Oracle Banking Virtual Account Management
Annexure

Release 14.3.0.0.0

Part No. F18410-01

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ORACLE

Oracle Banking Virtual Account Management Annexure
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Version 14.3.0.0.0

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
https://www.oracle.com/industries/financial-services/index.html

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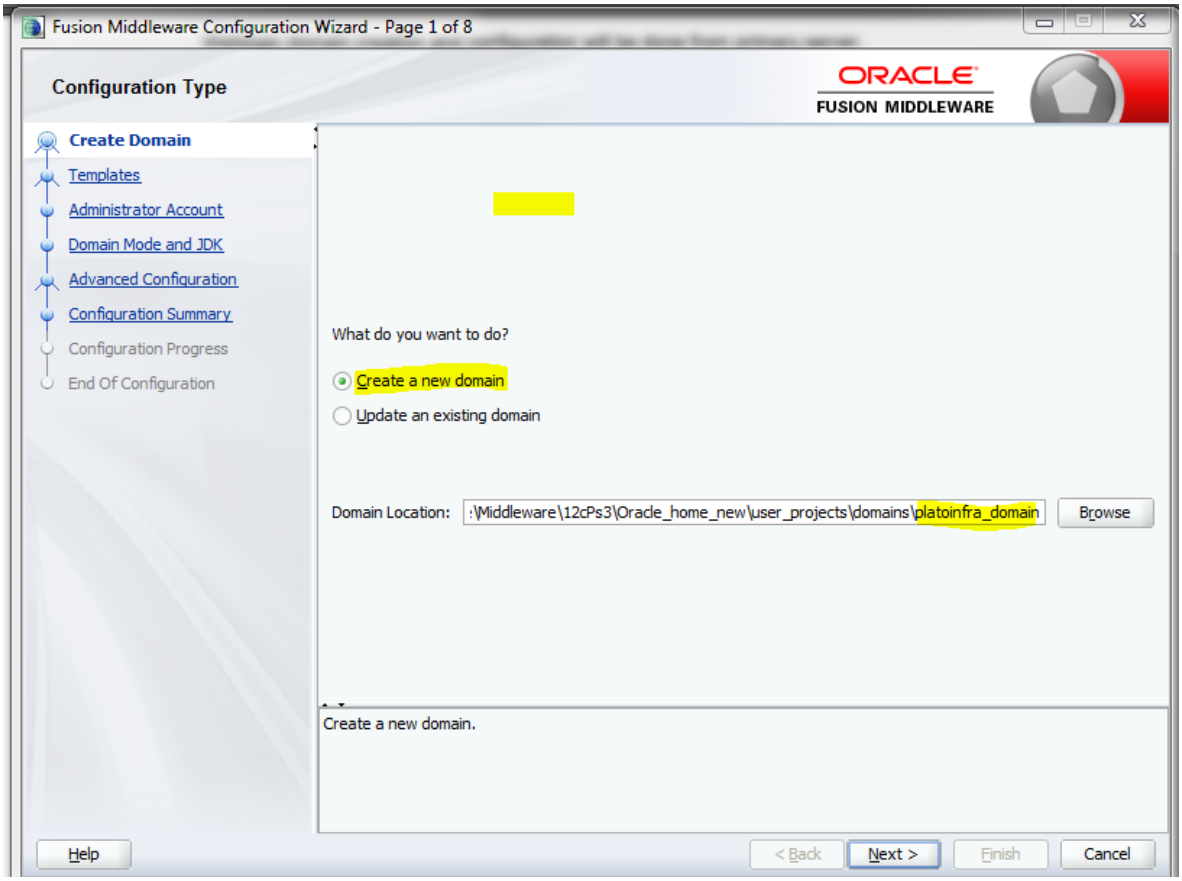
1. Annexure

This documents is supporting document, while installing OBVAM application you may find reference.

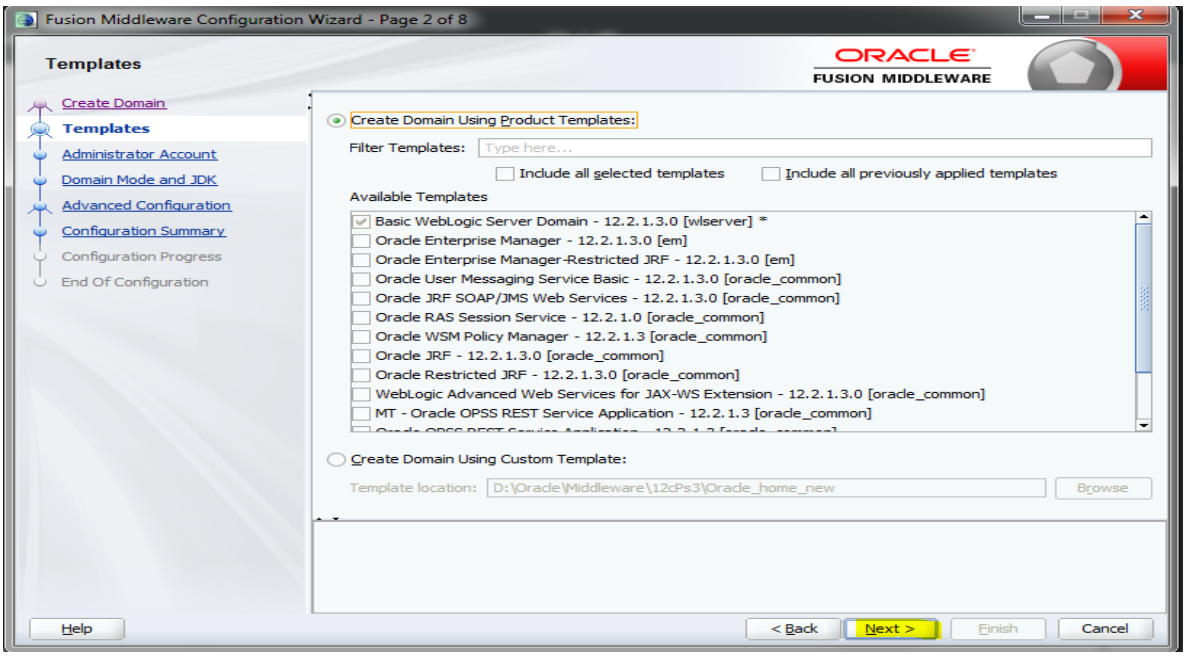
1.1 Creating Domain and Cluster Configuration

[Note: Name need not to be same as provided in Screenshot.]

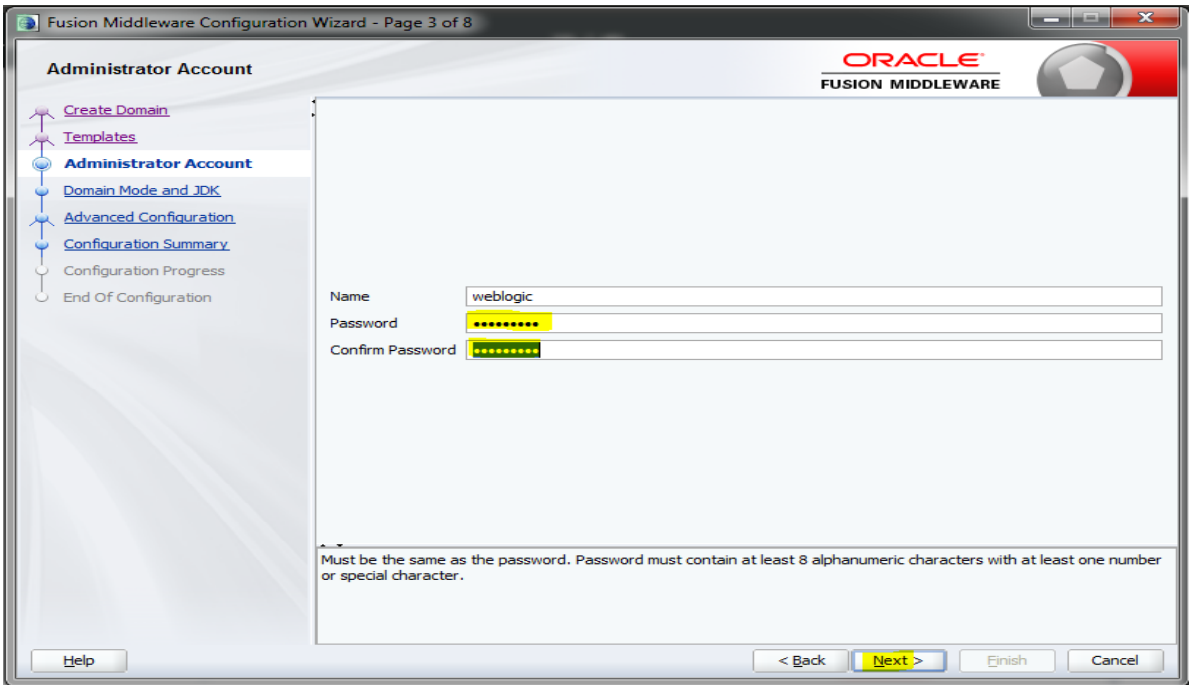
1. Go to */oracle_common/common/bin* and run config.cmd (or .sh if operating system is linux) and below the below screen shots to create domain with required cluster and server configurations.
2. Select **Create a new domain** and **provide domain name**. Example: "**platoinfra_domain**"



