FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 14.5.4.0.0 Part No. F52800-01 [February] [2022]



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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					Q
Change Center	🏠 Home Log Out Preferences 🖂 Reco	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 Configuration Monitoring					
Lock & Edit Release Configuration Domain Structure	A JDBC data source is an object bound to database connection from a data source. This page summarizes the JDBC data sou		provides database connectivity through a pool of J	DBC connections. Applications can look up	a data source on ti	he JNDI tree and then borrow a
bifoundation_domain ▲ ⊕ Toomain Partitions ⊕ Environment □ Deployments ⊕ Services ⊕ Messaging	Customize this table Data Sources (Filtered - More Column New Delete	ıs 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	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	wisservices_datasource	Generic	jdbc/WLSServicesDatasource	bi_cluster	Global	
Create JDBC multi data sources Create UCP data sources	News Delete Showing 1 to 7 of 7 Pravious				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 field	5 · · · · · · · · · · · · · · · · · · ·			
bifoundation_domain	What would you like to n	ame your new JDBC GridLink data source?			
Deployments Services Devloyments Devloyments	6월 * Name:	Jdbc/fcjdevOS			
Data Sources	What scope do you want	to create your data source in ?			
Persistent Stores Foreign JNDI Providers	Scope:	Global •			
····XML Entity Caches		ou like to assign to your new JDBC GridLink data source?			
jCOM	jdbc/fcjdevDS				
How do I 🖂 • Create JDBC GridLink data sources	L				
System Status 🖂					
Health of Running Servers	What database type wou	ld you like to select?			
Failed (0) Critical (0) Overloaded (0)	Database Type: What database driver we	Oracle uid 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			
	Back 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 🛛 🔍 💘 Welcome, weblogic Connected to: bifoundation_domain
View changes and restarts	Hore >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 Transaction Options You have selected non-X4 JDBC driver to create database connection in your new data source.
Domain Structure	Des 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 Persistent 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 Commt.
Foreign JNDI ProvidersWork ContextsWork 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-XA JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. With this option, no other resources can participate in the global transaction.
Create JDBC GridLink data sources	One-Phase Commit
System Status	Back Next Finish Cancel
Health of Running Servers	
Failed (0) Critical (0)	

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

ORACLE WebLogic Server Administration Console 12c					
Change Center	🚹 Home 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 BServices	Back Next Finish Cancel				
Messaging Data Sources					
Persistent Stores					
Foreign JNDI Providers					
···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	Ind click the add button. In the case of a RAC DB listener, specify the SCAN address.
How do I 😑	What database account user name do you want to use to	o create database connections?
Create JDBC GridLink data sources	Database User Name:	
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**

Thange Center	un nome Log Out Preferences in Record	neip	<u> </u>	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=(ADDRESS_LI	IST=(ADDRESS=(PROTOCOL=TCP)(HOST	=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))
Lock & Edit	Create a New JDBC GridLink Data Source	e		
Release Configuration	Test All Listeners Back Next Fini	sh Cancel		
Domain Structure	Test GridLink Database Connection			
ifoundation_domain				
+ Domain Partitions + Environment	Test the database availability and the conr	ection properties you provide	ed.	
Deployments	What is the full package name of JDBC drive	r class used to create datab	ase connections in the connection pool?	
	(Note that this driver class must be in the cl	asspath of any server to whic	ch it is deployed.)	
····Persistent Stores	Driver Class Name:	or	acle.jdbc.OracleDriver	
Foreign JNDI Providers Work Contexts XML Registries XML Entity Caches	What is the URL of the database to connect URL:		aries by JDBC driver.	
jCOM	jdbc:oracle:thin:@(DESCRIPTIC (ADDRESS LIST=(ADDRESS=(PROTO			
tow do I Create JDBC GridLink data sources	(ADDRESS_LIST=(ADDRESS=(PROT (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 jdbc:oracle:thin:@(DESCRIF	TION=(ADDRESS_LIST=(AD	DRESS=(PROTOCOL=TCP)(HOST=blrgxr	6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))
Failed (0) Critical (0)	What database account user name do you w	ant to use to create databas	e connections?	
Overloaded (0) Warning (0)	Database User Name:	F	CUBSNBESUP	
OK (2)	What is the database account password to u	ise to create database conne	ections?	



