FCUBS GridLink Datasource Configuration Oracle FLEXCUBE Universal Banking Release 12.87.06.0.0 [May] [2020]



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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

Change Center	😰 Home Log Out Preferences 🔤 F	Record Help	Q		Welcome, web	logic Connected to: bifoundation_dom
View changes and restarts	Home -Summary of JDBC Data Source	es				
No pending changes exist. Click the Release	Summary of JDBC Data Sources					
Configuration button to allow others to edit the domain.	Configuration Monitoring					
Lock & Edit	. In the second se					
Release Configuration	A JOBC data source is an object bour database connection from a data so		it provides database connectivity through a p	ool of JDBC connections. Applications can loo	k up a data source on	the JNDI tree and then borrow a
Domain Structure	This page summarizes the JDBC data		ave been created in this domain.			
bifoundation, domain – Bir Downin Partitions Bir Environment Deployments Bir Hessaning	© Customize this table					
⊡Deployments ⊜ Services ∯Hessaging	Data Sources (Filtered - More Co	lumns Exist)				Showing 1 to 7 of 7 Previous Next
Deployments Services	New Delete Generic Data Source		JNDI Name	Taroets	Scope	Showing 1 to 7 of 7 Previous Next
Deployments Services Horizontal Data Sources Persistent Stores Foreign JKDD Providers	Renv Delete Generic Data Source GridLink Data Source	Туре		Targets	Scope	
→Deployments Services H+Hessaging Data Sources →Persistent Stores	New Delete Generic Data Source GridLink Data Source Multi Data Source	Type Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
Deployments Services Services Deal Sources Pessident Stores Foningin JUDI Providers Work Contexts "Work Contexts "340. Entroty Caches	New Cleter Generic Data Source GridLink Data Source	Type Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource	bi_cluster AdminServer	Global	
Deployments Services Processing Data Sources Persident Soles Foreign 1000 Providers Work Contexts "XNR Registries "XNR Registris "XNR Registris	New Delete Generic Data Source GridLink Data Source Multi Data Source	Type Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
"Optimizers "Optimize	Newr Delete Generic Data Source I GridLink Data Source II Multi Data Source II Proxy Data Source II	Type Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource	bi_cluster AdminServer	Global	
"Optimizers "Optimize	Newry Delete Generic Data Source	Type Generic Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSveTblDataSource jdbc/mds/owsm	bi_cluster AdminServer AdminServer, bi_cluster	Global Global Global	
"Optimizers "Optimize	Nerv Debie Generic Data Source Gridluk Data Source Praty Data Source UCP Data Source UCP Data Source UCP Data Source	Type Generic Generic Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource jdbc/mds/owsm jdbc/AuditAppendDataSource	bi_cluster AdminServer AdminServer, bi_cluster AdminServer, bi_cluster	Global Global Global Global	
Configurations 3 - Services 3 - Services Data Sources Pervision	Nerve Deline Generic Data Source Gridue Data Source Pray Data Source UCP Data Source UCP Data Source generation CeBUS ops audit-MemDS	Type Generic Generic Generic Generic Generic	jdbc/BIPiatformDatasource jdbc/BIPiatformDatasource jdbc/Inds/owsm jdbc/AwdItAppendDataSource jdbc/AwdItAppendDataSource	bi_duster AdminServer AdminServer, bi_duster AdminServer, bi_duster AdminServer, bi_duster	Global Global Global Global Global	

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 Gridunk data source? Image: * Name: [dbc/fc]dev/DS
***Persistent Stores ***Foreign JNDI Providers ***Work Contexts	Scope: Global •
NAR. Registries '''''''''''''''''''''''''''''''''	What JNDI name would you like to assign to your new JDDC GridLink data source?
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) for GridLink Connections: Arry
	[Back] [Next] [Finish] [Cancel

