Payments Installation Checklist Oracle Banking Payments Release 14.7.4.0.0 Part No. G10007-01 [June 2024]

FINANCIAL SERVICES





Oracle Banking Payments WebLogic Server Configuration Checklist June 2024 Version 14.7.4.0.0

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1. Preface

1.1 Introduction

This document briefs the list of checklists to validate Payments Installation, to make it compatible to Oracle Banking Payments 14.3.

1.2 Audience

This document is intended for the following audience:

• Implementation & IT Staff

1.3 **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.



2. Payments Installation Checklist

2.1 Checklist for Installation on WebLogic Server

Below are the list of steps to validate Server Configuration post successful installation of Oracle Banking Payments:

- 1. Check the WebLogic version, JDK version on the Application server and Oracle Client version. The versions should be as per the latest certified version specified in the Release document.
- 2. Below WebLogic, parameters should be checked as part of Oracle Banking Payments Installation for the WebLogic Domain created.
 - a. Under Domain--> Configuration Tab --> Web Applications
 - b. Options 'JSP Compiler Backwards Compatible' and 'Archived Real Path Enabled' should be checked.
- 3. Missing Server Id setup at server start-up for single server or cluster installations.

Identify the Managed Server in which the Application EAR is deployed

- a. Login to the WebLogic Console
- b. Navigate to Environment --> Servers
- c. From the List of Servers, locate and click on the Managed Server in which the Application EAR is deployed

	Administration Console 1	2c												
hange Center	Home Log Out	Preferences 🐼 Record Help	Q					Welcome, pmin						
liew changes and restarts	Home >Summary of	f Deployments >Summary of Servers >Sum	mary of JDBC Data Sources >jdbc/	fcjdevDS >Summary of Deployments	>Summary of Servers									
lick the Lock & Edit button to modify, add or elete items in this domain.		Summary of Servers												
Lock & Edit	Configuration	Control												
M142 P-Domain Partitions P-Environment	Č2													
Servers Custers Coherence Clusters Resource Groups Resource Group Templates Machines	Click the Lock &	ed - More Columns Exist) & <i>Edit</i> button in the Change Center to a	ctivate all the Luttons on this pe	ige.										
Servers Clusters Coherence Clusters Cesource Groups Resource Group Templates Machines Virtual Hosts	Servers (Filtere Click the Lock &	ed - More Columns Exist)	ctivate all the Luttons on this pa	ige.	Ī	1		Showing 1 to 3						
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Verifying Arguments for Reference Number Generation

- a. After clicking the Managed Server, navigate to 'Server Start' tab under the 'Configuration Tab'
- b. Verify the Arguments as shown below

-Dserver.id=1



In case of cluster setup, each managed server, which is part of the cluster where the application is deployed, should have a different server id.
 For eg for Managed server, "Server1" the value should be given as

-Dserver.id=1

For Managed server Server2, the value should be given as

-Dserver.id=2

Different values can be given for managed server upto 99.

Note

Parameter '-Dserver.id=1' is required for the Reference Number Generation in Oracle Banking Payments Transaction screens. If not set, Oracle Banking Payments Transaction screens on launch will report Error on click of NEW