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

reo peruong changes exist. Link the reversese Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Final Cancel ONS Client Configuration Define OIIS Client Configuration						
Domain Structure	n Structure Check to enable the data source to subscribe to and process Oracle FAN events						
bifoundation_domain A Domain Partitions Domain Partitions	main a View of the second se						
Deployments	Enter host and port of each ON5 node separated by colon and c	lick the add button.					
Services Hessaging Tota Sources Persistent Stores	ONS host and port:	(Add)					
Foreign JHD2 ProvidersWork ContextsXNL RegistriesXNL Entity CachesCOMMail Sessions		mc13dbzg1-zone-1-mc13-n1:6200 mc13dbzg1-zone-1-mc13-n2:6200 Remove					
How do I 🖂							
Create JDBC GridLink data sources	The location of the Oracle wallet file in which the SSL certificat	es are stored.					
	ONS Wallet File Directory:						
System Status							
Health of Running Servers	The wallet password attribute that is included as part of the OP	IS 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.

VIENLOUIC SEIVELAU			
Change Center	🏦 Home Log Out Preferences 🖉 Record Help		
View changes and restarts	Home > Summary of JDBC Data Sources Hessages		
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 Al ONS 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		
B-Messaging	C FAN Enabled		
Data Sources Persistent Stores Foreign JNDI Providers	Enter host and port of each ONS node separated by colon and click the add button. ONS host and port:		
Work Contexts Wark Registries WALL Registries Wall Entity Caches jooM Wail Sessions	mc13dbrg1-zone-1-mc13- n1:6200,mc13dbrg1-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) 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 configured to use the SSL protocol. OK (2)			



9) Select Target and click on Finish

	iministration Console 12c	þ
Change Center <u>View changes and restarts</u> No pending changes exist, Click the Release Configuration button to allow others to edit	Arme Log Out Preferences Relation Connected to: bifoundation_dom Home >Summary of JDBC Data Sources Create a New JDBC GridLink Data Source	ain
Lock & Edit Release Configuration	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 data source at a later time.	
Domain Structure		1
bifoundation_domain	Servers Ø AdminServer	
Copyonnens Services Protessaging Data Sources Persistent Stores Foreign JNDI Providers Work Contexts Work Contexts Will, Registrise Will Registrise	Clusters Luster Lust	
How do L.	Back Next Finish Cancel	
Create JDBC GridLink data sources Svstem 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 Ad	Iministration Console 12c					Õ
Change Center	🏠 Home Log Out Preferences 🔤 Record	Help	Q	v	Velcome, 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.	Configuration Monitoring					
Lock & Edit						
Release Configuration	A JDBC data source is an object bound to to database connection from a data source.	ne JNDI tree that	provides database connectivity through a pool of JDI	BC connections. Applications can look up a	data source on th	ne JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC data source	e objects that hav	e been created in this domain.			
bifoundation_domain	Customize this table Data Sources (Filtered - More Columns New Delete	; Exist)				Showing 1 to 7 of 7 Previous Next
Data SourcesPersistent StoresForeign 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 x 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 Domain Partitions Domain Partitions Deployments	What would you like to name your new JDBC GridUnk data source?
B→Services B→Data Sources →Persistent Stores →Foreign JNDI Providers →Work Contexts	What scope do you want to create your data source in ? Scope: Global
XML Registries XML Entity Caches jCOM Mail Sessions	What JNDI name would you like to assign to your new JDBC GridUnk data source?
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 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 JOBC GridLink Data Source Data Desch Back Neut Finish Cancel Transaction Options To have selected an XJ DBC driver to use to create database connection in your new data source. The data source will support global transactions and use the Two-Phase Commit global transaction protocol. No other transaction options are available. To have selected an XJ DBC driver to use to create database connection in your new data source. The data source will support global transactions and use the Two-Phase Commit global transaction protocol.				
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

