FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 14.6.0.0.0 Part No. F56608-01 [May] [2022]



Table of Contents

1.	WEBLOGIC JDBC GRIDLINK DATASOURCE 1	1-1
1.	1 Preface	1-1
1.2	2 Purpose	1-1
1.	3 WEBLOGIC DATA-GRID DATASOURCE OVERVIEW 1	1-1
1.4		
1.:	5 DATABASE RELATED CONFIGURATION 1	1-2
	1.5.1 ONS Setup	1-2
	1.5.2 Database Service Modification and Monitoring	1-2
1.0	6 CONFIGURING GRIDLINK DATASOURCE 1	
	1.6.1 Non-XA Gridlink Datasource	1-3
	1.6.2 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

	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	New~ Delete					Showing 1 to 7 of 7 Previous Next



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

Release Configuration	JDBC GridLink Data Source Properties The following properties will be used to identify your new JDBC GridLink data source.				
Domain Structure	* Indicates required fields				
bifoundation_domain Domain Partitions Defension	What would you like to name your new JDBC GridUnk data source?				
Deployments	d∰ *Name: jdbc/fcjdevDS				
Messaging Data Sources Persistent Stores	What scope do you want to create your data source in ?				
Foreign JNDI Providers Work Contexts	Scope: Global V				
XML Registries XML Entity Caches	What JNDI name would you like to assign to your new JDBC GridLink data source?				
jCOMMail Sessions ▼	∦ JNDI Name: jdbc/fcjdevDS				
How do I 🗉					
Create JDBC GridLink data sources					
System Status 🖂					
Health of Running Servers	What database type would you like to select?				
Failed (0) Critical (0) Overloaded (0)	Database Type: Orade				
Warning (0)	What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.				
OK (2)	Database Driver: *Oracle's Driver (Thin) for GridLink Connections; Versions:Any				
	Barki Navi Einini Cancal				

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

ORACLE WebLogic Server Administration Console 12c					
Change Center	🏦 Home Log Out Preferences 🔤 Record Help				
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Back Next Frink Cancel Transaction Options				
	You have selected non-XA JDBC driver to create database connection in your new data source.				
Domain Structure 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 Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_domain			
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit	Create a New JDBC GridLink Data Source				
the domain.	Back Next Finish Cancel				
Lock & Edit Release Configuration	GridLink data source connection Properties Options				
Release Configuration	You can either enter the complete JDBC URL or enter individual host and port pair and let the assistant generate the JDBC URL.				
Domain Structure bifoundation domain	Enter individual listener information				
Domain Partitions Environment	Enter complete JDBC URL				
Deployments Services	Back Next Finish Cancel				
Messaging Data Sources					
····Persistent Stores					
Foreign JNDI Providers					
····XML Registries					
XML Entity Caches					
How do I					

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



	Define Connection Properties.			
Domain Structure	What is the service name of the database you would like to connect to?			
bifoundation_domain	Service Name:			
Topployments Services B-Tessaging Hotas Sources Porsistent Stores Work Contexts Work Context Work Context Work Context	Enter host and port of each listener separated by colon a	Add		
How do I 😑	What database account user name do you want to use to	s crasta 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

re persong charges exists circle are ease configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Finish Cancel ONS Clent Configuration Define OIS Client Configuration					
Domain Structure	n Structure Check to enable the data source to subscribe to and process Oracle FAN events					
bifoundation_domain Domain Partitions D-Environment	in A					
DeploymentsServices	Enter host and port of each ONS node separated by colo	on and click the add button.				
Services B-Messaging Data Sources Persistent Stores	ONS host and port:	[Add]				
Foreign Stores Foreign StOLP Providers Work Contexts Work Contexts With Registries WAL Entity Caches COM M Mail Sessions		mc13dbzg1-zone-1-mc13-n1:6200 * Remove				
How do I 📼						
Create JDBC GridLink data sources	The location of the Oracle wallet file in which the SSL of	ertificates are stored.				
	ONS Wallet File Directory:					
System Status 😑						
Health of Running Servers	The wallet password attribute that is included as part of	f the ONS client configuration string. This attribute is only required when ONS is configured to use the SSL protocol.				
Failed (0) Critical (0)	ONS Wallet Password:					
Overloaded (0) Warning (0)	Confirm ONS Wallet Password:					
OK (2)	Back Next Finish Cancel					

