Cluster Creation on Websphere Application Server 8.5 Oracle FLEXCUBE Universal Banking Release 12.1.0.0.0 [December] [2015]



Table of Contents

1.	PURP	OSE	3
2.	INTRO	DUCTION TO WEBSPHERE	3
3.	PRE-F	REQUISITES:	4
4.	STEP	S INVOLVED FOR CLUSTERING	5
4	I.1 C	REATE PROFILE	5
	4.1.1		
4	I.2 C	REATE NODE	
	4.2.1		
4	I.3 C	REATE CLUSTER	
	4.3.1	Add Cluster Members	
	4.3.2	Start Cluster	
4	I.4 C	reate Proxy Server	22
	4.4.1	Start Proxy Server	
4	l.5 C	ONFIGURE VIRTUAL HOST	
	4.5.1	Virtual Host Setup	
5.	CREA	TE RESOURCES IN CLUSTER SCOPE	
6.	DEPL	DY APPLICATION TO CLUSTER	
	6.1.1	Test the application	



1. Purpose

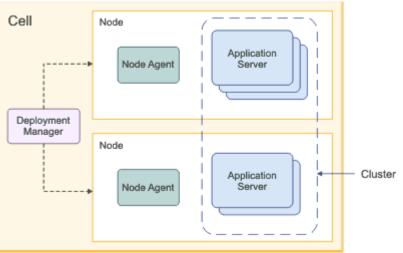
This document explains steps to create Cluster on Websphere Application Server 8.5 and also setup the proxy.

2. Introduction to Websphere

IBM websphere application server cluster deployment contains the below key elements

- Cell
- Nodes
 - Deployment Manager Node- "DMGR"
 - Node- "NodeXX"
 - Node Agent- "NAXX"
- Profiles
- Cluster
- Cluster Members
- Data Sources





- Cell: A cell is a grouping of nodes into a single administrative domain. In a Network Deployment environment, a cell can consist of multiple nodes (and node groups), which are all administered from a single point, the deployment manager.
- Node: A node is an administrative grouping of application servers for configuration and operational management within one operating system instance
- Node Agent: In distributed server configurations, each node has a node agent that works with the deployment manager to manage administration processes. A node agent is created automatically when you add (federate) a stand-alone node to a cell.



- Cluster: A cluster is a logical collection of application server processes that provides workload balancing and high availability. Application servers that belong to a cluster are members of that cluster and must all have identical application components deployed on them.
- A profile is a Websphere runtime environment formed by collection of User data and Product files.
 Product Files are shared application binaries for Websphere. User data is set of user customizations for a specific runtime environment.

Prominent profile types are:

- Stand-alone Application Server: An application server environment runs Enterprise Application. Application server is managed from its own administrative console and functions independently from other application server.
- Deployment Manager: A Deployment Manager manages operations for a logical group or cell of other servers. It is the central administration point of a cell that consists of multiple nodes and node groups in a distributed server configuration. The deployment manager uses the node agent to manage the application servers within one node. A deployment manager provides management capability for multiple federated nodes and can manage nodes that span multiple systems and platforms. A node can only be managed by a single deployment manager and must be federated to the cell of that deployment manager.

Note ** Deployment Manager is part of Network Deployment Edition of Websphere.

3. Pre-requisites:

Before proceeding with the cluster setup ensure that the below resources are created

- JDBC Provider
- Datasource
- Queue Connection Factory
- JMS Queue

The instructions for resource creation are available in document <installer>\Docs\WEBSPHERE\Resource_Creation_WAS.doc

- For SSL configuration in Websphere, refer to the document SSL_Configuration_WAS.doc
- For application deployment, refer to document FCUBS_Application_WAS.doc
- For deployment of Gateway applications, refer to document GATEWAY_Applications_WAS.doc

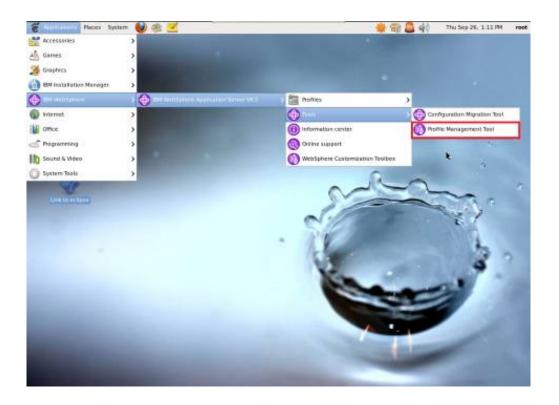


4. Steps involved for Clustering

4.1 Create Profile

Go to Profile Management Tool

Navigation: IBM WebSphere > IBM WebSphere Application Server V8.5 > Tools > Profile Management Tool



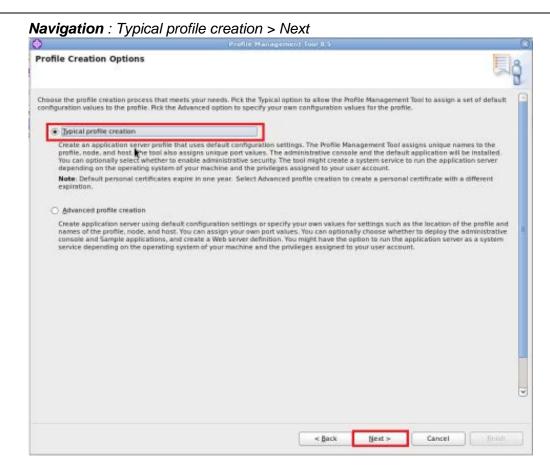


ite Window Help	n : Profile Manageme		
Configuration	Nigration Tool Offentile Management Tool Offen	ricome	
) Profiles			° 0
Public name	Environment	Profile path	Create

Navigation : Application Server > Next

2	Profile Management Tool 8.5	*
Environment Selection		۵ĝ
Select a specific type of environment to create. Environments:		
WebSphere Application Server Cell (deployment manager and a federated appl Management Application server Custom profile	lication server)	
Secure proxy (configuration-only)		
Description		_
An application server environment runs your enterpris- console and functions independently from all other ap	e applications. WebSphere Application Server is managed from its own administrative pplication servers.	2
	< fluck Next > Cancel flu	
	Tour - Courter	-





Navigation: Enable administrative security > Next

Iministrative Security	
oose whether to enable administrative se ministrative user is created in a repositor positoring.	ecurity. To enable security, supply a user name and password for logging into administrative tools. This y within the application server. After profile creation finishes, you can add more users, groups, or externe
Enable administrative security	
User name:	
websphere	
Exession:	
Confirm password:	
[
ew the online information center	



Navigation : Create Summary

⊕	Profile Management Tool 6 5	8
Profile Creation Summary		a la
Review the information in the summary for correct values on the previous panels.	tness. If the information is correct, click Create to start creating a r	new profile. Click Back to change
Application server environment to create: Appli	ration server	1
Location: /opt/IBM/WebSphere/AppServer/pro		
Disk space required: 200 MB		
Profile name: AppSrv06		
Make this profile the default: True		
Performance tuning setting: Standard		
Node name: ofss220367Node01		
Server name: server1		
Host name: ofss220367.in.oracle.com		
Deploy the administrative console (recommen	nded): True	1
Deploy the default application: True		
Enable administrative security (recommende	d): True	
Administrative console port: 9060		
Administrative console secure port: 9043		
HTTP transport port: 9080		
HTTPS transport port: 9443		
Bootstrap port: 2809		
SOAP connector port: 8880		
Run application server as a service: False		v
	< gack Create	Cancel Brish

Navigation : Finish

()	Profile Management Tool 8.5
Profile Creation C	plete
The next step is to decide administrative console of verification text and oth verification text and oth and o	Not created the profile successfully. hether to federate the application server into a deployment manager cell. erver, use either the add/Node command or the administrative console of the deployment manager. Using the res the application server to be running. pplication server from the command line or the first steps console. The first steps console also has links to an installation formation and features that relate to the application server. console ent Tool later, use the PMT command in the app_server_root/bin/PhofileManagement directory or the option in the first



4.1.1 Create Deployment Manager Profile

Navigation : *Profile Management Tool > Create*

itienane k		Profile auth	Que
ipSev06	Application server	Ispo BM/IRobSphere: AppServer UnotSes (AppShot)	641
vigatior	n : Management >Ne.	xt	
•		roffie Management fool 6.5	
vironment s	14, TX		19-11
vir onment a	Selection		周
Inst a space in the	pe of environment to create.		
vironments:	pe or environment to cheate.		
	plication Server		
		on server)	
Cell (deploy	yment manager and a federated applicati	on activity.	
Cell (deplo	yment manager and a federated applicati		
Cell (deplo Application	re.	an an hair Seinn Associa	
Application Custom pro	n server Affie		
Application Custom pro	ne. I server		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro	n server iffie		
Application Custom pro Secure pro	n server iffie		
Application Custam pro Secure pro-	server ifile xy (configuration-only) arofile provides the server and services for	r managing multiple application server environments. The administrative a	igent
Application Custam pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a betwork Deployment edition also includes a deployment manager for tight	igent y coupled
Application Custam pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a	igent y coupled
Application Custam pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a betwork Deployment edition also includes a deployment manager for tight	igent y coupled
Application Custom pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a betwork Deployment edition also includes a deployment manager for tight	igent y coupled
Application Custom pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a betwork Deployment edition also includes a deployment manager for tight	igent y coupled
Application Custam pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a betwork Deployment edition also includes a deployment manager for tight	igent y coupled
Application Custam pro Secure pro	server the xy (configuration-only) yrofile provides the server and services for tion servers on the same machine. The N	r managing multiple application server environments. The administrative a betwork Deployment edition also includes a deployment manager for tight	igent y coupled



Navigation : Deployment Manager > Next Server Type Selection Select the type of server to be created within this management profile O Administrative agent An administrative agent provides management capability for multiple stand-alone application servers. An administrative agent can manage only the application servers that exist within the same installation on one machine. Deployment manager A deployment manager provides management capability for multiple federated nodes. A deployment manager can manage nodes that span multiple systems and platforms. The nodes that are managed by a deployment manager can only be managed by a single deployment manager and must be federated to the cell of that deployment manager. 🔘 job manager A job manager provides management capability for multiple stand-alone application servers, administrative agents, and deployment managers. The job manager can manage nodes that span multiple systems and platforms. The nodes that are managed by one job manager also can be managed by other job managers. < Back Next > Cancel Navigation : Typical profile creation > Next l 🕀 **Profile Creation Options** 1 Choose the profile creation process that meets your needs. Pick the Typical option to allow the Profile Management Tool to assign a set of default configuration values to the profile. Pick the Advanced option to specify your own configuration values for the profile. Typical profile creation Create a deployment manager profile that uses default configuration settings. The Profile Management Tool assigns unique names to the profile, node, host, and cell. The tool also assigns unique port values. The administrative console will be installed and you can optionally select whether to enable administrative security. The tool might create a system service to run the deployment manager depending on the operating system of your machine and the privileges assigned to your user account. Note: Default personal certificates expire in one year. Select Advanced profile creation to create a personal certificate with a different expiration Advanced profile creation Create a deployment manager using default configuration settings or specify your own values for settings such as the location of the profile and names of the profile, node, host, and cell. You can assign your own port values. You can optionally choose whether to deploy the administrative console. You might have the option to run the deployment manager as a system service depending on the operating system of your machine and the privileges assigned to your user account.