	dministration 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				
	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 D-Environment	Enter complete JDBC URL				
Deployments Services	Back Next Finish Cancel				
Messaging Data 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 lik	What is the service name of the database you would like to connect to?		
bifoundation_domain				
Domain Partitions	Service Name:			
-Environment				
Deployments Services	Enter host and port of each listener separated by colon and click the add button. In the case of a RAC DB listener, specify the SCAN address.			
Services Messaging	Line nost and port or each inserter separated by color and circuite audoution, in the case of a nAC DD listener, specify the SCAN address.			
Data Sources	Host and Port:	Add		
Persistent Stores		DDA		
Foreign JNDI Providers				
Work Contexts		*		
XML Registries				
XML Entity Caches		Remove		
-iCOM				
Mail Sessions		*		
How do I	1			
Create JDBC GridLink data sources	What database account user name do you want to use to create database connections?			
Create JDBC GridLink data sources				
	Database User Name:			
System Status 🗉	1			
Health of Running Servers	What is the database account password to use to creat	e database connections?		
Failed (0)	Password:			
Critical (0)	Tussword.			
Overloaded (0)				
Warning (0)	Confirm Password:			
OK (2)				
OK (2)	Additional Connection Properties:			
	Additional connection Properties.			
	Protocol:	TCP		
	oracle.jdbc.DRCPConnectionClass:			
	Back Next Finish Cancel			
	Current			

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

Change Center	monie Log Out Preferences 🔤 Kecord	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 connection properties you provided.			
Deployments	What is the full package name of JDBC driver class used to create database connections in the connection pool?			
Services (Note that this driver class must be in the classpath of any server to which it is deployed.) "-Data Sources				
Persistent Stores	Driver Class Name:		oracle.jdbc.OracleDriver	
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity CachesXML Entity Caches	What is the URL of the database to connect URL:	to? The format of the l	URL varies by JDBC driver.	
	jdbc:oracle:thin:@(DESCRIPTION=			
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 idbcoracle:thim:@/DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=blroxfs17/in.oracle.com/PORT=1521))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))			
Failed (0) Critical (0) What database account user name do you want to use to create database connections?				
Overloaded (0) Warning (0)	Database User Name:		FCUBSNBESUP	
OK (2)	What is the database account password to e	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

re perioding charges exist. Circle ine referease Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Nett Frinh Cancel ONS Client Configuration Define OIS Client Configuration				
Domain Structure	Check to enable the data source to subscribe to and process Oracle FAN events				
bifoundation_domain	Check to enable the data source to subscribe to and process Uracle FAN events I FAN Enabled				
Deployments Services	Enter host and port of each ONS node separated by colon and dick the add button.				
Services Hessaing Hessaing Hota Sources Persistent Stores Persistent Store Work Contexts Work Contexts Wulk Registries Wulk Registries Work Contexts Multi Add Sessions Wow do L How do L	ONS host and port: mc13dbzg1-zone-1-mc13-n1 6200 mc13dbzg1-zone-1-mc13-n2 6200 Remove				
NOW 00 1	The location of the Oracle wallet file in which the SSL certificates are stored.				
Create JDBC GridLink data sources	ONS Wallet File Directory:				
System Status 😐					
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 Ad	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 - Messaging		
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	mcl3dbzg1-zone-1-mcl3-	
XML Entity Caches	n1:6200,mc13dbzg1-zone-1-mc13-n2:6200	
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 i	is configured to use the SSL protocol.
OK (2)		



9) Select Target and click on Finish

	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 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 data source at a later time.
Domain Structure bifoundation_domain Domain Partitions Denvironment -Deployments	Servers ØrdeninServer	
Deprivers Definition De	Clusters Luster All servers in the cluster Back Next Finish Cancel Cancel	
How do L Create JDBC GridLink data sources System Status		





FCUBS GridLink Datasource Configuration [February] [2022] Version 14.5.4.0.0

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