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

Change Center	🏦 Home Log Out Preferences 🔄 Record Help				
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages # Connection test for mc13dbzg1-zone-1-mc13-n1;6200 succeeded.				
Lock & Edit	Create a New JDBC GridLink Data Source				
Release Configuration	Test ALONS Nodes Back Next Finish Cancel				
Domain Structure	Test ONS client configuration				
bifoundation_domain	Test the ONS client configuration properties you provided				
Environment Deployments Services	Check to enable the data source to subscribe to and process Oracle FAN events				
Britessaging — Data Sources — Persistent Stores — Persistent Stores — Work Contexts —	Enter host and port of each ONS node separated by colon and click the add button. ONS host and port: mc13dbzg1-zone-1-mc13-n2:6200 mc13dbzg1-zone-1-mc13-n2:6200				
How do I 🗉					
Create JDBC GridLink data sources System Status	Click the test button to test ONS node. Test ONS Node mc13dbsg1-cone-1-mc13-m1:6200 Test ONS Node mc13dbsg1-cone-1-mc13-m2:6200				
Health of Running Servers					
	The location of the Oracle wallet file in which the SSL certificates are stored.				
Failed (0) Critical (0) Overloaded (0)	ONS Wallet File Directory:				
Warning (0) OK (2)	The wallet password attribute that is included as part of the ONS client configuration string. This attribute is only required when ONS is configured to use the SSL protocol.				



9) Select Target and click on Finish

Change Center Welcome, weblogic Connected to: bifoundation_domain View changes and restarts No pending change exist. Click the Felesse Connected to: bifoundation_domain Configuration to allow others to edit the domain. Lock & Edit Center Second Center Domain Structure Biffundation_domain Center Second Center Second Center Diffundation_domain Second Center Second Second Center Second Second		Administration Console 12c	0
Rebase Configuration Select Targets Domain Structure bifoundation, domain Bifoundation, domain Consume Partitions Commain Structure Servers Deformant Partitions Adminiserver Clusters Is cluster Deformerst Discurses Persistert Stores Discurses -Presistert Stores Discurses -Presistert Stores Discurses -Presistert Stores Discurses -Structure	Change Center <u>View Changes and restarts</u> No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Home Log Out Preferences Record Help Amore >Summary of JOBC Data Sources Create a New JOBC GridLink Data Source	
Deal Partitions Image: Administration (Jointain Control of the Cluster) Deployments Deployments B: Messaging Data Sources - Parisitent Stores - Foreign JNDI Providers - Work Cottexts - Work Cottexts - Work Cottexts - Work Cottexts	Release Configuration	You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but i	not deployed. You will need to deploy the data source at a later time.
1 Tr XML Entity Caches	 Domain Partitions Environment Deployments Gravices Petata Sources Petata Sources Persitent Stores Foreign JNDI Providers Work Contexts >XNL Registres 	Custers bi cluster Gall servers in the cluster Gall servers in the cluster	
indications v How do L. • • Create JDDC GridUnk data sources •	How do I Create JDBC GridLink data sources		