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

ORACLE WebLogic Server A	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 JUBC GridLink bata Source Back Itent ITenna Cancel Transaction Options You have selected non-NA JUBC 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 + P-Domain Partitions B-Environment	Supports Global Transactions	
Deployments Services Deta Sources Deta Sources	Select this option If you want to enable non-XA JOBC connections from the data source to participate in global transactions Emulate Two-Mase Commit.	using the Logging Last Resource (LLR) transaction optimization. Recommended in place of
- Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	Select this option if you want to enable non XA JOBC connections from the data source to emulate participation in global tr conditions. Imulate Two-Phase Commit Select this option if you want to enable non-XA JOBC connections from the data source to participate in global transactions	
How do L.	can participate in the global transaction.	
Create JDBC GridLink data sources	One-Phase Commit	
System Status	Dack Next Finish Cancel	
Health of Running Servers	<u></u>	
Failed (0) Critical (0)		

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

ORACLE WebLogic Server Ad	fministration Console 12c	Q
Change Center	🚖 Home Log Dut Preferences 🐼 Record Help	Welcome, weblogic Connected to: bifoundation_domain
View changes and restarts	Home >Summary of JOBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Entl Release Configuration	Create a New JUBC GridLink Data Source Back Went (Finith) Gancel GridLink data source connection Properties Options You can either enter the complete JDEC URL or enter individual host and port pair and let the assistant generate the JDEC URL.	
Domain Structure bifoundation_domain ⊕"Domain Partitions ⊕"Environment ""Deployments ⊕"Services ⊕"Hessaging	Enter mdvidual listener information Enter complete JDBC URL Back [Mest] [Presh] [Cancel]	
Data Sources Persistent Stores Versign JNOI Providers Versi Contexts Volt. Contexts VID. Entry Caches TOOH Stores TOOH Stores Tool Stores Stores Stores Stores Stores Stores Stores Stores Stores		
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	e to connect to?
bifoundation_domain 🔺		
Domain Partitions	Service Name:	
Environment		
Deployments	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.
⊡-Services ⊕-Messaging	Enter nost and port of each instener separated by colori	and circle and putton, in the case of a two bonstener, specify the power address.
Data Sources	Host and Port:	Add
		Add
Foreign JNDI Providers		
Work Contexts		A
XML Registries		
XML Entity Caches		Remove
јСОМ		-
Mail Sessions		
How do I 😑		
Create 1DBC GridLink data sources	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 🗉		
Health of Running Servers	What is the database account password to use to create	database connections?
Failed (0)	Password:	
Critical (0)		
Overloaded (0)		
Warning (0)	Confirm Password:	
OK (2)		
	Additional Connection Properties:	
	Protocol:	
	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	mome Log Out Preferences 🔤 Record	u neip	weicome, webiogr	c 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.	Messages Connection test for jdbc:oracle:thin:@(D succeeded.	DESCRIPTION=(ADDRESS_LIST=(ADDRESS	S=(PROTOCOL=TCP)(HOST=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))
Lock & Edit	Create a New JDBC GridLink Data Source	ce		
Release Configuration	Test All Listeners Back Next Finis	ish Cancel		
Domain Structure	Test GridLink Database Connection			
ifoundation_domain				
Domain Partitions Environment	Test the database availability and the conn	nection properties you provided.		
Deployments	What is the full package name of JDBC drive	er class used to create database connection	ns in the connection pool?	
	(Note that this driver class must be in the cla	lasspath of any server to which it is deploye	ed.)	
Persistent Stores	Driver Class Name:	oracle.jdbc.Orac	cleDriver	
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	What is the URL of the database to connect t	to? The format of the URL varies by JDBC of	driver.	
јСОМ	jdbc:oracle:thin:@(DESCRIPTIO			
Mail Sessions	<pre>(ADDRESS_LIST=(ADDRESS=(PROTO (HOST=blrgxr6117.in.oracle.co</pre>			
łow do I	(PORT=1521)))(CONNECT DATA=	5m)		
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:@(DESCRIP	PTION=(ADDRESS_LIST=(ADDRESS=(PROT	TOCOL=TCP)(HOST=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE	E_NAME=FCUB511G)))
Failed (0) Critical (0)	What database account user name do you w	vant to use to create database connections	j?	
Overloaded (0) Warning (0)	Database User Name:	FCUBSNBE	ISUP	
OK (2)	What is the database account password to u	use to create database connections?		