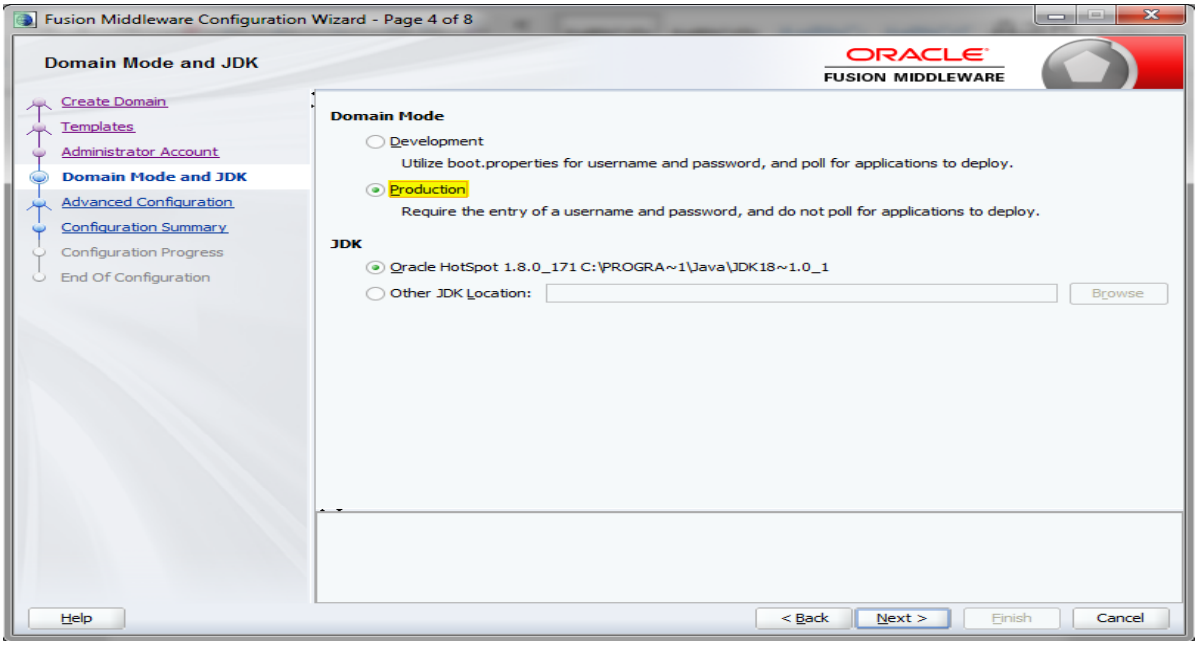
3. Click **next** to create simple domain with default templates.



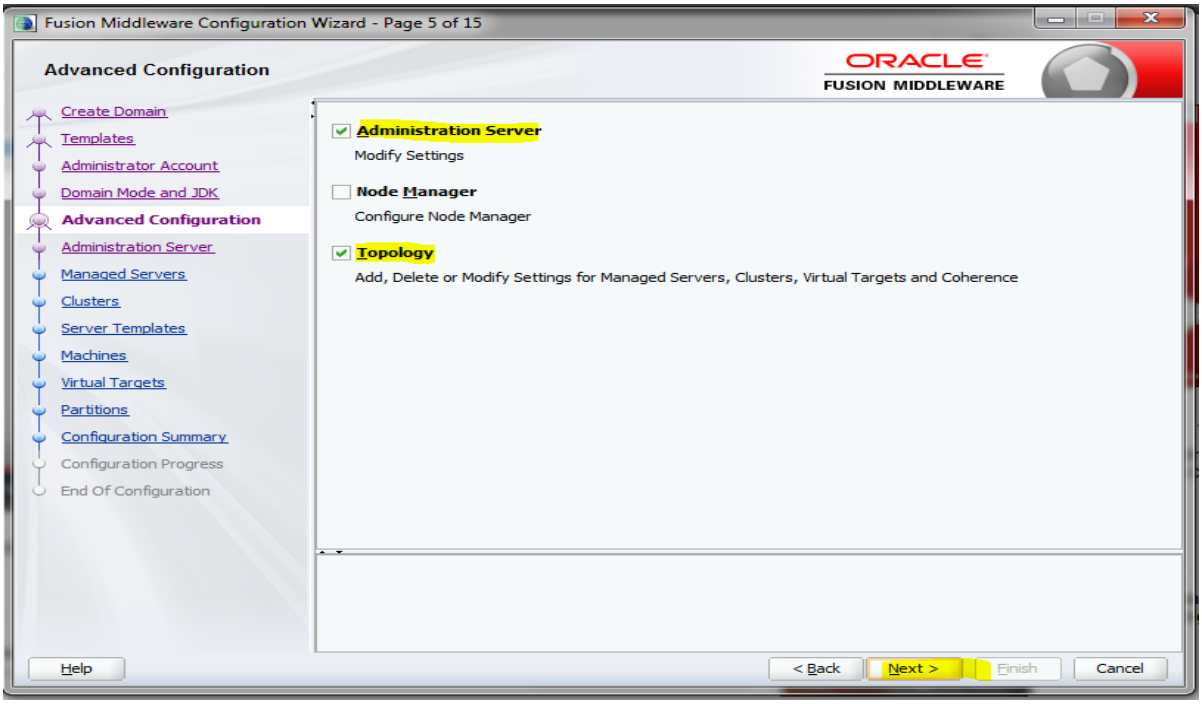
4. Set password and confirm, click **next** to proceed.



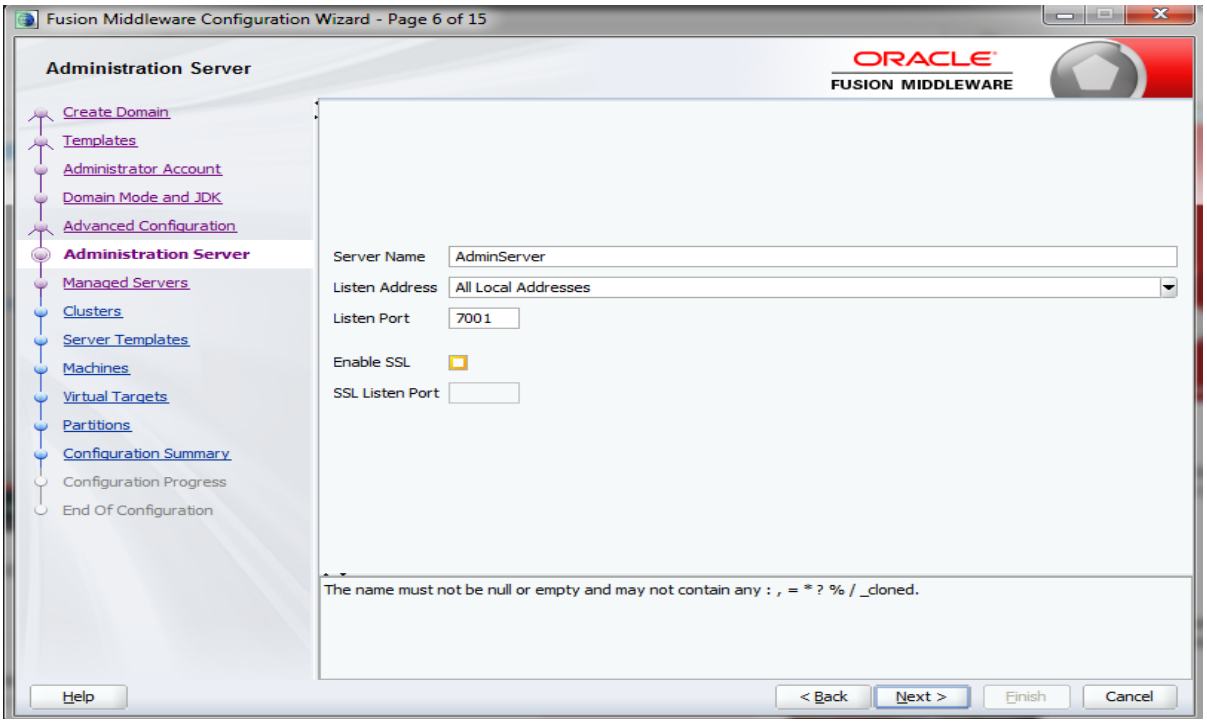
5. Select Domain mode as **Production** and select **jdk**.



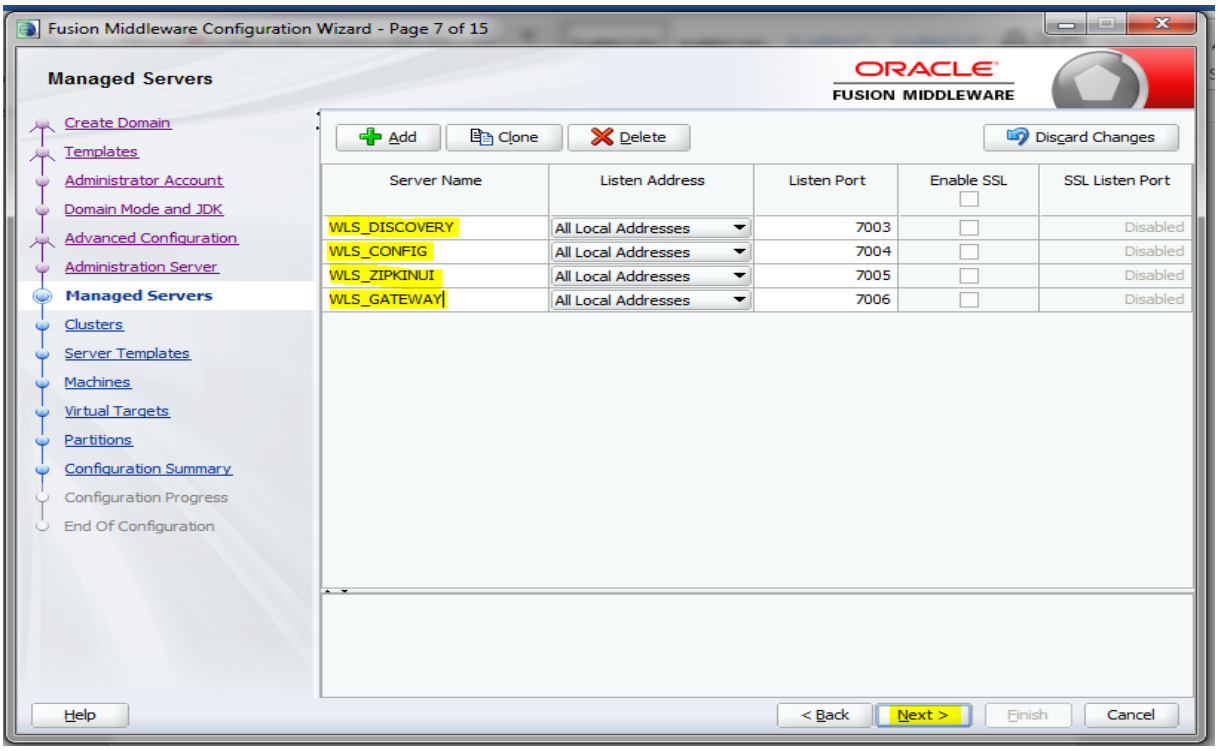
6. Select **Administration Server** and **Topology** in advanced configurations.



