTOCO	L=TCP)(HOST=blrgw6117.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 Fin	ish Cancel			
Domain Structure	Test GridLink Database Connection				
pifoundation_domain	Test the database availability and the con	nection properties you p	provided.		
Deployments	What is the full package name of JDBC driv	er class used to create d	database connections in the conn	ection pool?	
D-Services ⊡-Messaging Data Sources	(Note that this driver class must be in the c	asspath of any server to	o which it is deployed.)		
Persistent Stores Foreign JNDI Providers	Driver Class Name:		oracle.jdbc.OracleDriver		
Work Contexts WILL Registries MILEINLY Caches MILEINLY Caches MILEINLY Caches MILEINLY Caches Mileinum How do I	What is the URL of the database to connect URL jdbc:oracle:thin:@(DESCRIPTI (ADDRESS_LIST=(ADDRESS=(PROT) (HOST=blrgxr6117.in.oracle.c (PORT=1521)))(CONNECT_DATA= (SERVICE NAME=FCUBS130)))	DN=	JRL varies by JDBC driver.		
Create JDBC GridLink data sources					
System Status 🖂	Click the test button to test each listener.				
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCRI	PTION=(ADDRESS_LIST	=(ADDRESS=(PROTOCOL=TCP)	HOST=blrgxr6117.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 v Database User Name:	vant to use to create dat	tabase 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

reo peruong changes exist. Link the Referese Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back, Next  Finih   Cancel ONS Client Configuration Define OIIS Client Configuration					
Domain Structure Check to enable the data source to subscribe to and process Oracle FAN events						
bifoundation_domain  Check to enable the basis source to subscribe to and process of adde FAN events  Promon Partitions  Fan Enabled  Fan Enabled						
Deployments	Enter host and port of each ONS node separated by colon and click the add button.					
⊖-Services ervices Data Sources Persistent Stores	ONS host and port:					
Foreign JHDD 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) 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	Hone > 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-n1s6200 succeeded.				
Lock & Edit	Create a New JDBC GridLink Data Source				
Release Configuration	Test ALOHS 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 -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 ContextsXML RegistriesXML Entity Caches	mc13dbzg1-zone-1-mc13- n1:6200,mc13dbzg1-zone-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 is configured to use the SSL protocol.				



#### 9) Select Target and click on Finish

ORACLE WebLogic Server Ad	Iministration Console 12c	Q
Change Center View changes and restarts	Home Log Out Preferences & Record Help Home >Summary of JDBC Data Sources	Welcome, 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 and the source of the select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         You can select one or more targets to deploy your new JDBC data source.         Yo	ated but not deployed. You will need to deploy the data source at a later time.
Domain Structure           bifoundaton_domain                • Domain Partitions                • Dennin Partitions                • Dennin Partitions                • Dennin Partitions                • Dennin Partitions                • Density                • Density                • Density                • Density                • Density                • Persitent Stores                • Persitent Stores                • Persitent Stores                • Work Cortexts                • WWR Registries                • WWR VC Scales	Servers Servers Server Subscription Server Subscription Servers in the cluster Servers in the cluster Server1 Server1 Server1	
MAIL Entity Caches     TOM     Mail Sections     V  How do L  Create JDBC GridLink data sources	Back Next Ensh	
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						Ŏ	
Change Center	🏠 Home Log Out Preferences 🖂 Reco	rd Help	Q		Welcome, webl	logic 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	Summary of JDBC Data Sources						
the domain.	Configuration Monitoring						
Lock & Edit							
Release Configuration	A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.						
Domain Structure	This page summarizes the JDBC data sou	rce objects that hav	ve been created in this domain.				
bifoundation_domain ▲ ⊕-Domain Partitions ⊕-Environment ⊕-Services ⊕-Messaging ⊷Data Sources	Customize this table Data Sources (Filtered - More Colum New Delete Generic Data Source	ns Exist)				Showing 1 to 7 of 7 Previous   Next	
Persistent Stores Foreign JNDI Providers	GridLink 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		
	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 Difoundation_domain Deployments Deployments Deployments Descrices Dersident Stores Persistent Stores Persistent Stores Vork Contexts Vork Con		What would you like to name your new JDBC GridLink data source?         Image: globc/fcjSchedulerDS         What scope do you want to create your data source in ?         Scope: Global ▼         What JNDL name would you like to assign to your new JDBC GridLink data source?         Image: JNDL Name: J
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)           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     INext