< → ♂ @	10.184.1	54.144:801	0/console/cons	ole.portal?_n	fpb=tru	e&_pageLabe	el=ServerC	onfigSen	/erstartTa	bPage8tham	P	00	Search				白	htv.	
BugDB 🛅 Oracle Link 🛅 SWIFT	Learn 🛅 JIRA 🗄	Oracle Link	BOBPM Link		MISC														
ORACLE WebLogic Serve	Administration Cons	ole 12c																	C
Change Center	Home Log O	ut Preference	s 🔝 Record Help		14	a										Welcome, w	eblogic Co	onnected	to: WEURO
View changes and restarts	Home >Summary	of Servers >Si	ummary of Deploym	ints >Summary o	of Servers >	FleecubeServer 2	Summary of	Servers > Fle	excubeServ										
Configuration editing is enabled. Future	Settings for Fle	cubeServer																	
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Protocols	Logging Debug	Monitoring	Control	Deployments	Services	Security	Notes			_	>						
Domain Structure	General Clus	ter Services	Keystores S	SL Federatio	n Services	Deployment	Migration	Tuning	Overload	Concurrency	Health Monitoring	Server Star	Web Services	Coherence					
WEUROPE	Save											<u> </u>							
Domain Partitions Environment Servers Dusters	Node Manager	is a WebLogic :	Server utility that y	ou can use to s	tart, suspe	nd, shut down, a	and restart s	ervers in no	rmal or une	opected condition	s. Use this page to	configure the star	tup settings that	Node Manager will	luse to start th	is server on a re	note machin	ie.	
Coherence Clusters Resource Groups Resource Group Templates Machines	Java Home:											The Java ho Info	ne directory (pat	h on the machine n	running Node M	lanager) to use w	hen starting	g this serv	ver. More
Virtual Hosts Virtual Targets	Java Vendor:											The Java Ve	ndor value to use	when starting this	s server. Mon	e Info			
Work Managers Concurrent Templates Resource Management	BEA Home:											The BEA hor Info	e directory (path	on the machine ru	unning Node M	anager) to use wi	en starting	this serv	er, More
How do L • Configure startup arguments for Managed Servers	Root Director	n												uses as its root dir specify a Root Dire					
Start Managed Servers from the Administration Console Shut down a server instance	Class Path:											The classpat	h (path on the m	achine running Nod	de Manager) to	use when startin	g this serve	r. More	Info
	-																		
System Status																			
Health of Running Servers as of 11:46 AM																			
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (4)	Arguments: -Daerver.	id=1 - <u>Dwe</u>	blogic.secu	ity. <u>SSL</u> .n	01ce=t)	rue						The argume	its to use when s	tarting this server.	. More Info				

5. JMS Load Balancing Configuration

For each of the Distributed Queue Connection Factory, disable the "Server Affinity" flag. This ensures that the messages get distributed uniformly across all the managed servers in a cluster.



Change Center	🟦 Home Log Out Preferences 📐 Record Help	Q	Welcome, weblogic Connected to: j
View changes and restarts	Home >Summary of JMS Modules >PMJMSModule >ACCINT_ Messages	QCF	
Click the Lock & Edit button to modify, add or delete items in this domain.	✓ All changes have been activated. No restarts are nece	essary.	
Lock & Edit	Settings for ACCINT_QCF		
Release Configuration	Configuration Subdeployment Notes		
Domain Structure	General Default Delivery Client Transactions F	Flow Control Load Balance Security	
jms	Click the Lock & Edit button in the Change Center to me	odify the settings on this page.	
E-Services	Save		
	Use this page to define the load balancing configuration	parameters for this JMS connection factory, which in	cludes enabling load balancing and server affinity.
Patri services ⊞-Bridges Data Sources	Load Balancing Enabled		Specifies whether non-anonymous producers created through a connection factory are load balanced within a distributed destination on a per-call basis. More Info
Persistent Stores Foreign JNDI Providers Work Contexts	Server Affinity Enabled		Specifies whether a server instance that is load balancing consumers or producers across multiple members destinations of a distributed destination, will first attempt to load balance across any other physical destinations that are also running on the same server instance. More Info
			5
Configure connection factories	Producer Load Balancing Policy:	Per-Member 🗸	The Producer Load Balancing Policy restricts where a JMS Message Producer can load balance its messages among members of a distributed destination (DD). More Info
System Status	Save		
Health of Running Servers as of 10:47 AM			

6. Non Transactional Datasource Configuration

Datasource which do not have the "Supports Global Transactions" flag enabled are referred as Non-Transactional Datasource, as they do not come under the Container/Server managed transactions.