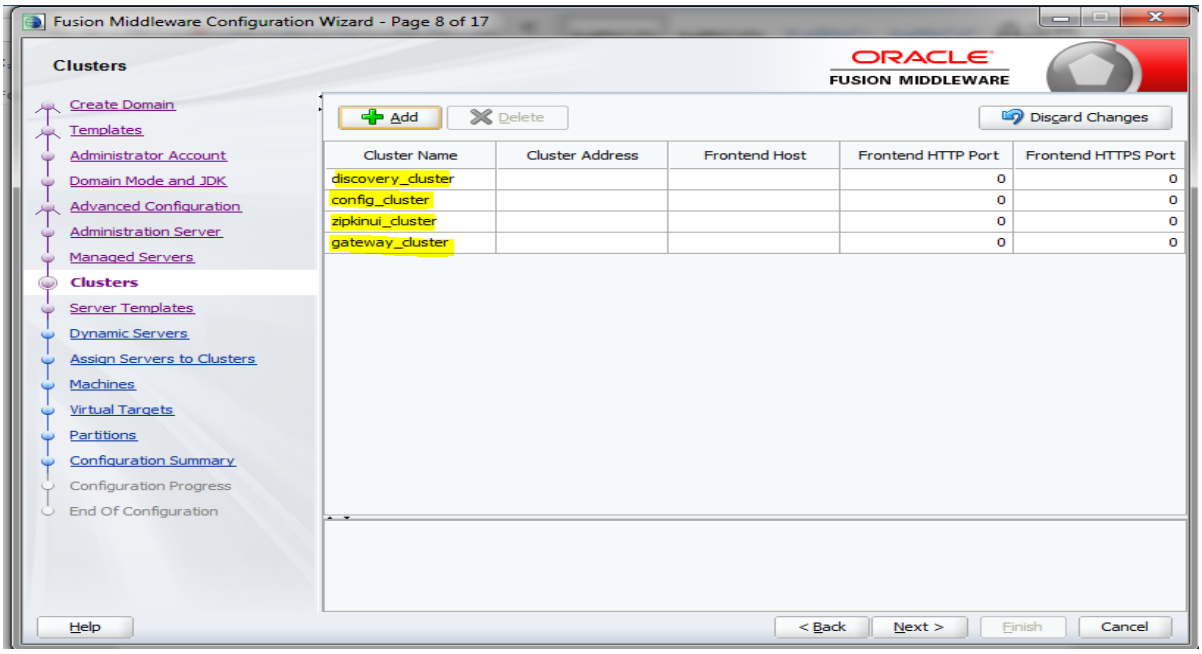
7. Edit the **port** and **host** configurations as required and click **next**.



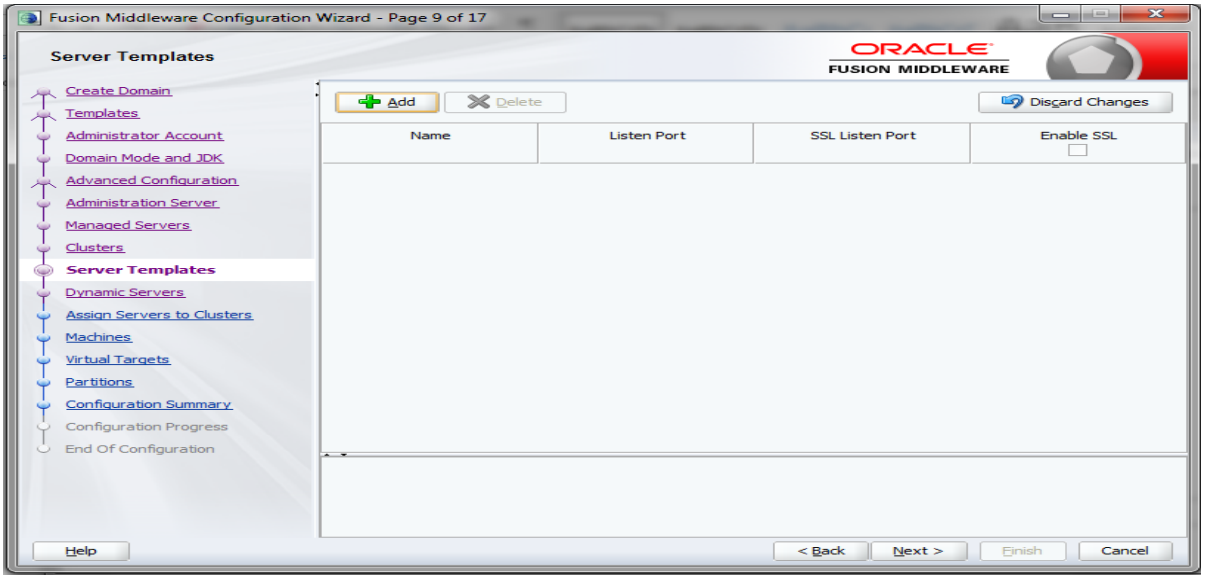
8. Add managed servers **and provide meaningful name**, edit listen address and port as required. Example: **WLS_DISCOVERY, WLS_CONFIG, WLS_ZIPKINUI, WLS_GATEWAY**.



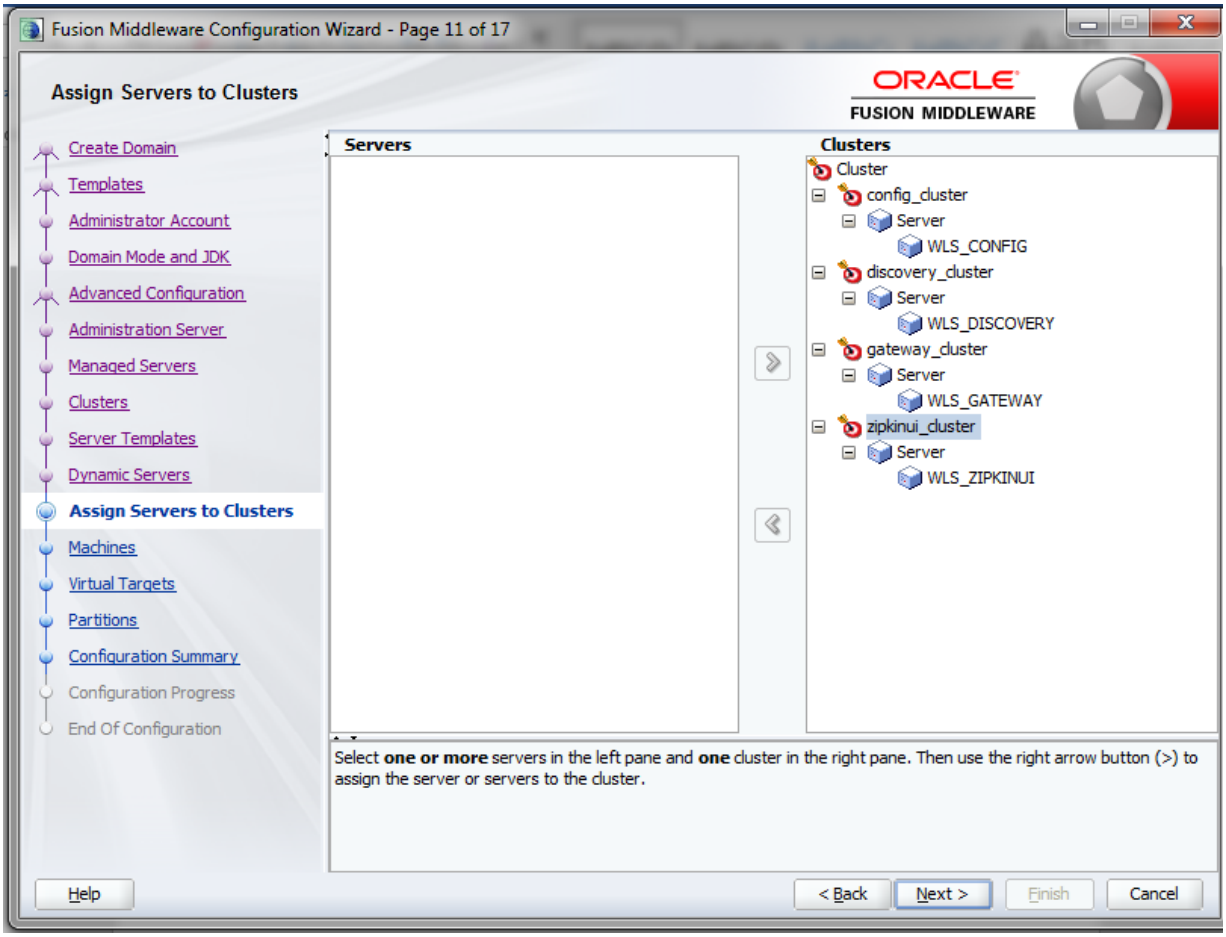
9. Add 4 clusters one for each **managed servers**, name the clusters as ‘discovery_cluster, config_cluster, zipkinui_cluster, gateway_cluster’.