< Back

Next >

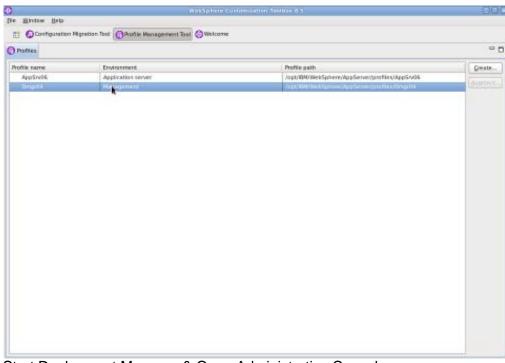
Cancel



Administrative Security	
6.0	
Choose whether to enable administrative security, administrative user is created in a repository within epositories.	To enable security, supply a user name and password for logging into administrative tools. This in the application server. After profile creation finishes, you can add more users, groups, or extern
Enable administrative security	
User name:	
admin Password:	
Fassword:	1
Confirm pessword:	*
see the information center for more information at view the online information center	bout administrative security.
avigation : Create	< Back Next > Cancel Binith
avigation . Create	Profile Management Tool 8.5
rofile Creation Summary	
eview the information in the summary for corrects	ness. If the information is correct, click Create to start creating a new profile. Click Back to chang
leview the information in the summary for corrects	
leview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana Server type: <u>Deployment manager</u>	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana- Server type: Deployment manager Location: /opt/BM/WebSphere/AppServer/prof	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana- Server type: <u>Deployment manager</u>	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana Server type: Deployment manager Location: /opt/BM/WebSphere/AppServer/prol Disk space required: 30 M8 Profile name: Dmgr04	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana- Server type: Deployment manager Location: /opt/BM/WebSphere/AppServer/prof Disk space required: 30 MB	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: /opt/IBM/WebSphere/AppServer/prof Disk space required: 30 M8 Profile name: Dmgr04 Make this profile the default: False	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: /opt/BM/WebSphere/AppServer/prof Disk space required: 30 MB Profile name: Dmgr04 Make this profile the default: False Cell name: ofss220367Cell01	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: /opt/IBM/WebSphere/AppServer/prof Disk space required: 30 M8 Profile name: Dmgr04 Make this profile the default: False	gement
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana- Server type: Deployment manager Location: /opt/BM/WebSphere/AppServer/prof Disk space required: 30 MB Profile name: Drigr04 Make this profile the default: False Cell name: ofss220367Cell01 Node name: ofss220367Cell01	gement files/Dmgr04
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: /opt/IBM/WebSphere/AppServer/prof Disk space required: 30 M8 Profile name: Dmgr04 Make this profile the default: False Cell name: ofss220367Cell01 Node name: ofss220367Cell01 Host name: ofss220367.in.oracle.com	gement files/Dmgr04 k
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: (pot/BM/WebSphere/AppServer/prof Disk space required: 30 MB Profile name: Ongr04 Make this profile the default: False Cell name: oftss220367CeII01 Mode name: oftss220367CeII01 Mode name: oftss220367CeII01 Mode name: oftss220367.in.oracle.com Deploy the administrative console (recomment	gement files/Dmgr04 k
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Mana- Server type: Deployment manager Location: /opt/IBM/WebSphere/AppServer/prof Disk space required: 30 MB Profile name: Dmgr04 Make this profile the default: False Cell name: ofss220367CeII01 Node name: ofss20067CeII01 Node name: ofss20	gement files/Dmgr04 k
leview the information in the summary for correct inlues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: Jopt/BM/WebSphere/AppServer/prof Disk space required: 30 MB Profile name: Drigr04 Make this profile the default: False Cell name: ofss220367Cell01 Node name: ofss220367Cell01 Node name: ofss220367Cell01 Node name: ofss220367Cell01 Node name: ofss220367.n.oracle.com Deploy the administrative console (recommended Administrative console port: 9061	gement files;/Dmgr04 k ded): True I): True
eview the information in the summary for correct alues on the previous panels. Application server environment to create: Manae Server type: Deployment manager Location: Jopt/BM/WebSphere/AppServer/prof Disk space required: 30 MB Profile name: Omgr04 Make this profile the default: False Cell name: ofss220367CeII01 Mode name: ofss220367.In.oracle.com Deploy the administrative console (recommended Administrative console port: 9061 Administrative console secure port: 9044 Deployment manager bootstrap port: 9809	gement files;/Dmgr04 k ded): True I): True
Application server environment to create: Mana- Server type: Deployment manager Location: /opt/IBM/WebSphere/AppServer/prof Disk space required: 30 M8 Profile name: Dmgr04 Make this profile the default: False Cell name: ofss220367Cell01 Node name: ofss220367Cell01 Node name: ofss220367Cell01 Most name: ofss220367Cell01 Most name: ofss220367Cell01 Deploy the administrative console (recommended Administrative console port: 9061 Administrative console secure port: 9044 Deployment manager bootstrap port: 9809 Deployment manager SOAP connector port: 88	gement files;/Dmgr04 k ded): True I): True

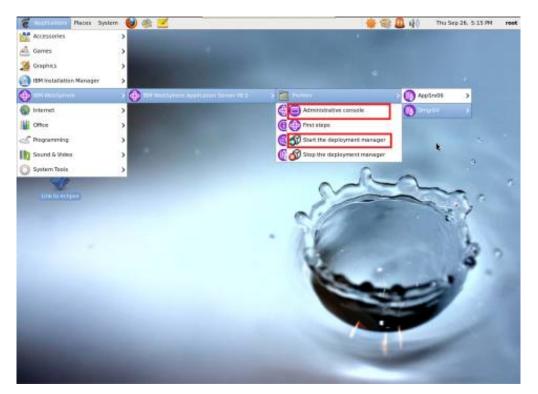


User Manual



Start Deployment Manager & Open Administrative Console

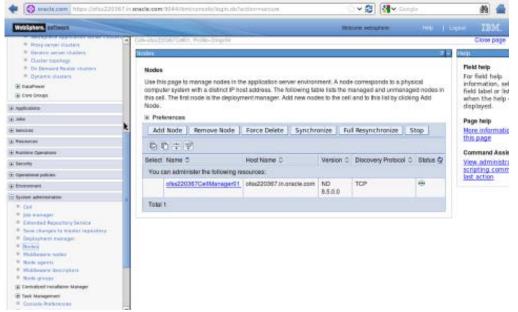
Navigation : IBM WebSphere > IBM WebSphere Application Server V8.5 > Profiles > Dmgr[i]>Start the deployment *manager* > *Administrative console*





Log into Deployment Manger Console

Navigation : System administration > Nodes > Add Node





4.2 Create Node

WebSphere. software Views All tasks . Close page + Guided Activities Use this page to add either a managed or an unmanaged node. (a) Servers
 (b) Applications
 (b) Jobs Managed node
Sector and the deployment managed node. A managed node contains an application server process that runs within the deployment manager cell.
The managed node is associated with a node agent process that maintains the configuration for the node and controls its operation. Choosing this
costion results in running the add node utility to federate an existing stand-stone application server. • Services Specifies the oreation of an unmanaged node. An unmanaged node represents a node in the topology that does not have an application server process or a node agent process. Unmanaged nodes are for other server processes, such as web servers that exist on their own node in the topology. Runtime Operations
 Security Decomp. Recover an axisting node Specifies to replace a damaged node in the cell. First, create a new profile to replace the damaged node and give it the same profile and node names. This use this option to replace the damaged node in the cell with the new node. Operational policies
 Environment System administration System administration
- Call
- Call
- Call
- Solution
- Dealer and the second s Next Cancel Users and Groups Monitoring and Tuning
 Troubleshooting E Service integration 1000 E

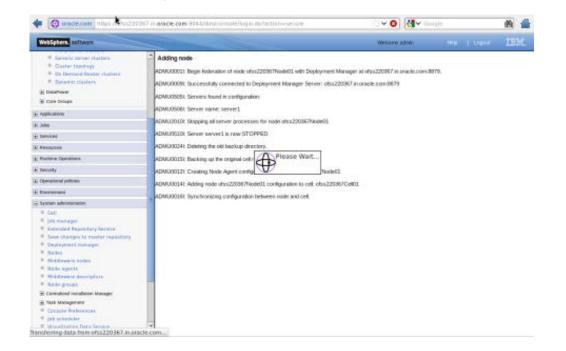
Navigation : System administration > Nodes > Add Node



Provide the following field information and Click 'OK'

Host	: Host Machine with running Application Server
JMX Connector type	: SOAP
JMX Connector Port	: SOAP_CONNECTOR_ADDRESS of Application Server
Application server user name	: Application server user id
Application server password	: Application server password
Deployment manager user name	: Deployment manager user id
Deployment manager password	: Deployment manager password