Settings for jdbc	/fcjdevDS											
Configuration	Targets	Monitoring	Control	Security	Notes							
General Conn	ection Pool	Oracle	ONS Tr	ansaction	Diagnostics	Identity Options						
Click the <i>Lock &</i>	& <i>Edit</i> butto	on in the Cha	ange Center	to modify th	ne settings on t	his page.						
Save												
global (XA) or r	The transaction protocol for a JDBC data source determines how connections from the data source are handled during transaction proc global (XA) or non-global (local). This page enables you to define transaction options for this JDBC data source.											
Supports G	lobal Trans	sactions						Select this optior participate in glo				
O Logging Las	st Resourc	e						Enables a non-X/ using the Loggin Recommended ir				
O Emulate Tw	/o-Phase C	Commit						Enables a non-X/ transactions usin tolerate heuristic				
One-Phase	Commit							Enables a non-X/ using the one-pr other resources (

For such Datasources, the inactive connection timeout seconds must be configured to a positive value. This helps to avoid the Connection Leak scenario. The suggested value is 30



seconds.

Setting	s for jdbo	/fcjdevDS											
Config	juration	Targets	Monitoring	Control	Security	Notes							
Gener	al Con	nection Po	ol Oracle	ONS	Transaction	Diagnostics	Identity Options						
Save The	Click the Lock & Edit button in the Change Center to modify the settings on this page.												
Uset	L	dvanced — st Connecti	ions On Res	erve				Enables WebLogic Server to test a connection before giving it to a client (Requires that you specify a Test Table Name.) More Info					
	Test Fi	requency:			120)		The number of seconds a WebLogic Server instance waits between attempts when testing unused connections. (Requires that you specify a Test Table Name). Connections that fail the test are closed and reopene re-establish a valid physical connection. If the test fails again, the multiple connection requests in rapid successio					
Inac	tive Conr	ection Tim	eout:		30			The number of inactive seconds on a reserved Server reclaims the connection and releases it I pool. More Info					

7. Transactional Datasources Configuration

Datasource for which the "Supports Global Transactions" flag is enabled referred as Transactional Datasource, as they come under the Container/Server managed transactions.

tings for jdb	/fcjdevDS_	_GTXN					
onfiguration	Targets	Monitoring	Control	Security	Notes		
General Con	nection Pool	Oracle	ONS Tr	ansaction	Diagnostics	Identity Options	
Click the <i>Lock</i>	& Edit butto	n in the Char	nge Center	to modify th	e settings on l	his page.	
ave							
This page enab			tion option:	s for this JDE	3C data source		Select this option to enable non-XA connections from the data source to participate in global transactions. More Info
Logging La	st Resource						Enables a non-XA JDBC connection to participate in distributed transactions using the Logging Last Resource (LLR) transaction optimization. Recommended in place of Emulate Two-Phase Commit. More Info
) Emulate Tv	vo-Phase C	ommit					Enables a non-XA JDBC connection to emulate participation in distributed transactions using JTA. Select this option only if your application can tolerate heuristic conditions. More Info
0 Ph	C						Enables a non-VA IDRC connection to participate in distributed transactions

For such data sources ensure that "Logging Last Resource" option is selected.



Settings fo	ettings for jdbc/fcjdevDS_GTXN												
Configura	ation	Targets	Monitoring	Control	Security	Notes							
General	Conn	ection Po	ol Oracle	ONS	Transaction	Diagnostics	Identity Options						
Click the Save	Click the Lock & Edit button in the Change Center to modify the settings on this page. Save												
	The connection pool within a JDBC data source contains a group of JDBC connections that applications reserve, use, and then return to the pool. The c it are created when the connection pool is registered, usually when starting up WebLogic Server or when deploying the data source to a new target.												
		⊽ Advan Test Co	ced nnections Or	n Reserve	ł								
Inactiv	ve Con	nection T	ïmeout:		0								

"Inactive Connection Timeout" seconds must be set to 0. For the transactional Datasources as they participate in the container transaction, the timeout is governed by the JTA timeout seconds.