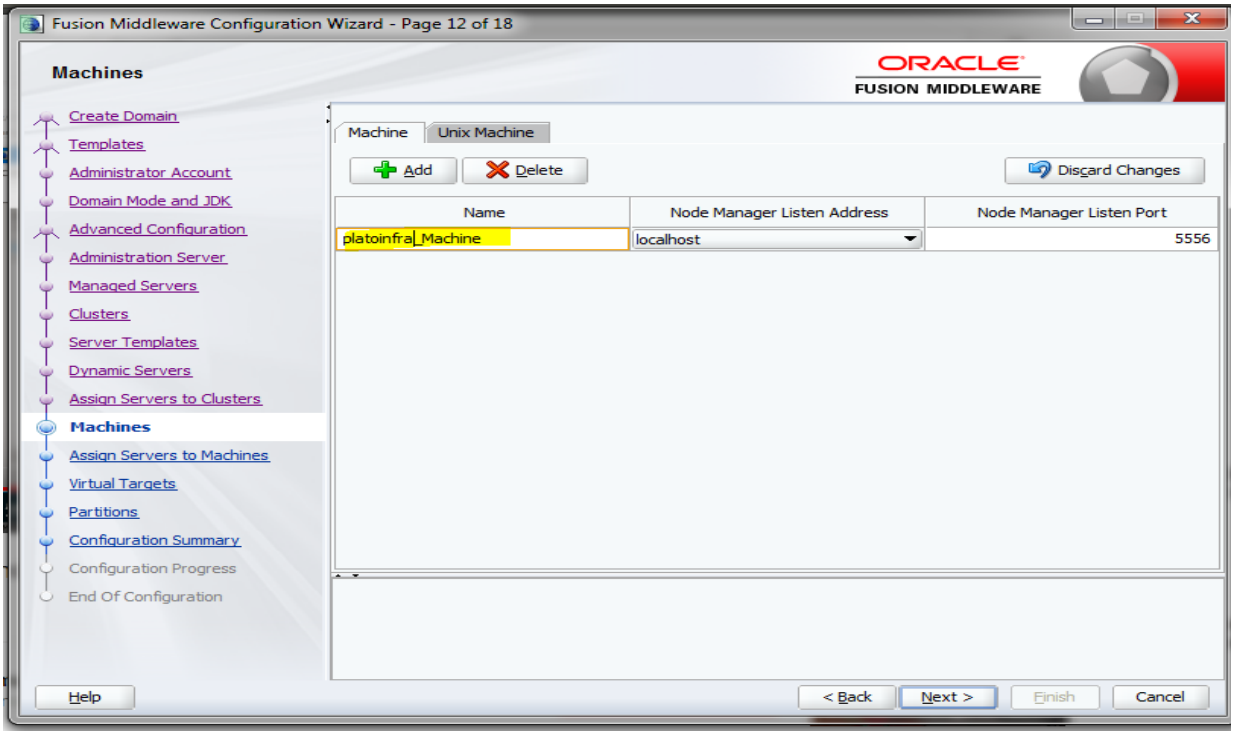
10. You can **skip server templates and dynamic servers**.



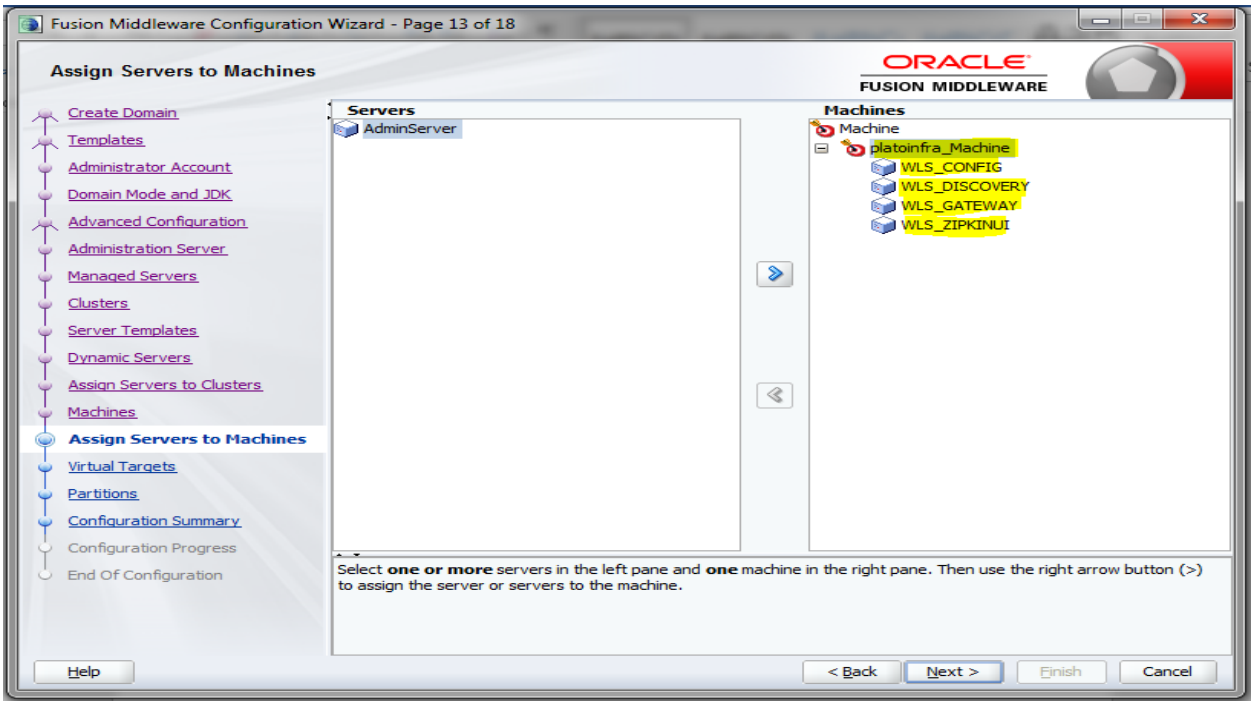
11. Assign **clusters with servers.**



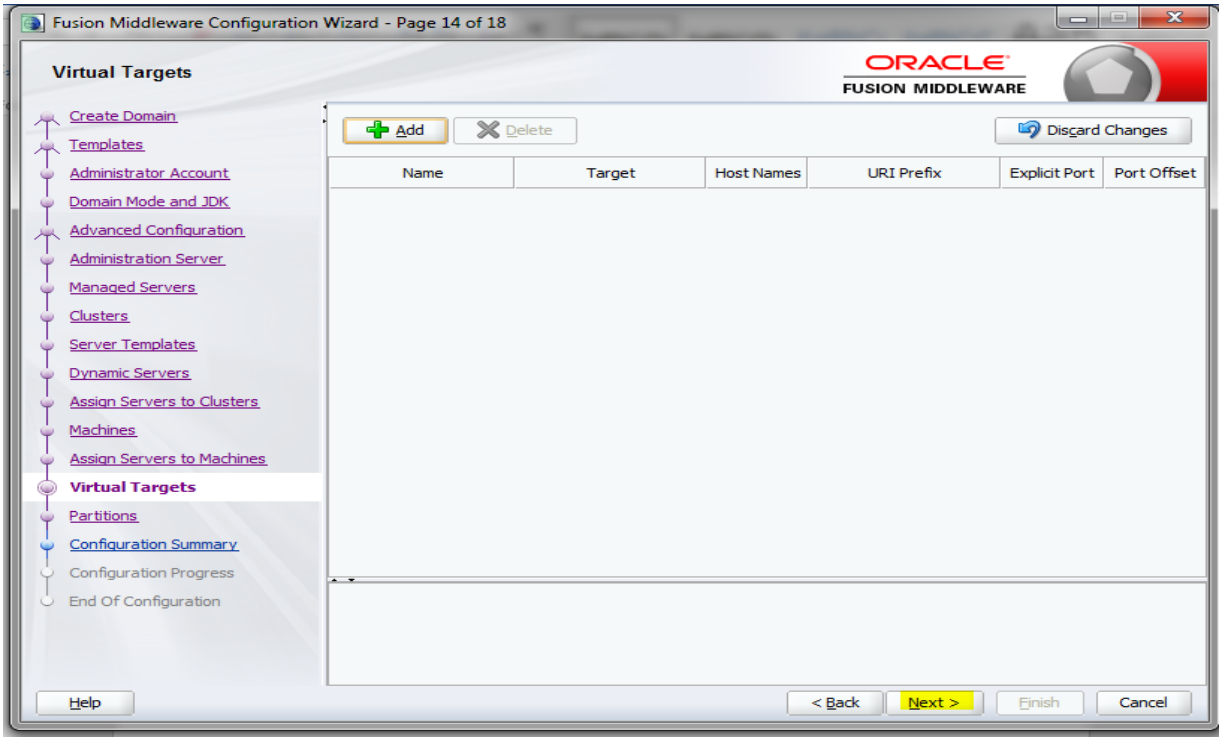
12. Add **Machine/ Unix Machine** based on operating system and configure name, listen address and node manager port as required.