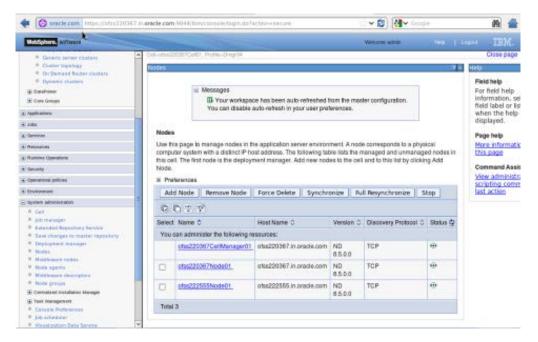
WebSphere, software	Welcome admin	
View: All tasks	Nodes	Close page
Walanne Wolanne Wolanne Souded Activities Servers Applications Job Souded Activities Job Souded Activities Soude	Add Menhand Node V V V V V V V V V V V V V V V V V V V	Help
Operational policies Environment	Application server user name redsphere	
B System administration Cull Submarked Reporting Service Extended Reporting Service Servic Anapaster generics Servic Anapaster Service Anapaster Notes generics Noted service Note service Cussels Proferences Vide Service Cussels Extension Vide Service Vide S	Copilination serve passion Copilination serve passion Copilination serve passion Copilination serve passion Copilination Copilination	
g: Users and Groups c: Monitoring and Tuning (c) Troubleshouting (c) Service integration (c) UDD1 (c) UDD1	DK Canoel	





· Generic server clusters	Cell-cluz22007Cel01, Prole-Cing/01									Close page	
Outre topology On Demand Reader shares Oynemic disters Dynamic disters	Rodes								Pleid help For field help		
E Care Groups		Use this page to manage nodes in the application server environment. A node corresponds to a physical computer system with a distinct IP host address. The following table lists the managed and unmanaged nodes in								information, set field label or int	
± Applications	this ce	ii. The first	tinode is the deploy							when the hel	
(4) Jobs	Node.									displayed.	
a mexican	ili Pre	ferences							_	Page help More information	
• Mesources	Ad	d Node	Remove Node	Force Delete	Synchr	onize Pi	all Resynchronize	Stop			
§ Russies Operations	101	00117							this page		
e skuly				HostName C		Manine O	Distance Destroy	a contraction	10	Command As	
Operational policies	part of the local division of the local divi	Select Name C				Version -	sion C Discovery Protocol C Status 🧟		0.26	View administ scripting com last action	
1 Presson	TOU	You can administer the following m attac20367Get Manager01		atss220367.in.orade.com ND			Lesson Les				
- System adversariation						ND 850.0	TCP	•			
 Get (s) manager Extended Resettany Service 		<u>oba220</u>	1367Node01	ofes220367.in.	nade.com	ND 8.5.0.0	тер	+			
 Enverchangen to matter impairborg Deployment manager Rockel 	Total	2									
Philippers make Note spects Modeware description Note groups											
E Certained Installation Manager											
Task Management Consider Instances											
 job scheduler 											
 Weakfaatoo bata Service 	*										

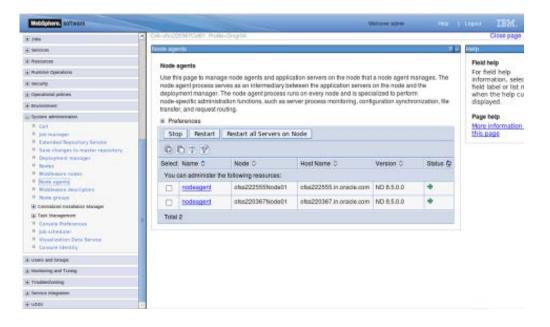
Create necessary number of nodes following same instructions above:





4.2.1 Start Node Agents

Navigation : System administration> Node agents>Restart





4.3 Create Cluster

Navigation: Servers>Clusters> WebSphere application server clusters > New

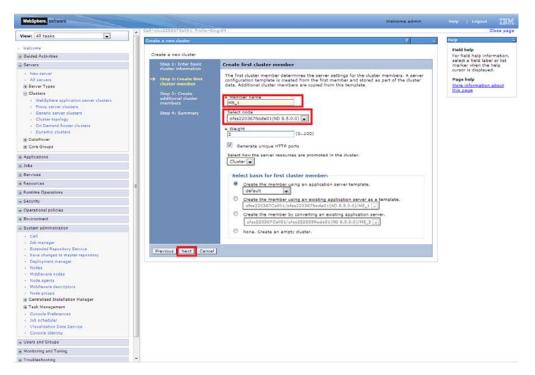
Concrete com mais /mbs22	1267358	arable.com.9044/ibm/console/high-de/faction=so	nine da Y 🕯	3) 🚮 🗸 Caogle	88 🔳
WebSphere attente			Wetany we	caughors and	1 tapet 10M.
View: National 10	1	Cell-ph/s220367Del01, Proller-Dengrid		0	Close page
Malcorna		eventiphere approation server classes			- Map
a) Guided Activities		WebSphere application server clusters			Field help
- Defeet		Use this page to change the configuration set			For Seld help information, sele
· New sector		application servers. If one of the member serve			field label or list
· All servers		Learn more about this task in a guided activity information about the topic.	A galded activity provides a satiol day	a steps and more general	when the help c displayed.
E Sancer Types Charlens		ik Prefarences			nahahan
 SketSohere application server ck. 	Terr	representation of the second second			Page help
· Pharp server thatters		New Delete Start Stop	Ripplestart ImmediateStop		More information this page
 Generic server clusters 	k	0012			Dis page
 Chatter translagg On Demand Raylor chatters 			1000 A.		Command Assist
· Oynamic starters		Select Name 0	Status 🕁		Vew administrat
(a) DataPreser		None			scripting comma last action
E Core Groups		Total 0			10000000000000000000000000000000000000
a Applications		Print Contractor			
el zelos					
1 Services					
E Resources					
al Runtime Operations					
E Generally					
Constituted policies					
t Crysomers					
i system administration					
A Uners and Groups					
+ stonboling and trailing					

Navigation : Uncheck [Prefer Local] > Next

WebSphere, software	Welcome admin	Help Logout IEI
View: All tasks	Cellmins220307Gel01. Profile=Dmgr04	Close pe
View: All tasks	Create a new cluster 2 -	Help
wielcome		Field help
E Guided Activities	Create a new duster	For field help information.
Serverx	Step 1: Enterbasic Enter basic cluster information	select a field label or list marker when the help
 New server 	chister information + Cluster name	cursor is displayed.
- All servers	Step 2: Create first CLUSTER_1	Page help
		More information about this page
E Clusters	Stop 3: Create additional cluster members	A CONTRACTOR OF A CONTRACTOR O
 WebSphere application server clusters Proxy server clusters 	members	
- Generic server clusters	Step 4: Summary	
 Cluster topology 		
 On Demand Router clusters 	Rext Cancel	
Dynamic clusters		
DataPower Core Groups		
Applications		
i Joba		
Services		
Resources		
Runtime Operations		
Security		
Operational policies		
Environment		
System administration		
· Cell		
- Job manager		
 Extended Repository Service 		
 Save changes to master repository 		
Deployment manager Nodes		
 Middleware nodes 		
 Node spents 		
 Middleware descriptors 		
 Node groups 		
Centralized Installation Manager		
E Task Management		
 Console Preferences 		
 Job scheduler 		
Visualization Data Service Console Identity		
Console Identity Users and Groups		
) Monitoring and Tuning		
E Troubleshooting	423	



4.3.1 Add Cluster Members

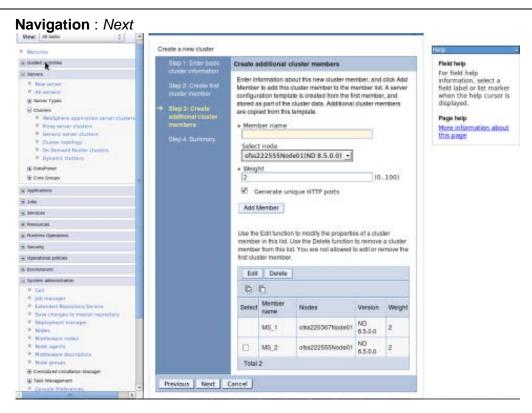


Add required number of cluster members

Navigation : *Add Member* > *Next*

windows win	Views All tasks	Call asfec 220367 Call01, Proliland	pagios					Close pa
■ General Section	1000 (Pri 1000)	Create a new cluster				2	Help	
Servity A Nor stary <td>Welcome</td> <td>Create a new duster</td> <td></td> <td></td> <td></td> <td></td> <td>For field hel</td> <td></td>	Welcome	Create a new duster					For field hel	
 Net starts All starts <	- Servera	Step 1: Enter basic	Create additional cluste	r members				
A depletations (a depletations) (a d	All server's as Server's year Server's year Verablyser signification server clusters Provy server clusters Custor starver	Step 21 Cruate first cluster member Step 3: Cruate additional cluster members	member to the member is member, and stored as pa from this template. • Member plate. • Member plate. • Member plate. • Member plate. • Weight 2	t. A server configuration tem tt of the cluster data. Addition (0100)	plate is created from	n the first	Page help More inform	
2.282 2.282 2. Samicano 2.	Management of the second se		and the second se					
E denices E denices <t< td=""><td></td><td></td><td>Add Member</td><td></td><td></td><td></td><td></td><td></td></t<>			Add Member					
E Resources E Resources E Resources Resources E R	1) Jobs		And the state of the set			2010/06/2010		
e Randima Oyaratsjona E Reacting E React	≟ Services		Use the Edit function to mi Delete function to remove	dify the properties of a dust a cluster member from this I	er member in this list. You are not allo	st. Use the wed to edit or		
L Baraman D Generation Statistics D Generation Statistics D Generation Statistics D Generation Statistics D S	a Resources		remove the first cluster me	imber.		4745-4758783-8754		
E Operational publication E Devinisment C Call C C C Call C Call C Call C Call C Call C C C Call C C Call C Call C C C Call C C C C C C C C C C C C C C C C C C C	Runtime Operations		Edit Delete					
E Operational solicies E Definitional solicies E Definitional solicies E Definitional solicies Solicies Angele Solicies Angele Solicies Angele Solicies Angele Solicies Angele Solicies Angele Maguard Angele Solicies Angele Maguard Angele Solicies Angele Maguard Angele Solicies An	A Security		D D					
Cancel Address NdE_1 of ss220267/tode01 ND 8.5.0.0 2 John Ansger Total 2 Total 2 Total 2 Total 2 Total 2 Total 2 Total 2	Operational policies					1		
Express and Antivityueises Total 1 John Kanagger Total 2 John Kanagger Express/Ref Resident / Samide Notes Koddsamer ander Statistication Dates Samite Koddsamer Tatis Margament Koddsamer Statistication Dates Samite Koddsamer Statistication Dates Samite Koddsamer	+ Environment							
C Canal C C C C C C C C C C C C C C C C C C C	🗟 Systam administration			ofss220367Node01	ND 8.5.0.0	2		
ji Usara and Groups	John maagar Lotander Angels to master resolutory Souch changes to master resolutory Notes Notes	Previous Reat Cence	1					
	Console Identity							
(Manitoring and Tuning) Users and Groups							
	Monitoring and Tuning							