- 8. Data Source Setup Verification
 - d. Navigate to the Data Sources Configuration.
 - e. Below Data Sources must be mapped in the Data Sources Configuration.
 - i. Jdbc/fcjdevDS
 - ii. Jdbc/fcjdevDS_GTXN
 - iii. Jdbc/fcjdevDS_XA
 - f. Additional Data Sources for Co-deployed
 - i. jdbc/fcjdevDS_ASYNC



hange Center	Home Log Out Preferences 🖉 Rec	ord Help	Q			Welcome, pminfra Co						
iew changes and restarts	Home >Summary of JDBC Data Sources											
ick the Lock & Edit button to modify, add or	Summary of 100C Data Sources											
elete items in this domain.	Configuration Venturing											
Lock & Edit												
Release Configuration	A IDBC data source is an object bound t	o the JNDI tree that provides	database connectivity through a pool of IC	DBC connections. Applications can look up a data source on the JNDI tree	and then borrow a database connec	ion from a data source.						
main Structure	This page summarizes the IDBC data so	urce objects that have been (reated in this domain.									
143												
Domain Partitions Environment	Customize this table											
Deployments	Data Sources (Filtered - More Colum	ne Fviet)										
-Services -Security Realms	Click the Lock & Edit button in the Char	0.000	huttree on this again									
Interoperability		ye cana to activate al sie	outrie on the page.									
Diagnostics	New-					Showing 1 to 4 of 4						
	🗌 Name 🏟	Туре	JNDI Name	Targets	Scope	Domain Partitions						
	jdbc/ficjdevOS	Generic	jdbc/ficjdevDS	ServerA1, ServerIMPS, ServerSchd	Global							
	L PERSON CONTRACTOR	Generic	jdbc/fcjdevDS_GTXN	ServerA1, ServerIMPS	Global							
	jdbc/fcjdevO5_GTXN			the second	52020							
	jdbqfrcjdevOS_GTXN	Generic	jdbc/fcjdevOS_XA	ServerA1, ServerSchd	Global							
w do I 🗄		Generic Generic	jdbc/fcjdevDS_XA jdbc/fcjSchedulerDS	ServerA1, ServerSchd ServerA1, ServerSchd	Global Global							
Create JDBC generic data sources	jdbqlftjdev05_XA	20 - 10 -				Showing 1 to 4 of 4						
Create JDBC generic data sources Create JDBC GridLink data sources	jdbc/fcjdevO5_XA	20 - 10 -				Showing 1 to 4 of 4						
Create JDBC generic data sources Create JDBC GridLink data sources Create JDBC multi data sources	jdbc/fcjdevO5_XA	20 - 10 -				Showing 1 to 4 of 4						
Create JDBC generic data sources Create JDBC GridLink data sources	jdbc/fcjdevO5_XA	20 - 10 -				Showing 1 to 4 of 4						
Create 108C generic data sources Create 108C GirdLink data sources Create 108C multi data sources Create 108C multi data sources Create 1007 data sources	jdbc/fcjdevO5_XA	20 - 10 -				Stowing 1 to 4 of 4						
Deate 108C generic data sources Deate 108C Gridunk data sources Deate 108C multi data sources Deate UCP data sources	jdbc/fcjdevO5_XA	20 - 10 -				Stowing 1 to 4 of 4						

- g. Below listed Data Sources must be configured as NXA (Please refer to the below screenshot for Jdbc/fcjdevDS_GTXN)
 - i. Jdbc/fcjdevDS
 - ii. Jdbc/fcjdevDS_GTXN
 - iii. jdbc/fcjdevDS_ASYNC
- h. Below listed Data Sources must be configured as XA
 - i. Jdbc/fcjdevDS_XA