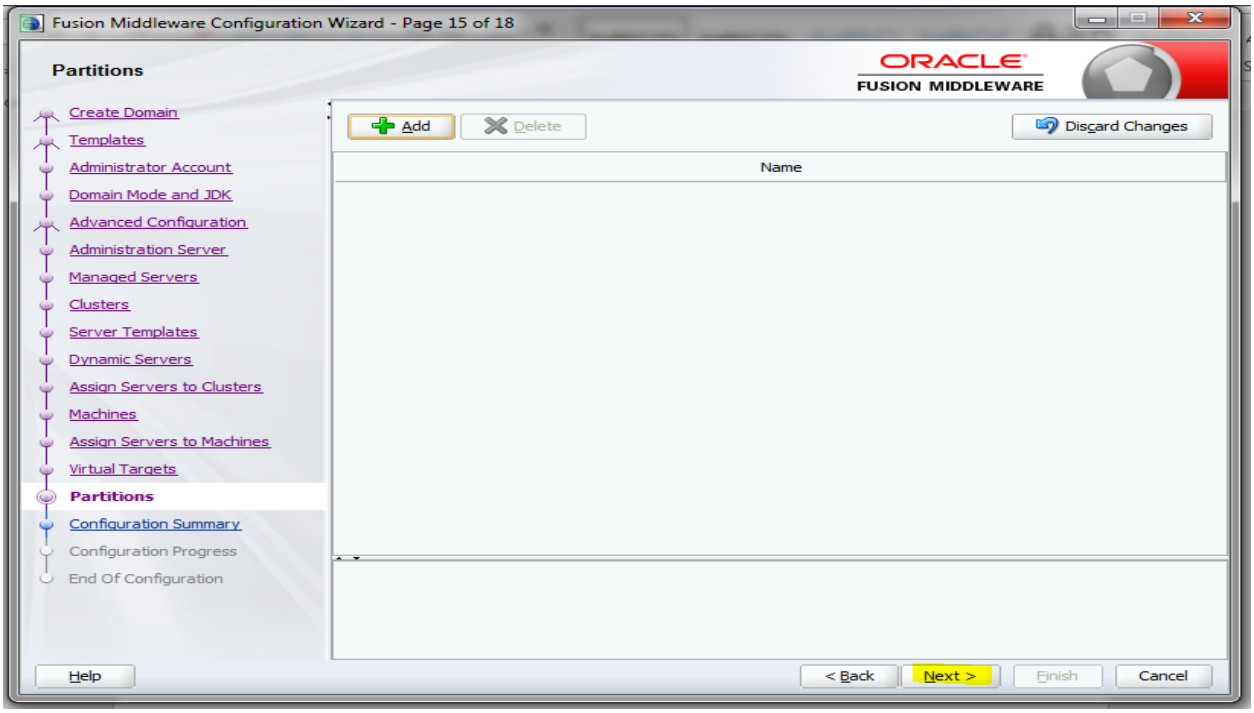


13. **Map all managed servers** under the machine created.

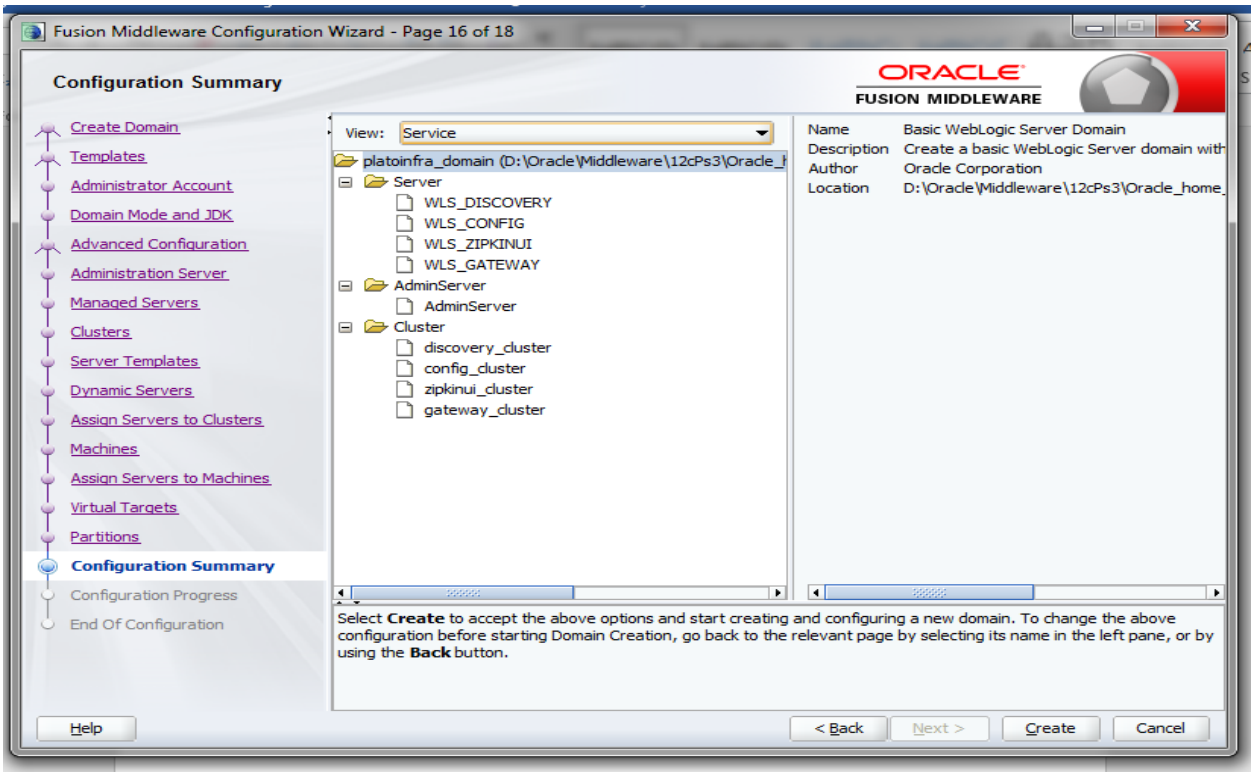


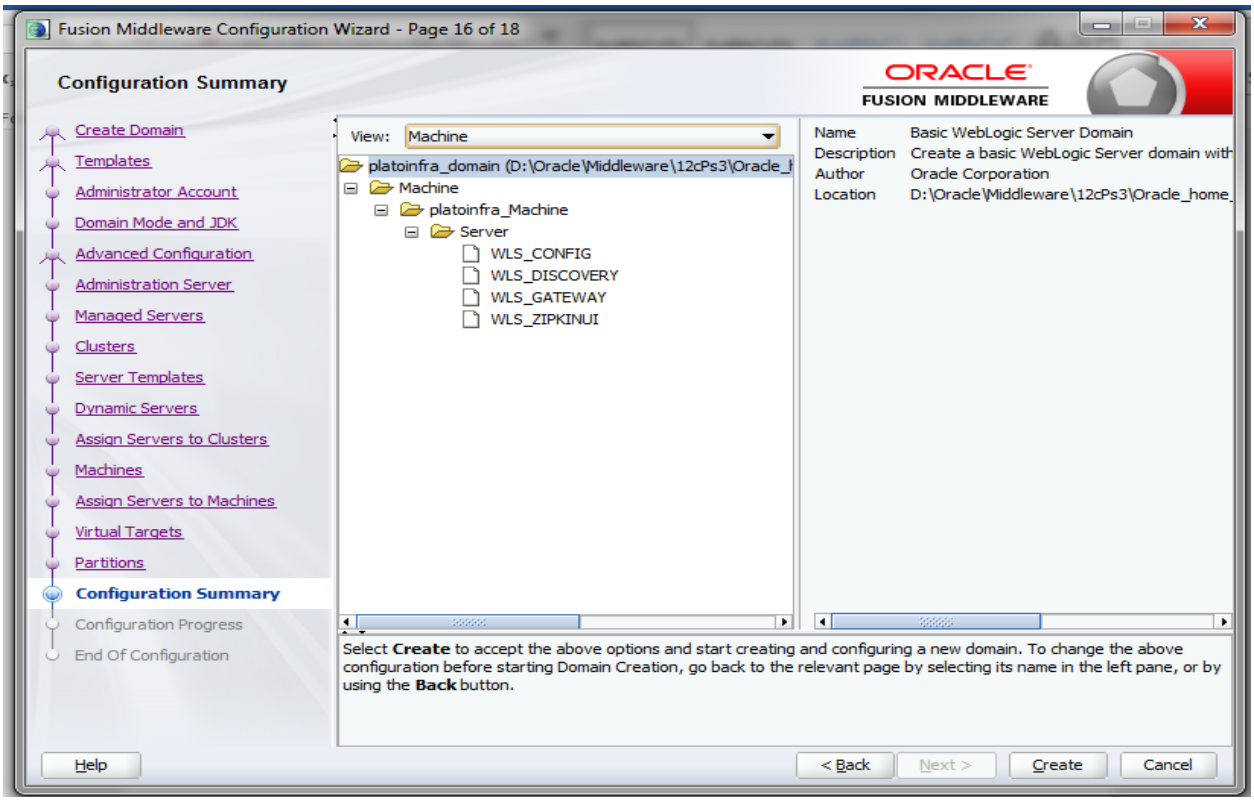
14. Skip **virtual targets and partitions or configure** as required.