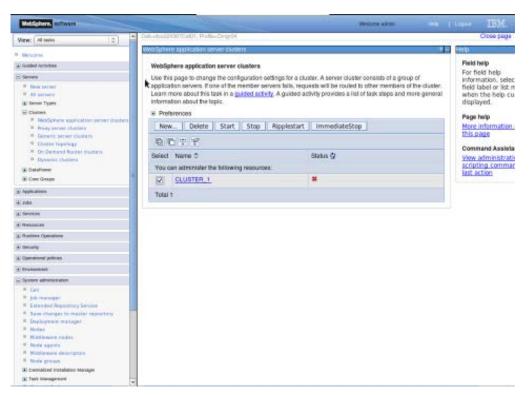


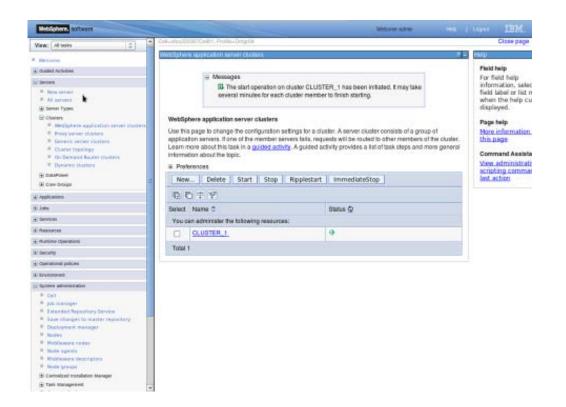
Navigation : Finish

Ving Alises	Cell-UNIS220187Cell01, Phillippi	Drigt04		Ciose pa
	Create a new cluster		37	- Help
Thursda				Field help
t Duilid Activities	Create a new cluster			For field help
- Several	Step 1: Enterbasia	Summary		information, select a field label or list marker
P All servers	clanier information	Company of anti-		when the help cursor is
(a) Server Types	Slap 2: Create Intil	Summary of actions:	NO20254	displayed.
Chates	duster member	Options	Values	Page help
 WebSphere application server clusters Drarg server clusters 	Ship 3: Create	Cluster Name	CLUSTER_1	Nore information about
= Generic selver student	add Barnin cluster	Core Group	DefaultCoreGroup	this page
 Ouster tapology 	members	Node group	DefaultNodeGroup	
De Dereuget Rocker clusters Overamic clusters	-> Step 4: Sommary	Preter local	toise	
a Tatabase		Configure HTTP session		
H Care Gringe		memory-to-memory replication	taine	
E ablication		Server name	MS 1	
t zake		Note	obs/220367Node/01(ND 8.5.0.0)	
4 Sentem		Weight	2	
E Assesses		and the second se		
± Martine Operations		Cione Template	default	
A: Security A: Operational policies		Clone Basis	Create the member using an application server template.	
		Select how the server		
t System administration		resources are promoted in the cluster.	cluster	
 Call Jub manager 		Generate unique HTTP ports	tue	
Extended Repairtury Service Save charges to reacter reportance		Server name	M5.2	
· Deptsyment reininger		Node	etss220367Node01(ND 8.5.0.0)	
 Nales Niddeware voice 		Weight	2	
Hade agents				
· Middeware descriptors		Clone Template	Version 8.5 member template	
* Note groups		Generale unique HTTP ports	true	
Controlized metabation startager Grave Management		haip		



4.3.2 Start Cluster

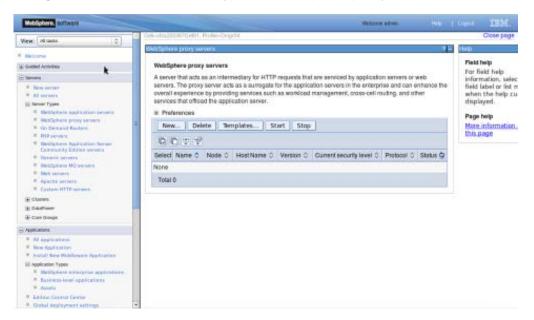






4.4 Create Proxy Server

Navigation : Servers > Server Types > WebSphere proxy servers > New



Navigation : [Select appropriate Node] > Next

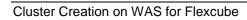
WebSphere, software			Welcome admin	
View: All tasks	Callesfee220367 Call01, Profiles	percent states a		Close page
	Create a new Proxy server ent	N		Help
welcome	Create a new proxy server.			Field help
E Guided Activities				For field help information, select a field label or list
- Servera	→ Step 1: Select a node	Select a node		marker when the help cursor is displayed.
 New server All server All server All server All server All server All servers WebSohne sprop servers WebSohne sprop servers Or Orman Kopters WebSohne Application Server Community Editors servers Genetic servers WebSohne MQ servers WebSohne MQ servers Aptable servers 	Income State 21: Spacify server specify experites. Bite 31: Select a server the server the server specifies. Days 41: Confirm new server.	Select a mode that corresponds to the Proxy server you mant to add. Select mode (rfs2225350000405)) * Jerror Nerre proxy_server_1		curaer la displayes, .
Cluster topology On Demand Review clusters Dynamic clusters Dynamic clusters Gorgeners Gorgeners Applications				
+ Joba				
E Services				
Resources				
E Runtime Operationa				
e Security				
Operational policies				
Environment				
System administration				
Cell Job manager Job manager Estanded Repository Service Size changes to matter reputitory Coployment manager Noble				



User Manual

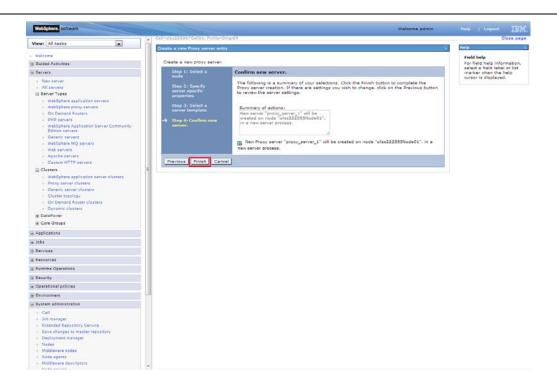
WebSphere, software		Welcome admin welp Logool. [12])
	Call+ofer220367 Call01, Prifile=Disgr04	Close pag
Views All tasks	Create a new Proxy server entry	Help
Welcome		Field help
± Guided Activities	Create a new proxy server.	For field help information,
Servers	Step 11 Select a Specify server specific properties	select a field label or list marker when the help
New server	node Specify server specific properties	cursor is displayed.
- All servers	Step 2: Specify	
E Server Types	server specific Supported protocols	
 WebSphere application servera 		
WebSphere proxy servers On Demand Routers	Step 3: Select a server tamplate	
On Demand Routers PHP servers	Step 4: Confirm new	
WebSphare Application Server Community Edition servers	server.	
Generic servers	Previous Next Cancel	
 WebSphere MQ servers 		
 Wab servers 		
Apache servers Custom HTTP servers		
Clusters		
WebSphere application server clusters		
Websprief application server clusters Proxy server clusters		
Generic server clusters		
 Cluster topology 		
 On Demand Router clusters 		
 Oynamic clusters 		
E DataPower		
Core Groups		
Applications		
4) Jaba		
± Services		
E Resources		
Runtime Operations		
± Security		
Operational policies		
• Environment		
System administration		
• Cell		
 Job manager 		
Extended Repository Service		
Save changes to master repository		
 Deployment manager 		
- Nodes		
 Nodes Middleware nodes Node spents 		

View: All tasks	Cell-stas220367Cell01, Profile=0	ng/94	Close pa
	Create a new Proxy server entr	x	Halp
Walcome			Field help
j Guided Activities	Create a new proxy server.		For field help information, select a field label or list
E Servers	Step 1: Select a	Select a server template	marker when the help
Newserver	node	Select the template that best specifies the attributes of the server you wish to create.	cursor is displayed.
+ All servers	Step 2: Specify	processing to additional descent concession of an annual sector of a data and a a	
Server Types	server specific properties	7 9	
 WebSphere application servers 		Select Name Type Describe the purpose of this template	
 WebSphere proxy servers 	Step 3: Select a server template	and the second se	
On Demand Routers		proxy_server_foundation System The WebSphere Default Proxy Server Template	
PHP servers WebSphere Application Server Community Edition servers	Step 4: Confirm new server.		
Generic servers	Previous Next Cance		
 WebSphere MQ servers 	Cance		
 Web servers 			
 Apache servers 			
 Custom HTTP servers 			
E Clusters	E		
 WebSphere application server clusters 	11		
 Proxy server clusters 			
 Generic server clusters 			
Cluster topology			
On Demand Router clusters Ovnamic clusters			
Dynamic clusters DataPower			
Core Groups			
E Applications			
E John			
a Services			
E Resources			
Runtime Operations			
E Security			
e) Operational policies			
Environment	1.38		
System administration			
+ Cell			
- Job manager			
Estended Repository Service			
 Save changes to master repository 			
 Deployment manager 			
Nodes			
Middleware nodes			
Node agenta Middleware descriptors			
 Micclevare descriptors 	*		