Change Center	Home Log	Out Preference	tes 🔛 Rec	ord Help			٩	Welcome, pmint
View changes and restarts	Home >Summa	ary of Servers >9	iummary of X	OBC Data So	urces >jdbc/fr	cjdevDS_GTXN	>Summary of JDBC Data Sources >jdbc/fcjdevOS >Summ	ary of JDBC Data Sources >jdbc/fejdevDS_GTXN
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for jd							
Lock & Edit	Configuratio	n Targets	Monitoring	Control	Security	Notes		
Release Configuration	General Co	onnection Poo	l Oracle	ONS 1	Transaction	Diagnostics	Identity Options	
Domain Structure	Click the Loc	k & Edit buttor	n in the Char	nge Center	to modify the	e settings on t	his page.	
PM143	Save							
Ponnain Partitions Environment Deployments Services Services Insecurity Realms Transporability Depnositios	WebLogic Se	ion pool within erver or when d e to define the	eploying the	data sourc	e to a new ta	arget.		m to the pool. The connection pool and the connections within it are created when the connection pool is registered, usually
La pregnosoca	🐻 URL:			jdb	c:oracle:th	in:@whf00a	iea.in.oracle.com:1523/pmtmppdb	The URL of the database to connect to. The format of the URL varies by JDBC driver.
	👸 Driver Cl	ass Name:		ofa	icle.jdbc.O	racleDriver		The full package name of JOBC driver class used to create the physical database conne connection pool. (Note that this driver class must be in the classpath of any server to w deployed.) More Info
How do I	Direction Propertie							The list of properties passed to the JDBC driver that are used to create physical databa example: server=dbserver1. List each property=value pair on a separate line. More in
 Configure testing options for a JDBC data source 	user=CMNU	ISR18						and the other many of a second s
 Configure the statement cache for a JDBC connection pool 								
 Configure credential mapping for a JDBC data source 	-				li			
 Configure connection harvesting for a connection pool 	System Prop	erties:						The list of System Properties names passed to the JOBC driver that are used to create j connections. For example: server=dbserver1. List each property=value pair on a separ
Encrypt connection properties								
System Status								
Health of Running Servers as of 5:26 PM					h			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	Encrypted Pr	roperties:			A	idd Securely		The list of encrypted Properties passed to the 206C driver that are used to create physi connectors. For example: password-walue. There are two ways to entered the values: values at once but the encrypted values will be valued on the screen until you save the option, list each property-walue pair on a separate line. Values entered will be encrypte enter the information second, save any other changes that you wish to make to this p Add Securely buttor. On the Add a new Tricypted Property page, enter the property no and Pild? IC Secure for additional seconder denormativalues.

- i. Below options must be enabled for the GTXN Data Source Jdbc/fcjdevDS_GTXN
 - i. Supports Global transactions
 - ii. Logging Last Resource

During creation of this datasource a table will be created in the connected database with the table name as WL_LLR_||'managed_server_name'

Here the managed server will be the name of the target server associated with the datasource.

For JDBC LLR 2PC transactions, if the transaction data is too large to fit in the LLR table, the transaction will fail with a rollback exception during commit. This can occur if your application adds many transaction properties during transaction processing. In this case, the database administrator can drop the existing table and create a new LLR table with the same name or alter the column with larger recSize value for RECORDSTR data column. The RECORDSTR data column must be the DBMS's variable string column type with the DBMS's maximum size. In this way, the DBMS allocates as much space as the data needs for a given row.



Change Center	🙆 Home Log Out Preferences 🔤 Record Help	v										
View changes and restarts	Home > Summary of JDBC Data Sources > jdbc/fcjdevDS_GTXN											
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for jdbc/fcjdeVDS_GTXN Configuration Targets Monitoring Control Security Notes General Connection Pool Oracle ONS Transaction Degrocotics Identity Options											
Release Configuration Domain Structure 2M143	Chick the Lock & Edit button in the Change Center to modify the settings on this page.											
 Pomain Partitions Pervironment Poployments Services Security Realms Thereoperability 	The transaction protocol for a JDBC data source determines how connections from the data source are handled during transaction proces This page enables you to define transaction options for this JDBC data source.											
Ĥ-Diagnostics	Supports Global Transactions Logging Last Resource	Select this option to enable non-XA connections from the data source transactions. More Info Enables a non-XA IDBC connection to participate in distributed transaction optimization. Recommended in place of Emulate Two										
How do I 🖂	© Emulate Two-Phase Commit	Enables a non-XA JDBC connection to emulate participation in distribute option only if your application can tolerate heuristic conditions. More II										
Configure global transaction options for a JDBC data source	One-Phase Commit	Enables a non-XA JDBC connection to participate in distributed transacti transaction processing. With this option, no other resources can particip Info										
System Status 🖂	Save											
Health of Running Servers as of 10:24 AM	Click the Lock & Edit button in the Change Center to modify the settings on this page.											
Failed (0) Critical (0) Overloaded (0) Warning (0)												