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

no penuing changes exist. Crick the Kelease Configuration button to allow others to edit	
Configuration button to allow others to edit the domain.	Back Next Finish Cancel
Lock & Edit	Land Land Land
Release Configuration	ONS Client Configuration
	Define ONS Client Configuration
Domain Structure	Check to enable the data source to subscribe to and process Oracle FAN events
bifoundation_domain Domain Partitions Demoin Partitions	
Deployments =-Services	Enter host and port of each ONS node separated by colon and click the add button.
Data Sources	ONS host and port:
Persistent StoresForeign JNDI Providers	mc13dbzg1-zone-1-mc13-n2:6200 + Mc13dbzg1-zone-1-mc13-n2:6200 + Remove
How do L	
Create JDBC GridLink data sources	The location of the Oracle wallet file in which the SSL certificates are stored.
Create sobe Gradinik 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)	ONS Wallet Password:
Warning (0) OK (2)	Confirm ORS Wallet Password:

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

WEDLOUIC SEIVER AC	animistration console r2c	~
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: bifoundation_doma
View changes and restarts	Home >Summary of JDBC Data Sources Messages	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Connection test for mc13dbzg1-zone-1-mc13-n1:6200 succeeded.	
Lock & Edit	Create a New JDBC GridLink Data Source	
Release Configuration	Test All ONS Nodes Back Next Finish Cancel	
Domain Structure	Test ONS client configuration	
bifoundation_domain	Test the ONS client configuration properties you provided	
Environment Deployments	Check to enable the data source to subscribe to and process Oracle FAN events	
-Services -Messaging	If 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	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 mc13dbzq1zone-1-mc13-m1:6200	
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 c	configured to use the SSL protocol.

9) Select Target and click on Finish

ORACLE WebLogic Server Ad	Iministration Console 12c	Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic 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 a target. Select Targets	ed but not deployed. You will need to deploy the data source at a later time.
Domain Structure		
bifoundation_domain Domain Partitions Density Constraints Delowments	Servers Ø AdminServer	
Service Service Service Services	Clusters bL_cluster All servers in the cluster Part of the cluster bL_server1	
	Back Next Gancel	
How do I 🖂 • Create JDBC GridLink data sources		
System Status		