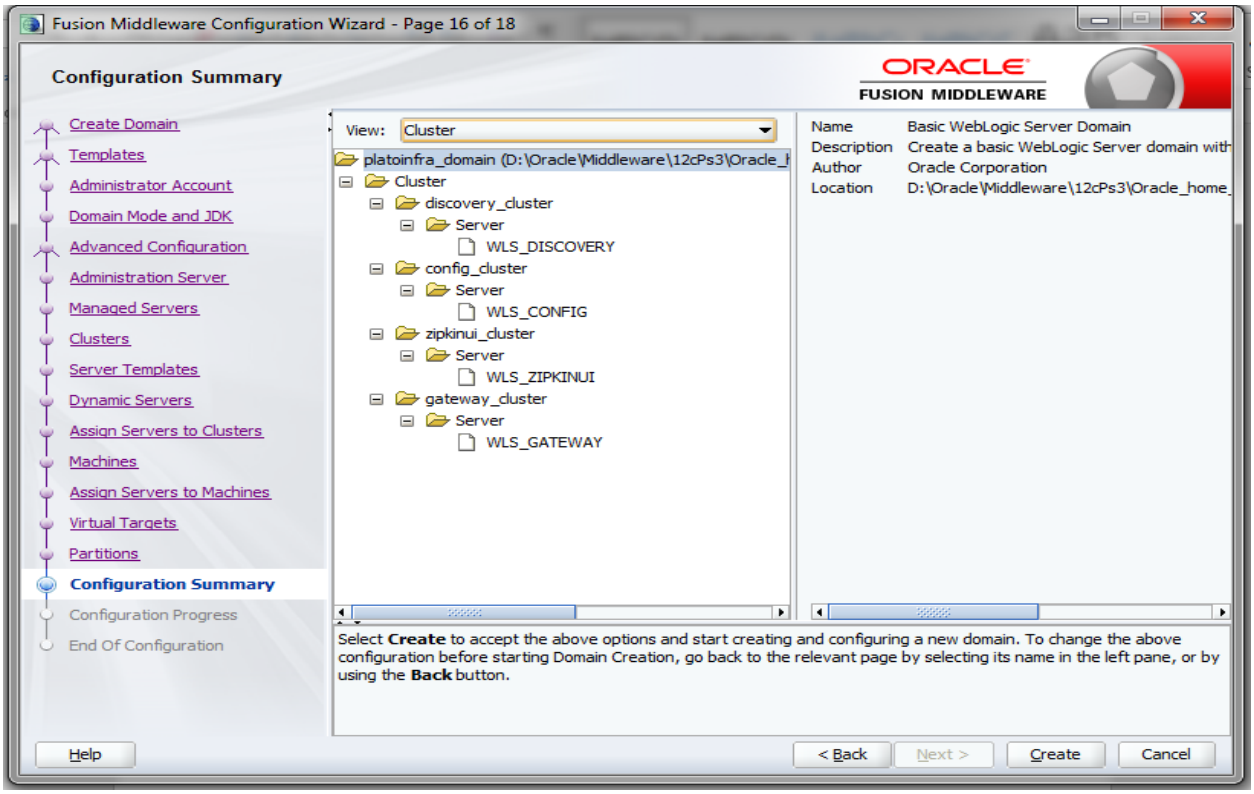




15. Check the configuration summary and confirm creating domain.




Fusion Middleware Configuration Wizard - Page 16 of 18
Configuration Summary
ORACLE
FUSION MIDDLEWARE
Create Domain
Templates
Administrator Account
Domain Mode and JDK
Advanced Configuration
Administration Server
Managed Servers
Clusters
Server Templates
Dynamic Servers
Assign Servers to Clusters
Machines
Assign Servers to Machines
Virtual Targets
Partitions
Configuration Summary
Configuration Progress
End Of Configuration
View: Machine
platoinfra_domain (D:\Oracle\Middleware\12cPs3\Oracle_
Machine
platoinfra_Machine
Server
WLS_CONFIG
WLS_DISCOVERY
WLS_GATEWAY
WLS_ZIPKINUI
Name Basic WebLogic Server Domain
Description Create a basic WebLogic Server domain with
Author Oracle Corporation
Location D:\Oracle\Middleware\12cPs3\Oracle_home_
Select Create to accept the above options and start creating and configuring a new domain. To change the above configuration before starting Domain Creation, go back to the relevant page by selecting its name in the left pane, or by using the Back button.
Help
< Back
Next >
Create
Cancel


Fusion Middleware Configuration Wizard - Page 16 of 18
Configuration Summary
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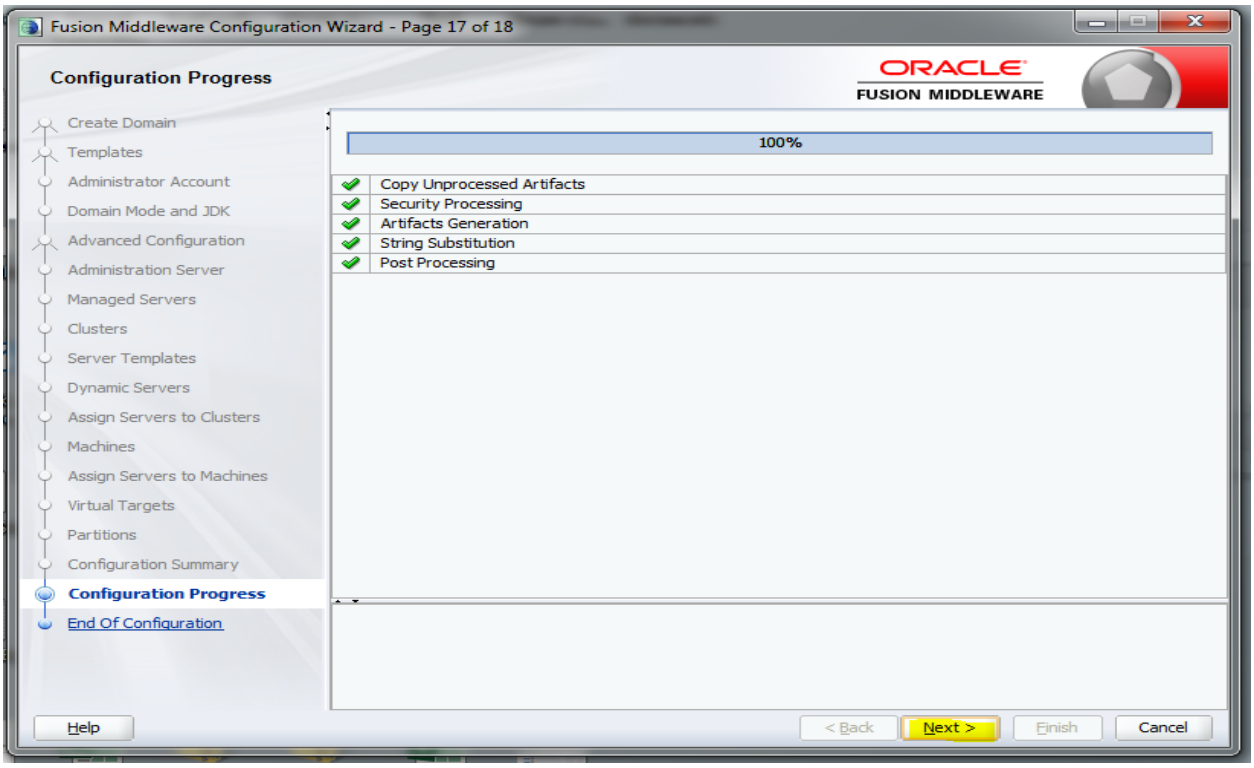
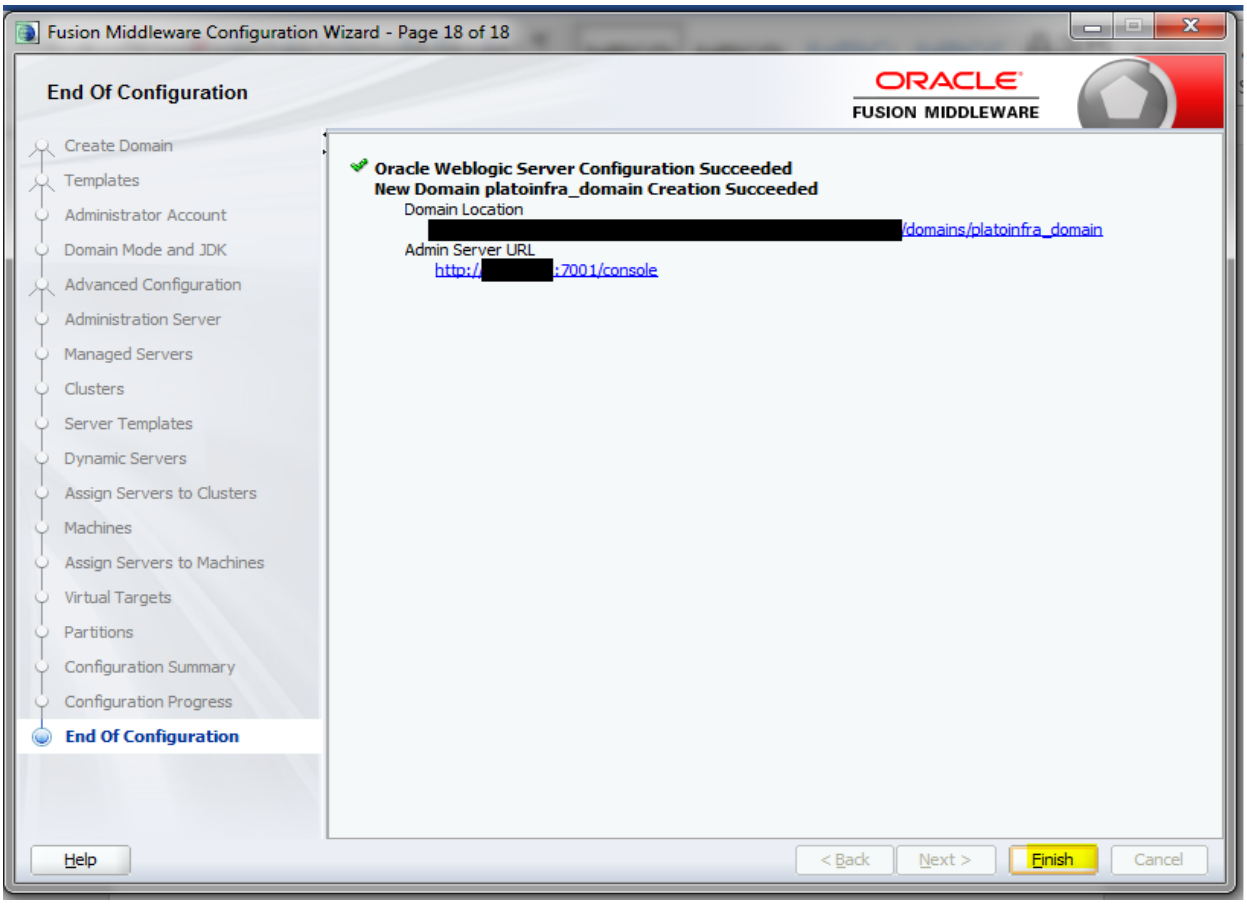
Configuration Summary
Configuration Progress
End Of Configuration
View: Cluster
platoinfra_domain (D:\Oracle\Middleware\12cPs3\Oracle_
Cluster
discovery_cluster
Server
WLS_DISCOVERY
config_cluster
Server
WLS_CONFIG
zipkinui_cluster
Server
WLS_ZIPKINUI
gateway_cluster
Server
WLS_GATEWAY
Name Basic WebLogic Server Domain
Description Create a basic WebLogic Server domain with
Author Oracle Corporation
Location D:\Oracle\Middleware\12cPs3\Oracle_home_
Select Create to accept the above options and start creating and configuring a new domain. To change the above configuration before starting Domain Creation, go back to the relevant page by selecting its name in the left pane, or by using the Back button.
Help
< Back
Next >
Create
Cancel





16. Click **Finish** to complete the procedure.

1.1.1 Post Domain Creation Configurations

Once finished, refer oracle fusion middleware documents for more details on how to start admin server, node manager and managed servers.