- 9. Target Server for Datasources created
 - a. If Payments EAR is deployed with embedded Scheduler, all datasources should point to the single Managed Server, where the application is deployed.
 - b. If Payments EAR and Scheduler EAR are deployed on two different Servers
 - i. Below datasources should be targeted to Managed Server where application is deployed.

jdbc/fcjdevDS jdbc/fcjdevDS_GTXN jdbc/fcjdevDS_XA

ii. Below datasources should be targeted to Managed Server where Scheduler is deployed.

jdbc/fcjdevDS jdbc/fcjdevDS_XA

- 10. Verifying data in SMTB_MODULES_GROUP Table
 - i. JNDI Names Input during Installation process must be verified with records in the SMTB_MODULES_GROUP table
 - ii. JNDI name provided here should be created on console.

Below is the screenshot of Data Input during installation



4	Oracle FL	EXCUBE Universal Installer 12.5.0.0.0		
	Orac	le Banking Installer		
	Basic Setu Parameter:	p Details s of SMTB_MODULES_GROUP tabl	e in the Database. UPDATE	
	MODULE	MODULE DESCRIPTION	JNDINAME	
	FCPMTS	Payments Module	jdbc/fcjdevDS	
	FCSMS	SMS	jdbc/fcjdevDS	
	FCCOMN	Core Services	jdbc/fcjdevDS	
	4	-III.,:		
	Exi	Log		Back Next

Below is the screenshot of records in the SMTB_MODULES_GROUP table

Ę	⊧ •	🔒 🔁 🖘 🗸	₹ ₹ ¢ # ø [. ▼ ▲ 4 日 4
		MODULE_GROUP_ID	MODULE_GROUP_DESC	JNDINAMERELEASE
▶	1	FCCOMN ···	Core Services	jdbc/fcjdevDS 14.3.0.5.0
	2	FCSMS ···	SMS	jdbc/fcjdevDS 14.3.0.5.0
	3	FCPMTS ···	Payments Module	jdbc/fcjdevDS 14.3.0.5.0

- 11. All queues mentioned in the Resource List should be mandatorily created. For all queues where Error queue needs to be defined, the below setting should be done.
 - a. 'Expiration Policy' should be maintained as 'Redirect' and 'Error Destination' as the error Queue. Keep Redelivery Limit as zero.



		ources >Su	mmary of J	MS Servers	>PMJMSSen	ver >Summary of	Iodules >PMJMSMODULES >jms/EXTA	CSYS_REQ_IN >Summary of JMS Modules >PMJMSMODULES >EMS_IN
ttings for	EMS_IN							
Configurati	ion Monitoring	Control	Security	Subde	ployment	Notes		
General	Thresholds and Que	otas Ov	errides	Logging	Delivery	Failure		
Click the Lo	ock & Edit button i	n the Char	nge Center	to modify	the setting	s on this page.		
Save								
Use this pa	age to define messa	ge deliver	y failure p	arameters,	like specify	ing redelivery lin	selecting a message expiration polic	y, and specifying an error destination for undeliverable or expired messages.
Redelivery	Delay <mark>Override:</mark>			-1				The delay, in milliseconds, before rolled back or recovered messages are redelivered, regardless of the RedeliveryDelay specified by the consumer and/or connection factory. Redelivered queue messages are put back into their originating destination; redelivered topic messages are put back into their conjuniting subcryption. The default value (1) specifies that the destination will not overrise the RedeliveryDelay setting specified by the consumer and/or connection factory. Where info
Redelivery Limit:			0				The number of redelivery tries a message can have before it is moved to the error destination. This setting overrides any redelivery limit set by the message sender. If the redelivery limit is configured, but no error destination is configured, then persistent and non-persistent messages are simply dropped (deleted) when they reach their redelivery limit. More Info	
Expiration Policy:			Redire	ect 🔻			The message Expiration Policy to use when an expired message is encountered on a destinatio The valid expiration policies are: More Info	
Expiration Logging Format:							The policy that defines what information about the message is logged when the Expiration Poli is set to Log. The valid logging policy values are: More Info	
Error Destination:			EMS_	IN_E		¥	The name of the target error destination for messages that have expired or reached their redelivery limit. If no error destination is configured, then such messages are simply dropped. a message has expired or reached its redelivery limit, and the Expiration Policy is set to Redree then the message is moved to the specified Error Destination. More Info	
Save								
	ock & Edit button i							