1.6.2 XA Gridlink Datasource

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

ORACLE WebLogic Server Administration Console 12c					Õ	
Change Center	🔒 Home Log Out Preferences 🖂 Record	i Help	Q		Welcome, weblo	gic Connected to: bifoundation_domain
View changes and restarts	Home >Summary of JDBC Data Sources					
No pending changes exist. Click the Release Configuration button to allow others to edit	Summary of JDBC Data Sources					
the domain. Lock & Edit Release Configuration	Configuration Monitoring A JDBC data source is an object bound to 1 database connection from a data source.	he JNDI tree that	provides database connectivity through a pool of 3	DBC connections. Applications can look u	p a data source on th	e JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC data source.	ce objects that hav	ve been created in this domain.			
bifoundation_domain ▲ ⊕-Domain Partitions ⊕-Environment ⊕-Deployments ⊕-Services ⊕-Messaging	Customize this table Data Sources (Filtered - More Column New > Delete	s Exist)				Showing 1 to 7 of 7 Previous Next
Data Sources Persistent Stores Foreign JNDI Providers	Generic Data Source	Туре	JNDI Name	Targets	Scope	Domain Partitions
Work Contexts	Multi Data Source urce	Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
XML Registries XML Entity Caches	Proxy Data Source urce	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
јСОМ	UCP Data Source	Generic	jdbc/mds/owsm	AdminServer, bi_cluster	Global	
: P-Mail Sessions	opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, bi_cluster	Global	
How do I 😑	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, bi_cluster	Global	
Create JDBC generic data sources	opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bi_cluster	Global	
Create JDBC GridLink data sources	wisservices_datasource	Generic	jdbc/WLSServicesDatasource	bi_cluster	Global	
Create JDBC multi data sources Create UCP data sources Delete					Showing 1 to 7 of 7 Previous Next	



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

Domain Structure	The following properties will be used to identify your new JDBC GridLink data source. * Indicates required fields
bifoundation_domain	What would you like to name your new JDBC GridUnk data source?
Deployments Services	/ mame: jdbc/fcjSchedulerDS
- Messaging Data Sources Persistent Stores	What scope do you want to create your data source in ?
Foreign JNDI Providers Work Contexts	Scope: Global V
XML Registries XML Entity Caches 	What JNDI name would you like to assign to your new JDBC GridLink data source?
Mail Sessions	JNDI Name: idts/fciSchedulerDS
How do I Create JDBC GridLink data sources	
System Status 🗉	
Health of Running Servers	What database type would you like to select?
Failed (0) Critical (0) Overloaded (0) Warning (0)	Database Type: Oracle What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.
OK (2)	Database Driver: *Oracle's Driver (Thin XA) for GridLink Connections Versions: Any
	Back Next Finish Gancel

3) Click Next

ORACLE WebLogic Server Ad	Iministration Console 12c	Q
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: bifoundation_domain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source Back Item Finish Cancel Transaction Options You have selected an X JDBC driver to use to create database connection in your new data source. The data source will support glob No other transaction configuration options are available.	al 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

	Iministration Console 12c	Ģ	2
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_doma	in
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	Enter complete JDBC URL Back Next Finish Cancel		
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	a connect to?	
bifoundation_domain	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Domain Partitions	Service Name:		
-Environment			
Deployments			
E-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.		
Hessaging	Host and Port:		
···Data Sources	Host and Port:	Add	
····Persistent Stores			
Foreign JNDI Providers			
····Work Contexts			
····XML Registries		Remove	
XML Entity Caches		Relieve	
јСОМ		•	
Mail Sessions			
How do I			
Create JDBC GridLink data sources	What database account user name do you want to use to c	reate database connections?	
- create sobe on admit data sources			
	Database User Name:		
System Status			
Health of Running Servers	What is the database account password to use to create database	atabase connections?	
Failed (0)	Password:		
Critical (0)			
Overloaded (0)			
Warning (0)	Confirm Password:		
OK (2)	1	•	
01(2)	Additional Connection Properties:		
	Protocol:	TCP	
	oracle.jdbc.DRCPConnectionClass:		
	Daub Next Carried		
	Back Next Finish Cancel		