1. Go to /user_projects/domain/platoinfra_domain/bin
2. Edit setDomainEnv.cmd (.sh if operating system is linux)

And set these java options

JAVA_OPTIONS="${JAVA_OPTIONS} -Dplato.services.config.uri=http://XX.XX.XX.XX:XXXX -Dplato.services.config.port=XXXX -Dplato.service.logging.path=/scratch/app/work_area/app_logs -Dplato.service.env=XXXX"
export JAVA_OPTIONS

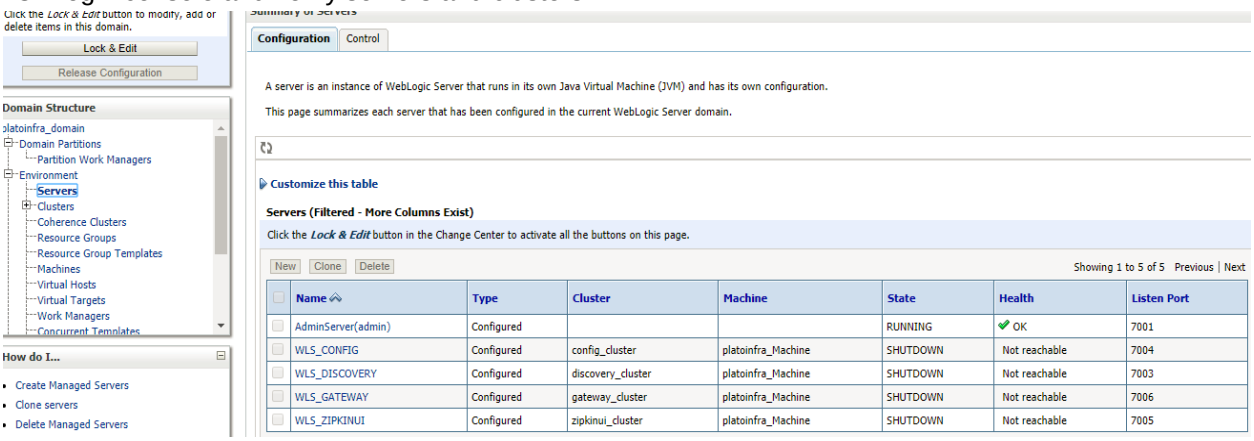
Check and give valid host address and port numbers

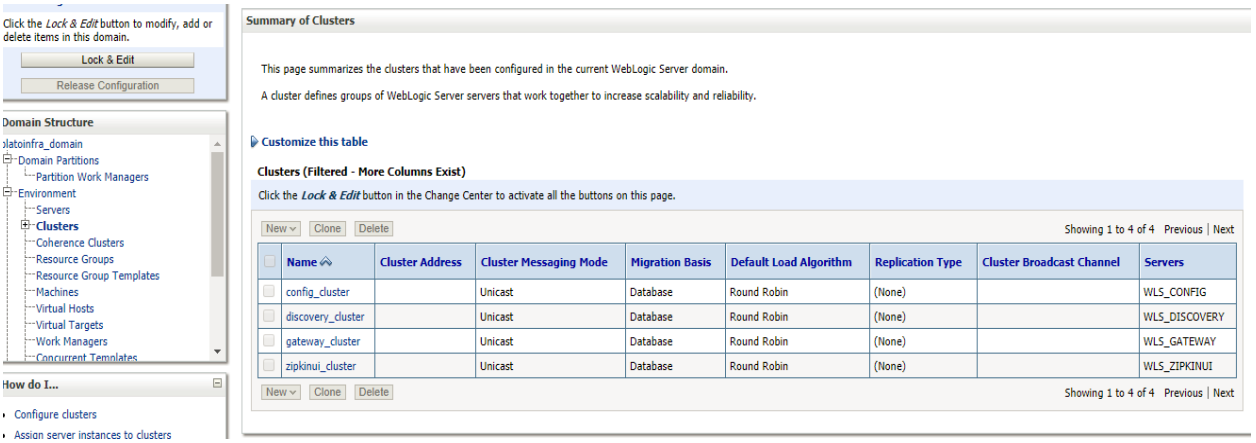
```
        set POST_CLASSPATH=%EXT_POST_CLASSPATH%
    )
)

if NOT "%WEBLOGIC_EXTENSION_DIRS%"=="" (
    set JAVA_OPTIONS=%JAVA_OPTIONS% -Dweblogic.ext.dirs=%WEBLOGIC_EXTENSION_DIRS%
)

set JAVA_OPTIONS=%JAVA_OPTIONS%

set JAVA_OPTIONS=%JAVA_OPTIONS% -Dplato.services.gateway.port=7006 -Dplato.services.config.port=7004 -Dplato.services.config.uri=http://localhost:7004

@REM SET THE CLASSPATH

if NOT "%WLP_POST_CLASSPATH%"=="" (
    if NOT "%CLASSPATH%"=="" (
        set CLASSPATH=%WLP_POST_CLASSPATH%;%CLASSPATH%
    ) else (
        set CLASSPATH=%WLP_POST_CLASSPATH%
    )
)
```

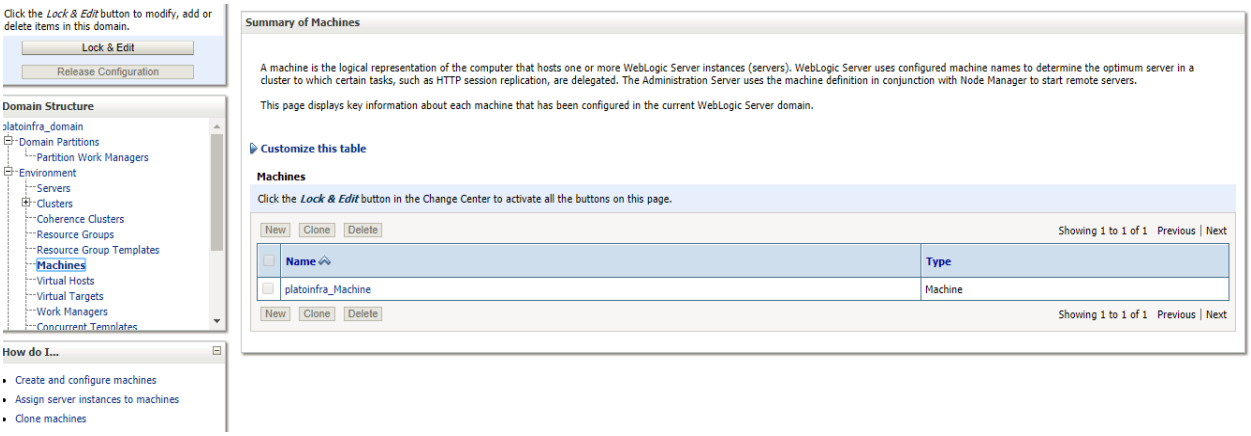
3. Create boot.properties file under /user_projects/domains/XXXXdomainNameXXX/servers/AdminServer/security
4. Edit boot.properties and give username and password details.

```
#Thu May 03 15:52:07 IST 2018
password=[redacted]
username=[redacted]
```

5. Run startWeblogic.cmd (or .sh if operating system is linux)
6. Go to /user_projects/domains/platoinfra_domain/bin
7. Run setNMJavaHome.cmd (.sh)
8. Go to /user_projects/domains/platoinfra_domain/nodemanager
9. And edit nodemanager.properties as required(securelistner = false if ssl and keystore is not given) And in admin console also go to Machines- > platoinfra_Machine -> Node Manager -> Type -> Plain -> Save
10. Go to /user_projects/domains/platoinfra_domain/bin
11. Run startNodeManager.cmd (or .sh if operating system is linux)
12. Start all managed servers.
13. Login console and verify servers and clusters