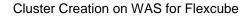




User Manual



	Wetter advent were Logent 12024
Views All tests	
	Messages
and the second s	S New server is created successfully.
1 Guild Activities	Modify variables, resources, and other server configuration settings, such as message broker
C Denes	queue names before running the newly created server.
* Newserver	Changes have been made to your local configuration. You can:
 All servers 	 Save directly to the master configuration.
Liji Server Types	 Review changes before saving or discarding.
 WebSphere opplication servers WebSphere proxy servers 	
Con Demand Restars	An option to synchronize the configuration across multiple nodes after assing can be enabled in
# DRP servers	Preferences.
 WebSphere Application Server Community Editors servers 	A The server may need to be restarted for these changes to take effect
Centris servers	
 WebSphere HQ servers. 	WebSphere praxy servers
 Web servers Assults servers 	A server that acts as an intermediary for HTTP requests that are serviced by application servers or web servers. The proxy server acts
 Guttom HTTP servers. 	A server that sets as an intermetary for HL (Prequests that are serviced by approach nervers) or we servers, the proxy server sets surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workload management, store-sell routing, and other services that official the application server.
Custom HTTPsenses General	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell routing, and other services that official the application server.
 Custon HTTP servers Closer Disarbase 	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell routing, and other services that official the application server. If: Proferences
Custon HTTP servers Custon HTTP servers Custon HTTP servers Custon Region Custon Design	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell routing, and other services that official the application server.
 Custon ITTP americ Conten Dearwaw Care dosps Spectrators 	surrogale for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell rouring, and other services that official the application server. If Profesores New Delete Templates Start Stop
Cutorn HTTP server Conserve Conserve Conserve Conserve Conserve Conserve Augustations Augustations	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell routing, and other services that official the application server. 또 Preferences New Delete Templates Start Stop
 Custon HTTP americ Conten Disartowe Custo biogo - replication 	surrogale for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell rouring, and other services that official the application server. If Profesores New Delete Templates Start Stop
Contents HTTP servers (c) Cleaners Contents	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workloat management, cross-cell routing, and other services that official the application server. 또 Preferences New Delete Templates Start Stop
Custom HTTP senses Custom HTTP senses Sourcess Sourcess Application Nov Application Nov Application Sourcess Sourcess Sourcess Sourcess Sourcess Sourcess	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workload management, cross-cell routing, and other services that officed the application server. 또 Preferences New Delete Templates Start Stop 및 C 부 양 Server Name © Node © HostName © Version © Current security level © Protocol © Statu You can administer the following resources:
Cutoter HTTP servers Cutoter HTTP servers Cutoter Servers Cutoter Servers Cutoter Servers Againation Anaplication Anaplication Anaplication Anaplication Anaplication Anaplication Anaplication	surrogate for the application servers in the enterprise and can enhance the overall experience by providing services such as workload management, cross-cell routing, and other services that officed the application server. If Preferences New Delete Templates Start Stop 은 C 부 양 Select Name C Node C HostName C Version C Current security level C Protocol C Statu You can administer the following resources:
Custor HTTP servers Custors HTTP servers Custors Cust	surrogate for the application serveral in the enterprise and can enhance the overall experience by providing services such as workload management, cross-cell routing, and other services that official the application server. If Proferences New Delete Templates Start Street Name C You can administer the following resources:





4.4.1 Start Proxy Server

Management and works							abovia aver	n ; ;		
View All Inchis	B	Collected and the second								dire sege
Carlot Contraction	101	And distance process service						1	line in	
metane		Makiphere provy a							Field help	15. T. S. S. H. L.
E Outer Arrivers				ATTY requests that are served	an a	and success of the local				algorithm waters
- Sever		as a surrogate for P	a application servers	in the anterprise and tart and and other pervoes that offic	harris the ex-	shall appartance by provide	ing services	and as	marker of	leid lebel or lat. Are Par hely displayed.
- New annual		G Destacances								
 All serves Elector Tunes 		The second se	Terralatet. 20	10000					Page hel	CRAMER ADDRESS
· metaghers and locate service	all	and place to be added by the local	Terpres. 23	1 104					12-6.4141	
· mittariers prove anyweit		8877							Comman	Assettance
· Do Deltand Random		paled takes 5	Bode C	Hold Tarley C	Transmitted the	Current results find 2	-	minis As	view.adm	inistration .
PHP assisted		and the state of t			1100000	Constant and the C	Constant A	and at	4040	and the last
 Methylane Application Der Editor samers 	ve Contracto	passing	the following research					l an -		
 Denaric services 		(V) anno antin	area22228Theore	11 afaa220347.in.anada.oor	8558	Their appellability	OTTS, MP	- 種		
 melo@state.bit_perverp 		7000 2								
 And particular 										
 Apache servers Cercen all'TR servers 		-								
	12									
E CPRIMA	100000	1								
 Investment september sets 	OF DUTES .									
 Prove periver chatters 										
 Generic server therees Cherter topolicy 										
On Demand Kowter charges										
 Denetic cluster 										
a Datal total										
R Core Group										
E Assistant										
6.381										
e Jose 2 Dervices										
é Kasturdar										
a Autome Operations										
a decimi										
e domanini pohoni										
E Durnmert	1									
- Byetan administration										
0.00										
This martinger										
1. Research Reporting Review										
1. East charges to reactor terms	itery .									
 Exployeen manager 										
- Pastan										
Multifamate ender										
1 Note agents										
 Moldana's dascriptors 		345								

Metophere entrans					Become	-		IBM.
View: Attasks	Coll-state22	COOTGeR01, Profile	Drigit4				C	con page
Deleren	Woo Sphere	re proxy servers						
a Gusteri Antonian		- Marine and						
- Incom			sages	100000000000000000000000000000000000000	2577772	1928 CONTRACTOR	and the second	
· Dem server				ode01.proxy_server_1 starte unent server status. <u>View JV</u>			id to be	
E Server Types								
 NetSphare application servers 	Web5p	shere proxy serv	ara					
 Bethaliese proxy servers 	Assess	or that arts at an	intermediate for UTTP	requests that are serviced by	o anni cation	services or web services. T	he new sec	and the first state
* On Destand Restore				erprise and can enhance the				
THE servers THE servers THE Servers				vices that official the applica				
Community Edition servers	100000	erences	(1216)*(1216)*(1216)	NEST 2010-0522 (D. 1997) D				
· General terviers	= P10	erences						
# MeXteriore HQ servers	Nov	v Delete	Templates 5t	art Stop				
 Neb tervers. 	The second	-						
Apache servers Cattam HTTP servers	63	0.0.2						
Catlett HTIP stress	Select	Name C	Note C	Host Name C	Version C	Current security level C	Protocol C	Status /
S DataPower	Your	an administer the	following resources:					
(K) Care Groups	0	proxy_server_1	etss220367Node01	otes220367.in.oracle.com	ND 850.0	Not applicable	HTTP, SIP	٠
- Appleating	1 10000							
 Al applications 	Total	4						
	A							
# Ben Application								
* Events New Problem Application								
 Forcal Ann Richman Application Application Types 								
 Protection Problems Application Application Types NetOptions enterprise applications 								
 Forcal Ann Richman Application Application Types 								
Vestal Ave Riddewer Application Application Types Multiphere enterprise applications Business level applications								



4.5 Configure Virtual Host

Make a note of "WC_defaulthost"/"WS_defaulthost_secure" port for server MS1 : 9081/9444