12. In case of Standalone and co-deployed setup for Payments, the below external queues should have the setup as mentioned

jms/SNCK_RES_IN jms/SNCK_RES_BKP_IN jms/FP_SNCK_RES_IN jms/FP_SNCK_RES_IN jms/EXT_PRICE_RES_IN jms/EXT_PRICE_RES_BKP_IN jms/ECA_RES_BKP_IN jms/FP_ECA_RES_BKP_IN jms/ECA_RES_IN jms/ACC_ENTRY_RES_BKP_IN jms/ECR_RES_IN jms/ECR_RES_BKP_IN jms/ECR_RES_BKP_IN jms/EXTRATESYS_REQ_BKP_IN jms/EXTRATESYS_REQ_IN

- a. Options Expiry Policy should be maintained as Redirect and error destination as Error queue in Delivery Failure. Keep Redelivery Limit as zero.
- b. In Tab Overrides, value for 'Time-to-Live Override" should be maintained as 2000.
- 13. In case of co-deployed setup, for external queue MDB_QUEUE_RESPONSE, check if
 - a. Options Expiry Policy is maintained as Redirect and error destination as jms/ACC_ENTRY_RES_BKP_IN in Delivery Failure. Redelivery Limit should be 0.
 - b. In Tab Overrides, value for 'Time-to-Live Override" should be maintained as 2000.



- 14. Check if following Gateway ears are deployed on the Application Server for co-deployed setup.
 - GW EJB
 - GW MDB
- 15. 'SYSTEM' user should be present and debug should be enabled in case debugs needs to be generated for checking the response error from FCUBS.
- 16. User role should be granted to SYSTEM user for the branch from where transaction is posted to MDB.
- 17. Check the maintenance for tables
 - PMTM_JOB_PARAM
 - i. For Parameter PM.CTX.PROVIDER property maintain the below value"t3://Weblogic_IP:Server_Port" or t3://Host Name:Server_Port Here Host Name is the name of the Application Server or IP of the Application Server.

Server_Port is the listen port configured on the application Managed Server where application is deployed.

- ii. For parameter PM.CTX.FACTORY value should be weblogic.jndi.WLInitialContextFactory
- PMTM_SYSTEM_PARAMETERS
 - i. For PARAM_NAME "PM.CTX.FACTORY", update the PARAM_VALUE as 'weblogic.jndi.WLInitialContextFactory'.
 - ii. For PARAM_NAME "PM_CTX_PROVIDER", update the PARAM_VALUE for Non-Cluster setup as "t3://Weblogic_IP:Server_Port" or "t3://Host Name:Server_Port"

and for Cluster setup as "t3://HOST NAME1: PORT 1, HOST NAME2:PORT 2"

- a. Here Host Name is the name of the Application Server or IP of the Application Server.
- b. Server_Port is the listen port configured on the application Managed Server where application is deployed.
- For PARAM_NAME "PM.CTX.CONNFACTORY" the appropriate connection factory needs to be provided which is created in JMS Server for e.g jms/PMQCF.
- iv. For PARAM_NAME "C2B_FILE_PATH", give the C2B path maintained in the Application server.
- v. For PARAM_NAME "DD_FILE_PATH" property, give the DD path maintained in the Application server.
- vi. For PARAM_NAME "DEBUG_PATH" property, give the PM DEBUG path maintained in the Application server.
- vii. For PARAM_NAME "DISPATCH_PATH" property, give the DISPATCH path maintained in the Application server.
- CSTB_PARAM
 - i. Check if the below parameters PM.CTX.FACTORY, PM_CTX_PROVIDER and PM.CTX.CONNFACTORY exist in CSTB_PARAM. In case parameters exists, it should have the same value as in in PMTM_SYSTEM_PARAMETERS. The parameters need not be maintained



in case it's already maintained in PMTM_SYSTEM_PARAMETERS.