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

Change Center	📖 nome Log Out Preferences 📖 Record help		weicome, weblogic 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	succeeded. Create a New JDBC GridLink Data Source		(HOST=blrgsr6117.in.orade.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUB511G)))
Domain Structure	Test All Listeners Back Next Finish	Cancel	
ifoundation domain	Test GridLink Database Connection		
Domain Partitions	Test the database availability and the connection properties you provided.		
Environment			
Deployments	What is the full package name of JDBC driver class used to create database connections in the connection pool?		
Services Bervices Bervices	(Note that this driver class must be in the classpath of any server to which it is deployed.)		
Data Sources			
Persistent Stores	Driver Class Name:	oracle.jdbc.OracleDriver	
Foreign JNDI Providers		ondergabelonderbirter	
····Work Contexts	What is the URL of the database to connect to? The format of the URL varies by JDBC driver.		
XML Registries XML Entity Caches			
	URL:		
Mail Sessions	jdbc:oracle:thin:@(DESCRIPTION= (ADDRESS_LIST=(ADDRESS=(PROTOCOL=	TCP)	
How do I	(HOST=blrgxr6117.in.oracle.com)		
How do I	(PORT=1521)))(CONNECT_DATA=		
Create JDBC GridLink data sources	(SERVICE_NAME=FCUBS11G)))		
System Status 🖂	Click the test button to test each listener.		
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCRIPTION=	=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=	blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))
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 use to create database connections?			



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

no penuing charges exist. Crick the Referese Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Finith Cancel ONS Clent Configuration Define OIIS Client Configuration		
Domain Structure	Check to enable the data source to subscribe to and process Oracle FAN events		
bifoundation_domain	Intervence Intervence Intervence Image: State of the state of th		
Deployments	Enter host and port of each ONS node separated by colon and click the add button.		
EP-services B→Hessigning →Data Sources →Parisitent Stores →Foreign JNDI Providers →Work Contexts →WML Registries →MML Entity Caches →COM	ONS host and port: mc13dbzg1-zone-1-mc13-n1:6200 mc13dbzg1-zone-1-mc13-n2:6200 Remove		
Mail Sessions			
How do I 🗉			
Create JDBC GridLink data sources	The location of the Oracle wallet file in which the SSL certificates are stored.		
	ONS Wallet File Directory:		
System Status			
Health of Running Servers	The wallet password attribute that is included as part of the ONS client configuration string. This attribute is only required when ONS is configured to use the SSL protocol.		
Failed (0) Critical (0)	ONS Wallet Password:		
Overloaded (0) Warning (0)	Confirm ONS Wallet Password:		
ОК (2)	Back Next Finish Cancel		

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

Mencolic server w	winninstation console rzc	
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 Check to enable the data source to subscribe to and process Oracle FAN events	
Deployments		
Services B-Messaging	✓ FAN Enabled	
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:	
Work Contexts	mc13dbzg1-zone-1-mc13-	
····XML Registries	n1:6200,mc13dbzg1-zone-1-mc13-n2:6200	
····XML Entity Caches ····jCOM		
-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)		
Critical (0)	ONS Wallet File Directory:	
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 conf	inured to use the SSL protocol
OK (2)	The many passive account of the second as part of the one cleft conligation string. This attribute is only required when one is com	garea to ase the site protocoli



9) Select Target and click on Finish

	dministration Console 12c	õ
Change Center	🏦 Home Log Out Preferences 🖾 Record Help	indation_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	Select Targets	
Release Configuration	Select rargets 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 la	tartima
Domain Structure	Tou can selec one on more targets to deputy your new Jobo data source in you don't select a target, the data source will be treated but not deputyer. Tou will need to deputy me data source at a ra	ter unie.
bifoundation_domain	Servers	
Domain Partitions Frequence of the second	✓ AdminServer	
Deployments		
-Services -Messaging	Clusters	
Data Sources	bi_cluster	
Persistent Stores	All servers in the cluster Part of the cluster	
····Work Contexts	Part of the cluster	
XML Registries XML Entity Caches		
јСОМ	Back Next Finish Cancel	
Mail Sessions		
How do I		
Create JDBC GridLink data sources		
Surtam Statur		
System Status		





FCUBS Gridlink Datasource Configuration [May] [2022] Version 14.6.0.0.0

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