1.6.2 XA Gridlink Datasource

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

Change Center	Home Log Out	Preferences 🔤 Re	cord Help	Q		Welcome, webl	ogic Connected to: bifoundation_dons
View changes and restarts	Home >Summary o	f 3DBC Data Sources					
No pending changes exist. Click the Release	Summary of JDBC	Data Sources					
Configuration button to allow others to edit the domain.	Configuration	Honitoring					
Lock & Edit							
Release Configuration		e is an object bound on from a data source		it provides database connectivity through a p	ool of JDBC connections. Applications can loo	k up a data source on t	the JNDI tree and then borrow a
Domain Structure	This pape summar	izes the JDBC data s	ource objects that he	ave been created in this domain.			
Domain - Domain Partitions Environment	Customize this t	able					
	Contraction (ltered - More Colu	1	MUT Name	Taxaate	Scone	Showing 1 to 7 of 7 Previous Next
Dennin Partitions Environment Deployments Services Herressing Data Sources "Porsistent Stores Foreign JUDD Providers	Data Sources (Fi	Itered - More Colu arce	Туре	JNDI Name	Targets	Scope	Showing 1 to 7 of 7 Previous Next Domain Partitions
Domain Partitions Environment Deployments Services Data Sources Previsited Stores	Data Sources (Fi	Itered - More Colu arce urce e urce	Type Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	[managements
Domain Partitions Devicement Devicements Devicements Devicements Devices	Data Sources (Fi New) Delete Generic Data Sou GridLink Data So	Itered - More Colu arce arce e Urce	Type Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource	bi_cluster AdminServer	Global Global	[managements
Domain Partitions Devicement Devicements Devicements Devicements Devicements Devicements Devicement	Data Sources (Fi New > Delete Generic Data Sour GridLink Data Sourc Proxy Data Source UCP Data Source	Itered - More Colu arce urce e urce e urce e urce	Type Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource jdbc/mds/owsm	bi_cluster AdminServer AdminServer, bi_cluster	Global Global Global Global	[managements
Demain Partitions Deriverance Devicements	Data Sources (Fi New Delete Generic Data Sor GridLink Data Sourc Proxy Data Sourc	Itered - More Colu arce urce e urce e urce e urce	Type Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource	bi_cluster AdminServer	Global Global Global Global	[managements
Domain Partitions Devicement Devicements Devi	Data Sources (Fi New > Delete Generic Data Sour GridLink Data Sourc Proxy Data Source UCP Data Source	Itered - More Colu urce urce urce urce urce a urce urce urce urce	Type Generic Generic Generic	jdbc/BIPlatformDatasource jdbc/LocalSvcTblDataSource jdbc/mds/owsm	bi_cluster AdminServer AdminServer, bi_cluster	Global Global Global Global	[managements
Demain Partitions Demoinnent Demoinnent Demoinnent Demoinnent Detemoinnent Det	Data Sources (Ff New V) Delate Generic Data Sour Gridlink Data Sour Proxy Data Source UCP Data Source opsr-audit D	Itered - More Colu arce urce e urce e urce e urce e urce e urce e urce	Type Generic Generic Generic Generic	jdbc/BLP1atformDatasource jdbc/LocalSvcTblDataSource Jdbc/mdS/owsm Jdbc/AuditAppendDataSource	bi_cluster AdminServer AdminServer, bi_cluster AdminServer, bi_cluster	Global Global Global Global	[managements

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

	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? Image: * Name: idbc/fciSchedulerDS
ED-Services BD-Messaging Data Sources Data Sources Persident Stores Work Contexts V394L Registries V394L Entity Caches TCOM How do L. Create 19EC Gridlink data sources	What scope do you want to create your data source in ? Scope: Global • What JNDI name would you like to assign to your new JDBC GridUnk data source? Idbc/fciSchedulerDS
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 A				
Change Center	Home Log Out Preferences Record Help	Q	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 Itenti Itenti Transaction Options To have selected an XJDBC driver to use to create database fixe other transaction configuration options are available.	e connection in your new data source. Th	e data source will support global transactions and use the "two-Phase Con	nmit' global transaction protocol.
bifoundation_domain ← P-Domain Partitions Br-Environment → Deployments H-Services	Back, Next, Frenh Gancel			

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

ORACLE WebLogic Server A	dministration Console 12c	<u>Q</u>		
Change Center	🙆 Home Log Out Preferences 🖂 Record Help	Welcome, weblogic Connected to: bifoundation_domain		
View changes and restarts	Home >Summary of JOBC Data Sources			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration				
Domain Structure bifoundation_domain 0 ¹⁰ -Domain Pathoons 0 ¹⁰ -Environment 1 ¹⁰ -Services 0 ¹⁰ -Pasagang Cata Saures Paristeris Stores Paristeris Stores Paristeris Stores				