■ Prove mile ■ Non-rest ■ All serves ■ All serves ■ All serves	Antophane Autokia		-	A CONTRACT OF A			Welcome admin	Half Lagrad
National Name Notice Name <th>View All testes</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Does p</th>	View All testes							Does p
Bit State		-						
Service Barene intervention <			11.6.6					
Intervention Interventin Interventin I			Igned		awledt is freid tabel or ka			
Intervent			i Wateronce					marker oben the help over is the level.
Image: Second			Des	Datata				
Image: Section of Section Sectin Section Section Section Section Section Section Sectio								mere information about
Interfactors provide			R	0 2 2				20.004
• And Server 1 • And Server 2 • And			faint	Detriana 0	Print C	Out 10	Transport Data is C	
 And Antices Market Answer Market Answer Anticasti Market Anti				and the second	1000.8	and the second	Concentration at	
Construction C			THE .	and the second	14	Taxa 2		
• Mathema NG servers • Mathema NG servers • Mathema NG servers • Address servers • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions upperson server therew • Mathema NG servers • Mathema NG servers • Mathema Upperson server therew • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Constructions • Mathema NG servers • Mathema NG servers • Mathema NG servers • Mathema NG servers • Mathema NG servers • Servers </td <td>Relation annound</td> <td></td> <td>- 11</td> <td>Inc. online Theat Line Line</td> <td>10</td> <td>pass</td> <td></td> <td></td>	Relation annound		- 11	Inc. online Theat Line Line	10	pass		
Control function EC. Extended and and * BC4 EC. Extended and and Control function For administration BC2. Extended and and * BC4 Extended and Control function For administration BC2. Extended and and * BC4 Extended and Control function For administration BC2. Extended and and * BC4 Extended and and Control function For administration BC4. Extended and and * BC4 Extended and and Control function Extended and and and and and and and and and an	 Makilahara Wilj sarvara 		6	UC defectives	*	9083	decrementated the second	
	 Courses HTTP services 		=	UC ADDRESS AND T		8043		
Convertigation Converti	 Multipliers application server character Ency server character 		8	InC. administration	+.:	9062		
a Constraint a Mail and According States - a Mail additional states a Constraint a Mail and According States + State States a Mail a Mail and According States + State States a Mail a Mail and According States + State States a Mail a Mail and According States + State States a Mail According States - All and According States * State States a Mail According States - All and According States * State States a Mail According States - All and According States * States States a Mail According States - All and According States * States States a Mail According States - - States	 Characterization 		1	BOAR COMMETCH ALEARNE	eto220387.in.srada.ors	8541		
Additional State Additional State * 5042 Researched Additional State * 5042 Researched State Researched Additional State * 5042 Researched State Researched Conserved Additional State * 7079 Researched Additional State * 1052 Researched State Researched Additional State * 7079 Researched State Researched Additional State * 1052 Researched State Researched Additional State Researched * 11529 State Researched State Researched Researched * 11529 State Researched State Researched Researched * 11529 State Researched State Researched Researched <td< td=""><td>a OutsPoiner</td><td></td><td>1</td><td>ELS DIMESTORY DICLAR</td><td>*</td><td>8043</td><td>Vien electricitetet Standoorts</td><td></td></td<>	a OutsPoiner		1	ELS DIMESTORY DICLAR	*	8043	Vien electricitetet Standoorts	
A definition Addition Bit in field Column (Column) Bit in field Column) A definition Bit in field Column) Bit in field Column) Bit in field Column) Columnine (Column) Bit in field Column) Bit in field Column) Bit in field Column) Columnine (Column) Bit in field Column) Addition Pice in field Column) Demonstrate Bit in field Column) Pice in field Column) Pice in field Column) Demonstrate Bit in field Column) Pice in field Column) Pice in field Column) Demonstrate Bit in field Column) Pice in field Column) Pice in field Column) Standard Province Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate Bit in field Column) Pice Column) Pice Column) Demonstrate <td></td> <td></td> <td>10</td> <td>SER DEFAULTHOST</td> <td>+</td> <td>5042</td> <td>man appointed</td> <td></td>			10	SER DEFAULTHOST	+	5042	man appointed	
Interview If the definition of the control of the c	i destinations	1	-	and a second second			EXCRUDIN	
C Marinero Restaurent Restaurent Restaurent Restaurent C Marinero Restaurent Restaurent Restaurent Restaurent C Marinero Restaurent Restaurent Restaurent Restaurent C Marinero Restaurent Restaurent Restaurent D Marinero Restaurent Restaurent <t< td=""><td>3/64</td><td></td><td>-</td><td>THE MO DESCRIPTION OF A DESCRIPTION</td><td>*</td><td>10755</td><td>The second second</td><td></td></t<>	3/64		-	THE MO DESCRIPTION OF A DESCRIPTION	*	10755	The second second	
Construction C	u flanvious		-			1000		
Constrained Spectration	E Paraura			the set of	14	1000	100	
Coperating patrices International pa			-	THE NO INCIDENT ACCORD		3109	Sanaparta	
Conservation Conservation Conservation Conservation Conservation Conservation Conservation Conservation Conservation Conservation <td< td=""><td>Emonths .</td><td></td><td>-</td><td>AND DESCRIPTION OF THE POSTOR</td><td>*</td><td>2122</td><td>VALUE AND ADDRESS OF</td><td></td></td<>	Emonths .		-	AND DESCRIPTION OF THE POSTOR	*	2122	VALUE AND ADDRESS OF	
Construction of the second secon	E Operational politikes		10	HE INCLUSION ADDRESS		1000		
Constant of the second se	Destruction	1.20	-	THE INCOMENT ADDRESS		10.24	View executated	
All and A	Commission administration		9	and a second sec		1212	Owwoods .	
Description of the matrix methods Construction management Construction management Construction management Construction	- Adv manager		-		vin 220367 Jr. analy. are	8467		
 Interview of the second se second second sec	 State designs to mercer sporticity Diployment or seager 			CONSULT SOF LITTING ADDRESS	+	L1009		
Cade agente Barrage 1	- Malazzara malaz A Rada Aparte		0	OVEN-AV TOP LISTENES ADDRESS	80 80	010	No accordated transports	
 Mail succession In DRE LITTLER ADDRESS who 200307 July and succession BIT Sin descentation 	· Hiddlauers description		- 24	CHE LOTTINES ADDRESS	after 200347 Jos at males same	*112	The associated	

Make a note of "WC_defaulthost"/"WS_defaulthost_secure" for MS2 : 9082/9445

Activities software						Weiczene admin		
Annual Call Annual Call	191.0	d office	2020 Cartol, Decile Deprint				-	Core pa
West All todat	- 111 C	(Ariana	n 14740			1	- Netz	
Malanta -	211						Parts	linely.
E Ovidet Automes			water service > MD_2 > Parts the TOV/TP parts this server uses for come	ri seu			Fort	field help information
2 ferrers			Annual Contro Deris Con Server sing für Contra	CPOPE.			19440	et a Kald Jahal or list our phone the help.
 New Interest 		-					10.78	er is singlayed.
< All second								e help
E Zwiew Types		12	617				The second	Linformation admost
 Meddydwie Apphiatiwn ywrywru Meddydwie ywsag geniwen 		Innt	Part Aarne Q	Hell C	No C	Transport Details ()		
· Do Destand Reserve			an administration the following resources:		1.00.8			
· THE second		-	Vic. data literat annua	14.2	8448	view expected at		
 Intellighten Application Daries Community Edition partient 		10	and the second se			Managorta		
 Denini palvata 		-	VC. defections	+0	9082	Very excepted		
· Belliphere PCC Learners		11.	Also, STATISTICS		THE	Transports		
 State annumer Apparature annumer 		_						
 Counter HTTP servers 			VC. ADDEVIGIT AND/IN	D	1046	THE RECEIPTS		
S Outen	1.4	_				1 Constitution		
 Inshiphera application server character 		11	10C. adminibut	*	9963	transauts		
 Drong samat chapters Genatic pervar chapters 		2.5				10000000000000000000000000000000000000		
 Occupation (See 		13	ADAD COMMETTER ADDAMES	ofas220387.3e.anada.com	8842	the exceptional transports		
 Kin Demand Reuter disutants 						Campbon		
· Deramic chatters		11	THE DEPARTMENT DECKS	*	3043	Ver. associated		
B Catalogue						transports		
		17	STR DRAWTHOUT	+	5064	Ver allocated		
E Applications					12.2	transauth		
E yes		171	SIE NO DIRPORT SECURE ADDRESS		1500	View exercised		
is Carviosa		1				intrastite.		
), Farrieres		11	ALS NO EXCRACT ADDRESS	14 C	1942	View associated		
S. Kardina Operation		14	STREET BACKSTONES CO			THE REPORT		
1. Rendry		-	IN INCOMING ADDRESS		7268	Ver exampled		
a daranter ad car		1	ALL DESCRIPTION OF ALL DESCRIPTION		1000	transports		
C Excension	100	-	CALIFORNIA AND AND AND AND AND AND AND AND AND AN	**	7219	A DESCRIPTION OF THE OWNER		
- Serier administration		11	STR. AND POINT, ADDINAVE		1.00	THE RECORD		
Call		-	All and the state of the lower lower to the state of the		#104	and the second s		
a Arts manager		12	SAS SOL SERVERANTH LICTURE ADDRESS	ofse230367. is a rack com	9410	No associated Anamagurite		
 Benerical Page energy Sarving 		-						
 Geve changes to maintai reproducty Deployment memorar 		13	SHALLY SET SETTING RESIDE	<u>*</u>	10011	No. assessation transports		
- Produl						and the second second		
+ Philippineter holder		11	CHRUNT TON LITTING ACCASE	2	11032	No executed transports		
 Hode system 						Control of		
- Philipping designation		11	ONE LITTERE HOORISS	oftestation? in practic com-	9503	the appropriated		



4.5.1 Virtual Host Setup

Holdphere, activate		metava apro- tele trans III
Mathematical Million and	Shinkard and the shine of the state	000 202
i Matsaman Matsaman Laparta sanan	Aread Histor	3 A Mar.
- Carrier ATTE servers © Clurters	Vetaal Mosts bee this page to meets a virtual host offinal unique set of web array execution multiple hast medicines. Both virtual both has a topical no	es perfe. Such a configuration late a single front martine time and a bit of pre-sur more densitie suries states (200) esponsible.
 Matellanten application satisat electron; Remy satisat electron; 	allasas by which it is interve-	surtar is displayed.
 Ranarie sanvar elsenerii Choner mentape 	New- Delete	Page help Mare information about the area
 De Benand Preservisener Denanie charges 	形ですず	Command Resistance
ig Danafrour ig Danafrour	Jaleri Nama 2	View interferences of the last accuracy interference for last actus
k Auplicideu	The are administened a following measurem:	
L Mrs	m admin.teat	
a Services	E Attact Soft	
- Tantan	E manufact	
Conservation accesses Conservations Conservations Conservations framework Conservations framework Conservations framework Conservations framework Conservations Con		
e trouty		
- Berginnar		
Virgi Kezzi		

Navigation : *Environment>Virtual hosts>proxy_host*

Navigation : Host Aliases

Addition without	THEATS ADDR	
Biddynam Mg, annun Bahr annun	Construction of the second and	Oroso page Padd hadp For fully hadp information, which is had in the form matching of the form the fully hadpen for Page hadp More information should bits answe
a Application	A PROPERTY AND A PROPERTY	
1. Julia	App) OS Please Cancer	
i, farvinar		
- fasterin		
Totalian Comparison Com		
 general obtained 		
E. Garretovi policias		
Encourage		
Venation		



Navigation : Environment>Virtual hosts>proxy_host>Host Aliases > New

	Committee (Contraction of the Contraction of the			8.	
Kines Altanto at	Writed Horns			- Ferry	
- Watcome	Ortaal Husta > arony, hand > Hast Alasara			Facilitatie	
E Daries Avenues		air name system (DHD) alias by which the virtual hast is a	cere.	For field help inform select a field label 1	HADRAN .
2 fervers	g Palerana			manoer when the he remain is displaced.	Mo.
 max parket 	Bath- Dalate			Page bala	
- All servers a Server Typed	tendened behavior			More information at	ind .
2 Chinese	0017	//		this page	
(i) Dolaffrom	Belatt Host Harne C	Reft C		Command Resistant View extransionline	
E Cons Ordens	1014			acidona isnemand	for last
& Applications	100 0			Arthur	
1) John					
i farvisa					
E Passana					
L Farmer Destations					
y anormy					
y Becolvy 3) Convertional policies 1) Non-Verticat					
 Commission profession 					
Operational policies Schortmann Schortmann Construction					
E) Connectional problem () Non-mathem) - Versy Hotory) - Versy Hotory) - Versy Hotory - Versy Hotory					
E Connectional potenti Se Neuroscientiani - Series Johnson - Series Johnson - Series Johnson - Series Johnson - Series Johnson - Series Johnson - Series - Se					
Scherenkond policies Scherenkond Scherenkon Scher					
E Connectional policies Section structures - structure for the connection of the connection - section of the connection - section of the connection - difference of the connection - dif					

Create New Alias for default port in managed server << 9081>>:

The second second	Subara attai	
Mean (48 tests	presedutivitient references	Con juga
Annument	Constructions Construc	Field help Fire Stall help For Stall help in the sector of the median when the help curves in the statement. Hype help State and constitute about both and of
e fancaire 1: Fanime Courseire	* Cont Hanning Mananaga aminta andreanaga pengenang	
y Becoling 3. Committeed private	Auto (Kenet) Concel	
in Englishing		
- Virial Party - Virial - Virial Party - Virial - Virial		
a Svinam administration		
) United and Groups.		
C Meetening and Tuelog		
g: Trevelophening		
L flarvice imageneter		
HUDDE		
a favirs inspector		



Participant Colours		Ustania atria	Ants A tournt I IIIM
View (41 tasks	Service and Const. Party Sept. 1		dan rep
	Original Heads		- Fala
 Morant Activities Servers Servers 	a Preferences	we are show $\left(2M2\right)$ alone by which the velocit hand in Section .	Field help Par Kald help Internation, beliet a help totel ar list matter share the help output is deplayed.
- All services	tes. Dates		Page help
E Tarve Tares 8 Chates	007P		Nora information about
e bases	Select must have to	PM 0	Command Assistance
E Carle Oriospi	hou can administer the following reasources:		View addressessing and the last
A) Applications	B (1	#281.	84000
1.244	149.1		- Include the
() Earston	2 THE A		
E FARGUERE			
B Rantime Operations			
a becurty			
y Gamediand Jackson			
in Environment			
Verhaldness Verhaldne			
2. Rystee administration			
Filozofia seq durante			
+ Uses and Grada 3) Michael and Tamey			
The second se			
) Mentioning and Tastey			

Similarly create proxy alias for all cluster related server default ports

Many 48 tasks	Cerves/220410421, Palla-Deg/H		Cites pa					
View (41 teste	Orneal Havin							
Educed Activities	Virtualitata + provy. Kost + Post Alasen Une bits union to with preside, or delete a dorr	Natural listed a " general-boat" > Next Alesses Los bies ange to with context, or debies a descript source system (DM2) alons by which the robat heat's Source.						
Jaryan K	a Preferences							
 Nan annun Mittanun 	ten. Delete		cursor to depreyed.					
EleverTow	BBTP		Note information about					
E Chatero	A LOW CONTRACTOR		the same					
# Dathermen	Zelest (Host Dame C	Pert Q	Command Availation View address Availables					
R. Crist Groups	You can administer the following resources:		anistical revealed for last					
- Applications		4045	ADO					
244+	E 1	Read						
C Barcinas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4342						
E RADOLADAR								
Factors Oparations	(B) =	2442						
(Tech-Wy	Tutal 4							
Convertional policies	0.07070.0		-					
+ Whithkern								
United plate test constant day at particulation subtraction strategy subtract to particulation subtract to particulation subtract to particulation units Testing Standing								
- Wellingson conclusion Standitionals Standitionals Page 2017 Specification material Page 2017 Specification material Standing ZODD boodle expensioning								
- metallysise controller Shared Sources Sife and Sources Sife and Source Control Page 2 and control of the sources Sources Sources Sources Sources Sources Sources								
- websites success - websites success - successory - succ								
- mediatalam esta alam - siturat laboran - siturat laboran - tradiciono distante - tradiciono distante - siturat - Stantage - Stantage								
- metallaken suurcher - metallaken suurcher - Stan kuljosenen - Stan kuljosenen - Markagene olimikung - Markagene olimikung - Markagene - Markagene								

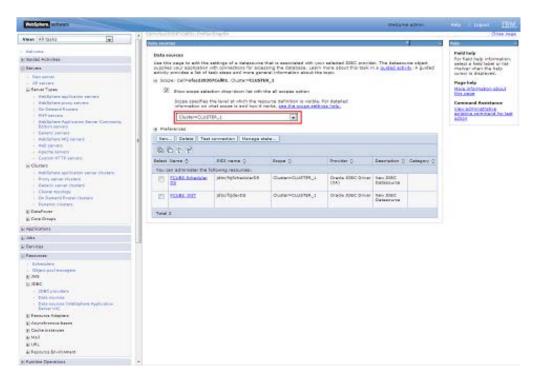


5. Create Resources in Cluster Scope

JDBC Provider :

	 Complete state of the state of			Close sag
View All Intela	Transformations		100 V 10	-
Additions Contrast Assessment - Main sprind - Main sprind - Main sprind - Statistical Stream spring rear and any - Dia Stream Stream - Dia Stream Stream - Statistical Stream Stream - Statistical Stream S	309C periodian International program and properties of participants of the access to access to access of the second second second second Transver. Contracting 2000 Cells. INTERNATIONAL Second second second second Decomposition of the first second Decomposition for the first	a list of teak steps and more general infor	normandi. Latere mune ablaci (na latit in a <u>puder)</u> manico ablaci (Na topic	Web Finish body For halo solg information, waters in the bad in the time time to the bad in time time taken price. Page halo Open halo solg information information in the bad in the time taken price. Page halo Open halo solg information information information information information in the bad in the
BODOI parvera	a Patrona			
 Barrell, servers Bidoplane Mg servers 	have Dates			
- Pail (mysel)				
· Applicate conversion	BOT Y	1000000000000	A STATISTICS AND A STATISTICS	
S Dates	Select Norre 🗠	Scope 👙	Description 1	
 Industries application pervertisation 	You say administer the following :	Banarama .	and the second second	
 Writing previoe chapters 	m Orade.100C.0mar	Cluster+CLUSTER_5	Orgide 3060 Driver	
Denonc server charbon Charbon scollegy Charbon scollegy	E Grade.3000.0004(104)	Chaner+CLUEPER, 5	Oracle 3080 Oniver (RA)	
Designed charges Designeer Designeer Designeer	Total 2			
Automotion				
e July I	1.0			
n Barrison				
 Charlenger Honsteinen 2000 				
Will Remarkation Delymonethese				

Datasource :



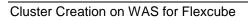


Queue Connection Factory

Milichers activari							Walnuma ad non	
Control and a second behavior of the second se		Queran A core parted a for g	on only control to a second and the second s	 Is used to context context Kellini - Charter-Kuthfüh Invalid at which the resolution of some is and here it was 		Centra Just	N 3	Come : Textual balan Panda balan Pandad pana antioanana panana antioanana panana antioananana Pandada Pa
Apphantana		12	6 T V					
a Adra		Talant	tiene ()	2000 marrier ()	Presider ()	Gaserphics ()	Reque ()	
Service		Yes	an administer the fa	Fording resourced)				
Fauristas		25	Emailet	feader	WebSphare MQ messaging phonder		GunereQ.0(188_)	
 References Object and exceptor ANC 	1		12.221	NC.QON	Neldphare MD messaging provider		Curren Currin, 1	
Destination Destination Destination Destination Destination Destination Destination		8	NCEDCE	HEROCT	watering provide		Ourser+Out/TB_1	
- General - Tanina - Tanina		1	historeoz	PedlyDealQCP	Webdahare IPQ Webdahare IPQ		Curler-Culiffit,1	
p mec		Tena	÷ .				- 10	
 Benname Adapters Dependention Ream California Ream California Statistical Ream Statistical Ream Statistical Ream 								
Functions Department								
Security								
Company and an								
Exiterat								
 Tyrtae sale saturae Cali Sati seconde Tarrier Departure Second Tarrier Departure Second 								

JMS Queue:

Notichers, without							THERE ADAM			
Y Per press	191.1		In the second				A COMPANY OF THE OWNER.		0000.00	
 Indeplace Application Device Continuity Relation services 	1							-		
 Barrato sarvara Barrato MC sarvara 		Dumm						Paidle		
 Make services 				ation for point to paint man	acino.			For Seld	help information field lated or list	
Apacha servera			ce. Cell-eferganoorcelle					110-5007	when the help	
 Exution HTTP pervets 		17.5		A STATE OF A					displayant.	
R Outers		1.0	Devision and a selection of	op-down list with the all acce	New appliers			Dage he		
 Matighes agriculture server planters Trony server planters 			Scope specifies the level information on what an	d M which the restarts definite is and how it rends	roon is varble. For deta	aled .		this peo	eventor about	
 damatic server therein Choner monitory On Damant Reserve charactery 			Charles-Cultrin_1		1					
 Denamic characteristics 		10.7%	daraman							
& DataFrance		have	1 Defeta							
20 Cirra Ornatia		-								
- Applications		- 63	0 # 12				2020/02/201			
a beta		94/403	1914.2	- UNDERRATED CO-	P0+0+1	D40010004 0	30098-0			
- Serviced		Neur	ten administer the following	reservement -			Contraction of the second			
		121	152,152,00.0	BMB_INQUBUR	Webdighere HQ		Chatter+CLUSTER_1			
- Fauroreau						messaging provider				
Coldent prod managers	6									
D.WE		. 12.	the purposes	sea_curqueus	Weidphere HQ messaging provider		Chaler+CLURTER_S			
 2000 precident 					0.00000000000					
· Destation lasters		-	HER DANK	104_QURUE	Weidahere HQ		Chatter+CLUSTER_1			
 Special constraints for the second sec		10	TAX. ADDIS		messaging provider		COMPANY COMPANY			
Dener										
Tapper		100	HOR DURINE DUG	PDE_QUEUE_DLQ	Weblahers HQ		Chuster+CLUSTER_1			
· Arrivation approximation		100	ERRORATIO		messaging provider		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
E.XeC										
E fanores falgrans		1.00	HER CORD ARTICLES	REALQUART ARROWS	Watelphane HQ		Chater+CLUTTER_1			
 Anyreferminin baama Caultar instances 					mestaging provider					
R Mad										
N URL	18	0	SERVE TIMO YEAR	HIGTLPY_DERT_QUEUE	Weldphare MQ messaging provider		Chatters CLUETER_1			
a Resource Bruncoment					Laurah & Louise					
Romma Operations		10	SOTORY GUILT	HOTHPY_QUELE	Westphere IFQ	NOTIFY QUELE	Chusters Could TRAL			
Techny					nestaging provider					
Conventional policies				The second second			1			
Entrantant		10	sotory outst out	HOTIPLOWINE.OLD	WebSphere MD messaging provider		Chatter=CLUETER_A			
System educationspine					10.000000000					
. 00		Telef								
 Altimetape 										
 Emerated Report tory Generation Gauss Heatings in manner reproductly. 	-									