#### 3) Click Next

	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	Create a New JDBC GridLink Data Source		
Configuration button to allow others to edit the domain.	Back Next Finish Cancel		
Lock & Edit	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-Plase Commit' global transaction proto		
Release Configuration			
Domain Structure	In other Sected and Abox line (I) use to real evaluate connection in you nervise source in support yous usinscuois and use une inter-mise commit yous usinscuoi protoco. No ther transaction configuration options are valiable.		
bifoundation_domain	Back Next Finish Cancel		
B-Environment			
Deployments			
₽-Services			

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

	Iministration Console 12c		Õ
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		
Noicebe Comgaration	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     Denvironment	Enter complete JDBC URL		
Deployments     Services	Back Next Finish Cancel		
■ Messaging			
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  Domain Partitions Domain Partitions	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.
	Host and Port:	j.Adj
Work Contexts     "XML Registries     "XML Registries     "JOH     "JOH     "JOH     "JOH     "Mail Sessions     "		Remove
How do I		
Create JDBC GridLink data sources	What database account user name do you want to use to	p 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	nome Log Out Preferences and Record ner	ap 🔟	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:@(DESC succeeded.  Create a New JDBC GridLink Data Source  Test All Listeners) Back   Next    Finish	CRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=T	CP)(HOST=blrgur6117.in.orade.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))
Domain Structure			
Foundation_domain     Promain Partitions     Promain Partitions     Proventing Partitions     Provide and a sources     Provide that Sources	Test GridLink Database Connection Test the database availability and the connection What is the full package name of JDBC driver das (Note that this driver dass must be in the dasput Driver Class Name: What is the URL of the database to connect to? T URL: [jdbc:coracle:thin:@(DESCRIPTION= (ADDRESS_LIST=(ADDRESS=(PROTOCOL (MOST=bl:pgxr6117.in.oracle.com) (PORT=bl:pgxr6117.in.oracle.com) (SERVICE_NAME=FCUBS116)))	ass used to create database connections in the connecti ath of any server to which it is deployed.) oracle.jdbc.OracleDriver The format of the URL varies by JDBC driver.	n pool?
System Status 🗉	Click the test button to test each listener.		
Health of Running Servers           Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)	Test Listener Jdbc:oracle:thin:@(DESCRIPTIO) What database account user name do you want t Database User Name:	to use to create database connections? FCUBSNBESUP	T=blrgxr6117.in.orade.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))
	What is the database account password to use to	o create database connections?	1



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

red penning charges exists. Link the Kerease Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back         Next         Ensish         Cancel           ONS Client Configuration         Define OIIS Client Configuration         Define OIIS Client Configuration		
Domain Structure	Check to enable the data source to subscribe to and process Oracle FAN events		
bifoundation_domain			
Deployments Services	Enter host and port of each ONS node separated by colon and click the add button.		
B <sup>+</sup> -Messaging     B <sup>+</sup> -Messaging     Data Sources     -Persistent Stores     -Foreign JNDI Providers     -Work Contexts     -Wilk Registries     -Wilk Coches     -GOM     -GOM     -Mall Gestions     Eway do L      Flow do L      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.

WEDLOGIC SEIVER AU		~ ~
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.	Messages  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 -Messaging		
Messaging     Tota Sources     Persistent Stores     Persing JNDI Providers	Enter host and port of each ONS node separated by colon and click the add button.	
Work Contexts     Work Contexts     WML Registries     WML Entity Caches     GOM     Wail Secsions     ✓	mcl3dbzg1-zone-1-mcl3- n1:6200,mcl3dbzg1-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) 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 ON	S is configured to use the SSL protocol.



#### 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         Ennsh         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.         If you don't select a target.         If you don't select a target.	
Domain Structure           bifoundation, domain         ▲           ⊕ Domain Petitions         ▲           ⊕ Deparing Petitions         ●           ⊕ Deparing Petitions         ●           ⊕ Deparing Petitions         ●           ⊕ Deparing Petitions         ●           ● Vork Contexts         ●           ● Vork Contexts         ●           ● Vork Contexts         ●           ● VOR         ●	Servers       AdminServer       Clusters       Bic cluster       Part of the cluster       Bic servers	
How do I		
System Status		





FCUBS Gridlink Datasource Configuration [May] [2022] Version 14.5.5.0.0

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