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

	Define Connection Properties.		
Domain Structure	What is the service name of the database you would like to connect to?		
bifoundation_domain			
Domain Partitions Environment	Service Name:		
Deployments			
Deployments D-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 Hessaging	Enter nost and port or each inscener separated by coron and circular and bactoris in the case or a root DB Inteller, specify the SCAR dutiess.		
Data Sources	Host and Port:	Add	
Persistent Stores		DOM .	
Foreign JNDI Providers			
Work Contexts		A	
XML Registries			
····XML Entity Caches		Remove	
iCOM			
Mail Sessions		*	
How do I			
Create JDBC GridLink data sources	What database account user name do you want to use to create database connections?		
Create JDBC Gridblik data sources			
	Database User Name:		
System Status			
Health of Running Servers	What is the database account password to use to create	database connections?	
Failed (0)	Password:		
Critical (0)			
Overloaded (0)			
Warning (0)	Confirm Password:		
OK (2)			
	Additional Connection Properties:		
	Protocol:	TCP	
	oracle.jdbc.DRCPConnectionClass:		
	Back Next Finish Cancel		
	Date Hext		

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

Change Center	Home Log Out Preferences in Record	neip	4	weicome, weblogic connected to: biloundation_domail		
View changes and restarts	Home >Summary of JDBC Data Sources Messages					
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Connection test for jdbc:oracle:thin:@(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=blrgwr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G))) succeeded.					
Lock & Edit Release Configuration	Create a New JDBC GridLink Data Source					
Domain Structure	TestAlListeners Back Rext Finish Cancel					
Joundation_domain A Domain Partitions Domain Partitions	Atton_domain Test GridLink Database Connection Test the database availability and the connection properties you provided.					
Consistent Stores Prevents Prev				a pool?		
Work Contexts Work Registries Will Entity Caches GOM	What is the URL of the database to connect URL: jdbc:oracle:thin:@(DESCRIPTIC (ADDRESS LIST=(ADDRESS=(PROTC	N= _	of the URL varies by JDBC driver.			
How do I 🗆	AUDOT 11		•			
System Status 🛛	Click the test button to test each listener.					
Health of Running Servers	Test Listener jdbc:oracle:thin:@(DESCRIF	TION=(ADDRES	S_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST	=blrgxr6117.in.oracle.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=FCUBS11G)))		
Failed (0) Critical (0) Overloaded (0)	What database account user name do you w Database User Name:	ant to use to cre	eate database connections?			
Warning (0) 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

re penuing changes exist. Circk the kerease Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Back Next Finish Cancel ONS Client Configuration Define ONS Client Configuration			
Domain Structure	Check to enable the data source to subscribe to and process Oracle FAN events			
bifoundation_domain Domain Partitions Definition	Cried to enable une data source to sousci the to and process oracle part events			
Deployments	Enter host and port of each ONS node separated by colon and click the add button.			
B-Services CP-Hessaping -Data Sources -Persistent Strees -Forcign JNDI Providers -Work Concents -Will, Registries -MULE furty Coches -MULE Gruty Coches -MULE	ONS host and port: mc13dbzg1-zone-1-mc13-n1.6200 mc13dbzg1-zone-1-mc13-n2.6200 mc13dbzg1-zone-1-mc13-n2.6200			
Create IDBC GridLink data sources	The location of the Oracle wallet file in which the SSL certificates are stored.			
System Status	ONS Wallet File Directory:			
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:			
01(2)	Back Next Finish Cancel			

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

WebLogic Server A	uninistration console 12c					
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-m116200 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	✓ 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 XML Registries XML Entity Caches jCOM	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 mc13dbzq1-zone-1-mc13-n1:6200					
System Status 🖂						
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	IS is configured to use the SSL protocol.				

9) Select Target and click on Finish

	dministration Console 12c		Q
Change Center	😧 Home Log Out Preferences 🖾 Record Help	Q	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 Rew JDBC GridLink Data Source Back Itematic Cancel Select Targets You can select one or more targets to deploy your new JDBC deploy your new your ne	Sata 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.
bifeundation, domain f bifoundation, domainne f bifoundation, d	Servers. Chusters Luster All servers in the cluster All servers in the cluster bi_server1 Back_find Princh Cancel		
Create JDBC GridLink data sources			

System Status



FCUBS Gridlink Datasource Configuration [May] [2020] Version 12.87.06.0.0

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