Create Message Listeners for individual Servers in Cluster

Navigation : *Middleware servers* > *MS*_1 > *Message listener service* > *Listener Ports*

And a state of the	NO.	No. of Concession, Name				ROUTE .		tignt III
Viewer (48 tasks	Trent and	201410401, Pallar D	terit.				Tester .	Con page
Advance Opend Activities Servers - Net server - Mannerr - Mannerr - Scharen - Charen	Biolife Date D Constant S. Pres Lines	ware servers > HS_1 to page to configure to door factory and 245 c ferences	P Bernand Referent serv denix ande vann skich ledination that a messi Bing Convert to activ	vienseperativen besta toten for m oprictiven been, declared egenetit	nnager. Tadi peri specifier het cort, latere scori	64.70	Field No Par Kalo Delect 3 maximum curlint 1 Page No	i hala information, hold tobal on list shan the help a displayed. do
e Datafisiel e Cire Oroest	10000	iteris d	Overview 5	Connection feature (MO1 name ()	Gestivation 2000 name (5	Partie (2	View ad	nd Assistance
(Applications)	7. Wassing	an advertised the full				1.1.1.1.1.1.1	8000	conversed for last
264	23	Emails Lunxies!	Endly, Utterer	Ewild	EHS_BIQUEUE	•		
Review	D	EPERAL MEDINE	Entroit, Listerer	enuq.	PROCESSION .			
Rescurses .	10	TER LATENET	MOR USSIN	MOROCH	MOR, QUILLE			
 schedulery Others peel mainpace 		Stational Latence	NORTH DE LUTATION	her/reargor	south/jones	+		
 JAS providers Conversion Resolution 	1	1700 U/N+H		harfybeingch	KTQ2_QUBUB	+		
Operation of the second s	10	print Lateries		surfyceargor	swo_queus	+		
Operation		6						
Ramma Opatations								
Security								
Countreal policine								
Definitional Version products version products version products version products version products version version version version version								

Navigation : Middleware servers > MS_2 > Message listener service > Listener Ports

Religion of sur					444.00	The school			
Verer (44 tests		CONTRACTOR II, Postar-D	tarit.				100	-	1.000.04
Industrie Oncod Activities Services - Management - Management - Schwartman - Schwar	a ter	ware servers * HS_2 Is server to cardigore to teor factors and 245 c ferences	* Desarge References denies gente upper visio legitination stati a magi dispol Genvant to act	eberargendriven beans beten far re spendriven been, depleyed eperint i	het dert. Referie iden		Page 1 Rage 1 Ra	ad halp only only a hold local r share the h to desperied help test and Assista	ado alo
E. Crist Group1	Visit of	an advertised the fail-					80.000	LUCTOR	fer last
1. Applications	23	Erratio Lateral		Engle!	ENS, INCLUDE		1.000		
Chief	D.	aneout useres	EntroyLutterer	eneod'	ENS, OUTQUELE				
- Rency scale	1.1	-	a president a second		and the second second				
+ bibeckey	12	NCB LINENED		NORDO	ves"óneos	•			
- Others profeeringent		ISOTOTRAL LABOR		#08/streampow	INCTORY_QUELS.				
 B. 249 IAS providers Conversion Resolution 	10	STOR Universit		exert/orextice	RT00_QUEUR	+			
Oneux connection Sectorial Topic connection Rectanue	10	print Laneter		soshowager	Intel Crank				
Objected Object According approximates Sector	Tope								
Li Ramma Opaciationa									
i Security									
Committeed printers									
Environment Voorse plotst heek monet plog in toolgeste on voorse plotst heek monet plog in toolgeste on voorse plotst heek monet plotst									
 Shand Orabes. St# statutes routes 	-								



6. Deploy Application to Cluster

..... inter software 0 View: All tests options for installing + Golded Activities 2 Seven Map modules to se 🗄 AppAcammi Specify targets such as application servers or clusters of application servers where you want to install the modules your application. Nodules can be installed on the same application server or dispersed among several application specify the Vest servers as langeds that serve as sociates for mouses to this application. The program configuration the each Web server is generated, based on the applications that are routed through. All applications
Hole Applications
Install New Phile p (); Map dubra to serve U spitation types ^{II} Bestigtens enterprise a ^{II} Bestigtens-level application ^{II} Assets Clusters and servers Apply THE LOCK 6220367Cel01.Node=ofx222555N00e01.server= Editori Control Center
 Elabel Appleyment settings 0.0 B John Select Module URI Server ± benices FCJGeneralEJB.jar.META WebSphere.coli=otss25067Celi01.node=atss2255
 NFejb-jar.aml A Records · Rutline Complote FCJSMS.jar.META-WebSphere cell-otss220367Cell01 node-otss22256 FCJSMS.pr INF/o(b-jar.xml it security FCJBatch jat META-INF/ejb-jat xml WebSphere cell=shs220367Cell01.nc to Operational publicant FCJBatch jar A BEVOORBARD FCJBcheduler ler META-WebSphere:cell-obs220367Cell01.node-obs22255 A Spreen adverses a day FCJScheduler.jar INF/ejb-jar.ami H terms and torouge RevCubeCorporate RCJNooWob.war,WEB-WebSphere.coll=oks220367Cell01.rode=oks22256 A literature and Torang Traditisticity ious Next Cancel 4. Service integration 4

While deploying ensure the application is installed to Cluster

Start FCUBS application

Methodana achuran	Contraction of the second s	University advice	tata (Laguet 1995
All lasts at	00+4011010104011+2040104044		Cose and
A control A control	The inflation may reach to be network The inflation PCUBER as a series of The collection may reach to be network The collection may reach to be network Extension Applications Loss this page to manage installed applications. A single is inflationaria: The inflation install, series and collections. A single is inflationaria: The inflation install, series and collections. A single is inflationaria.	$\Omega_{1,2}$ and under detail20001Thuile01 whether accompluty, the detail of the second status of the second status manufactor $\Omega_{1,2}$ (ITR)_i.	Field way Field way Note to field here information, water that field and information matched when the table into the field field Mark and the Constant Annual Mark and the Constant Annual Mark and the Annual Mark and the Constant Annual Mark and the Annual Mark and the field Annual Mark and the field Annu
E Ma	C C T P	providence and a	
C Tarylons	Relati (Sarra ()	Applanter Bates 💆	
Fautoria	Too can administer the following resources:		
Random Canadalant	Z Colline	•	
Tarwiny .	Total 3		
Commissional postcome			
Encourage .			
Tyitak demotytai			
Users and Groups			
Montoining and Turing			
Tepublications			
San ins integrabilit			
UDDC			



6.1.1 Test the application

Make a note of the ports *PROXY_HTTPS_ADDRESS/PROXY_HTTP_ADDRESS* to access the application.

Antonia anti-					matoria admin	
Week All tasks		traction sumpting as				CHER
	and the second second					
Martine .	Mobdoharo cesso anevera * arcaiz, anever, 1.* Parta					Field help For Said help information
Durani Autorian		Aparifias the TCD/12 points this server uses for constantions.				
_ Servers	2.74	(www.ces				marker when the help remote to displayed.
 Mendative Alt servers 	Lines. Online					Page help
S Sever Typer	0.0 * *					Manuta information, along
 webbohare application service 					EVEL-RIGH	
 Notice phase processing 	production of	Potrare C	HOR C	For C	Transport Oxfails ()	
 Chi Destand Rauben PhD statement 	CYBR 2	en edminister the following resources:				
 Babbahara Apabaalan Darvar Community Editor pervect 		RECTURATE SECTION	after 22 20047 Januare de Janet	9813	the executive of the supports	
Operand periods NotSchere MD servers Mod servers	10	CANG AR, MUTUHUNUTH URTERN ANDRESS	SALE PERSON Provide com	0	the associated	
 Appliche recyere Excess HTTP servers 	0	CENC 30, SCRICKATH LISTING, ACCRES	afta 200567 in oracle.com	0	Ins associated transports	
E Cares E Care Grage	5	DER LANCART MOARES	13	8937	Manual Association of Manual Associatio of Manual Association of Manual Association of M	
	100	DAR CURIT HOOMES	+12	7874	No executed	
Automa					transports	
 All sparticities Tran Application Terrar Tran Multimate Application 	8	INC. CONNECTOR, ADDRESS	locaPhiet	1626	Its associated	1
Application Types Meldiphere energine applications Reserved from applications	6	000.407048.4254808	sha22007 in crack core	0	Till associated transporte	
Annes Address Exercit Cartain	8	DARLAY TOP LITTERS ADDRESS	•)	11014	The associated transports	
Adva	-	DVERLAY CON LOWING ADDRESS	10	11018	The associated transports	
340-044	-		-	-	and the second	
Farmer	0	REDRY ATTRS ADDRESS		440	View according	
Rantone Dorrellore				1997		
farsey	13	DADAY HTTP MODALE	2	40	View assessment	
Conventional publicies		Tomore includes			and the second s	
Duissesair	0	PAGEN AND ACCOUNT	20	3041	View exceptional transports	
Rysteen administration		and the second s	•		Concernance of the local division of the loc	
a usen set George	10	RECT/ SIF ACCRESS	18	2990	View addition of the second se	
Monitoring and Tuning	-	ENG SEL SERVERAUTH LIETENER ADDRESS	whee201047-in-oracle.com	0	Int associated	
el Troubhashroomp	0	the same and the second s	Contraction of Contraction	-	transports	
a Sarvira integration		ROAD COMMETTER ADDRESS	after 2212347 in consults on ex-	4911	The association	
	10 I I I I I I I I I I I I I I I I I I I	NAME AND ADDRESS OF A DESCRIPTION OF A D				

Navigation : Servers > Server Types > WebSphere proxy servers > [proxy_server_1] > Ports

Launch Application:



URL : http://<host>:<PROXY_HTTP_ADDRESS>/FCJNeoWeb or https://<host>:<PROXY_HTTPS_ADDRESS>/FCJNeoWeb





ORACLE

FCUBS_Cluster_Creation_WAS8.5 [December] [2015] Version 12.1.0.0.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2007, 2015, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