- CSTM_EXTERNAL_SERVER_DETAILS
 - For field "CONTEXT_PROV_URL", update the values for Non-Cluster setup as "t3://Weblogic_IP:Server_Port" or "t3://Host Name:Server_Port" and for Cluster setup as "t3://HOST NAME1: PORT 1, HOST NAME2:PORT 2" in web-logic application server.
 - iii. Value for QUEUE_FCTRY_JNDI should be 'jms/PMQCF'
 - iv. Value for CACHE_QUEUE_JNDI should be 'jms/CACHE_TOPIC'
- 18. Please ensure the topic CACHE_TOPIC is created and present in the weblogic JMS Server. In case of cluster and non-cluster setup, the 'Forwarding policy' of the distributed Topic should be "Replicated" for the uniform Distributed Topic, otherwise the Caching would not work properly.

Change Center	Home Log Out Preferen	nces 🔛 Record Help		Q		Welcome, pminfra Connected to: PM142		
View changes and restarts	Home >Summary of JMS Serve Modules >ClusterJMSModule >		ry of Persistent Sto	res >ClusterJMSFile	tore >Summary	y of Servers >Summary of JMS Modules >PHUMSModule >Summary of JMS		
to pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for jms/CACHE_TOPIC							
domain.	Configuration Security	Monitoring Subdeploym	ent Notes					
Release Configuration	General Thresholds and	Quotas Overrides Log	ing Delivery Fi	alure Multicast	Members			
Iomain Structure	Save							
M142R Domain Partitions Finvironment	Use this page to define the	general configuration for the	s distributed topic	, such as selecting	a destination k	key for sorting messages as they arrive on the distributed topic members.		
Servers Clusters	🟀 Name:	jms/CACHE_TOPIC				The name of this distributed topic. More Info		
Server Templates Migratable Targets	JNDI Name:	jms/CACHE_TOPIC				The JNDI name used to look up this topic within the JNDI namespace. More Info		
····Resource Groups ····Resource Group Templates	Forwarding Policy:	Replicated ¥				The uniform distributed topic message Forwarding Policy specifies whether a sent message is forwarded to all members. Nore Info		
····Machines ····Virtual Hosts ····Virtual Tarnets	Template:	None 🗸				The JMS template from which the destination is derived. A template provides an		

- 19. If External JSUIXML path is checked as required during property creation, all UIXML and JS files (plus copy of old Rolled-up JSUIXML) should be copied to the external path after EAR creation.
- 20. All EMS folders should be created on the Application server with full rights.
- 21. Check if the value for below EMS properties are correctly defined in fcubs.properties.

EMS_INIT_CTX_FACT=weblogic.jndi.WLInitialContextFactory

i. Non Cluster Setup

EMS_PRVDR_URL= t3://Weblogic_IP:Server_Port

t3://Weblogic_IP:Server_Port" or "t3://Host Name:Server_Port"

- a. Here Host Name is the name of the Application Server Server or IP of the Application Server.
- b. Server_Port is the listen port configured on the application Managed Server where application is deployed.
- ii. Cluster Setup

In case of external load balancer, it should be the Host Name or IP and port of the Load balancer.

EMS_PRVDR_URL= t3://Weblogic_IP:Server_Port In case of internal load balancer, specify the Host name and IP as below of all managed servers used in the Cluster EMS_PRVDR_URL= t3://HOST NAME1: PORT 1, HOST NAME2:PORT 2



- 22. Debug paths should be created on the Application server with full rights. Data Store table CSTB_DEBUG_USERS should be populated with value Y if debug is to be generated for a logged in user.
- 23. Below maintenances should be done for both Co-deployed and Standalone. Details can be checked in FCUBS-Oracle Banking Payments Integration document.
 - a. Sanctions System Maintenance (PMDSNCKM)
 - b. ECA System Maintenance (PMDECAMT)
 - c. Accounting System Maintenance (PMDACCMT)
 - d. Queue Connection Profile Maintenance (PMDQPROF)