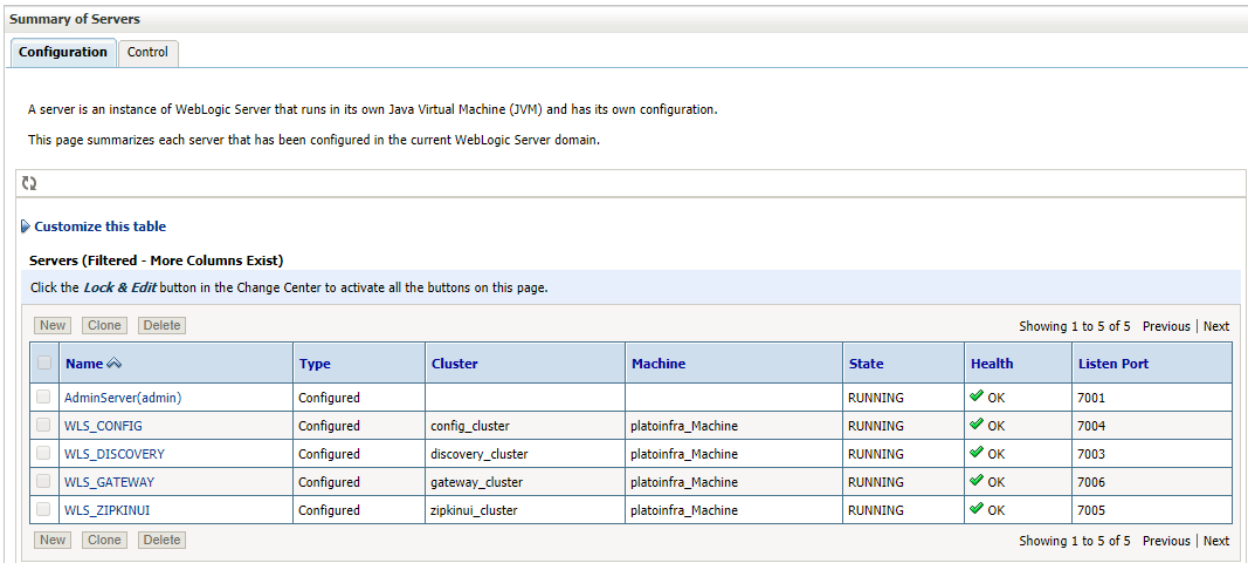




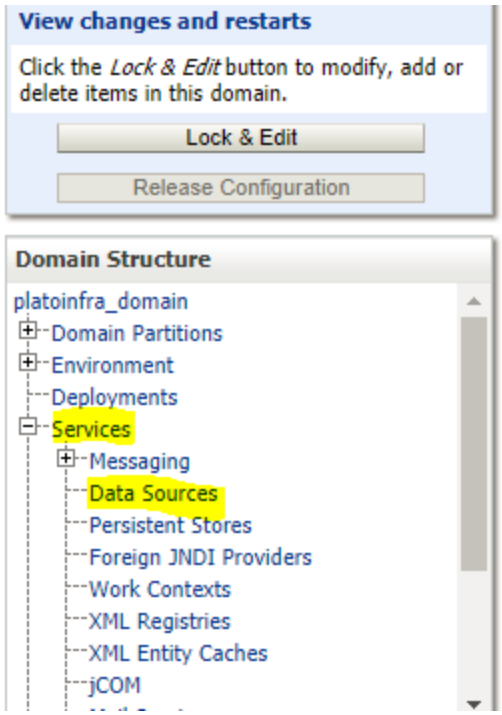


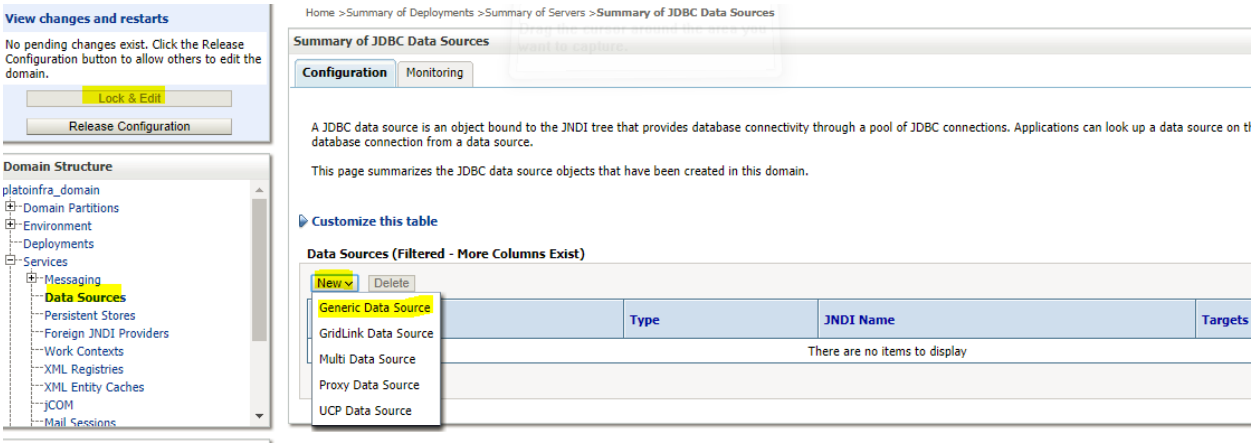
1.2 Creating Datasource

1. Start **AdminServer**, **Node Manager** and make sure all the **managed servers** (targets) are in running mode.

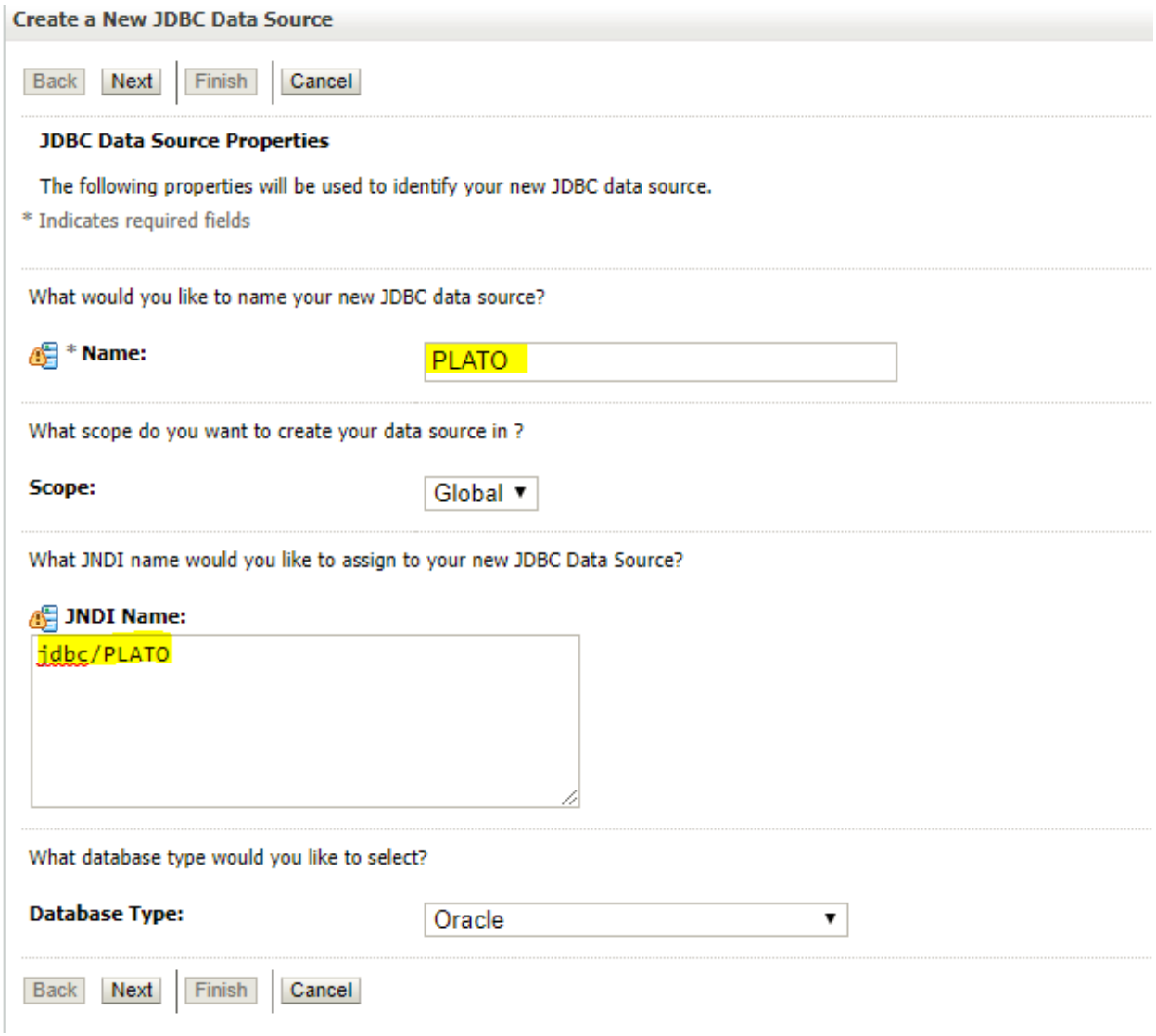


2. Go to **Services** > **Datasources** > **New** > **Generic Datasource.**

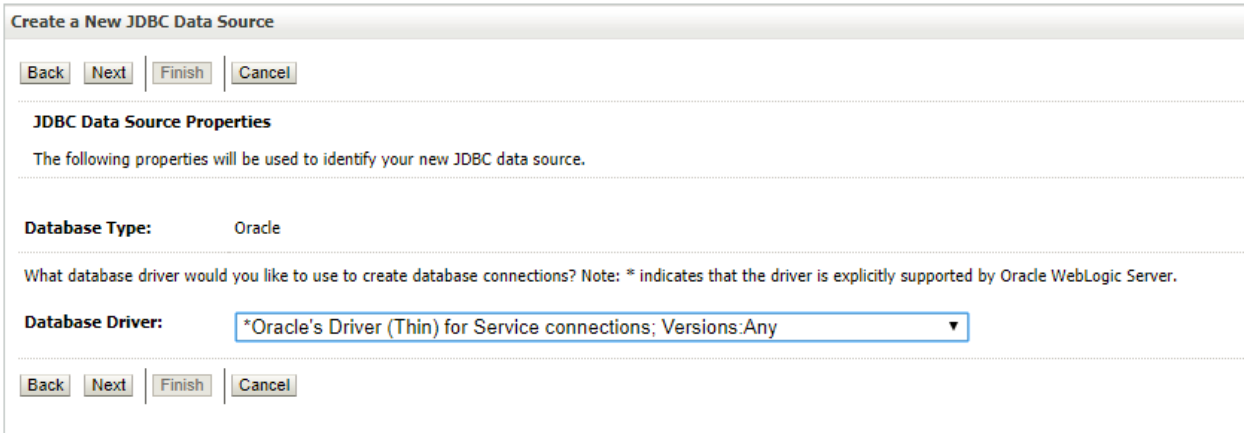




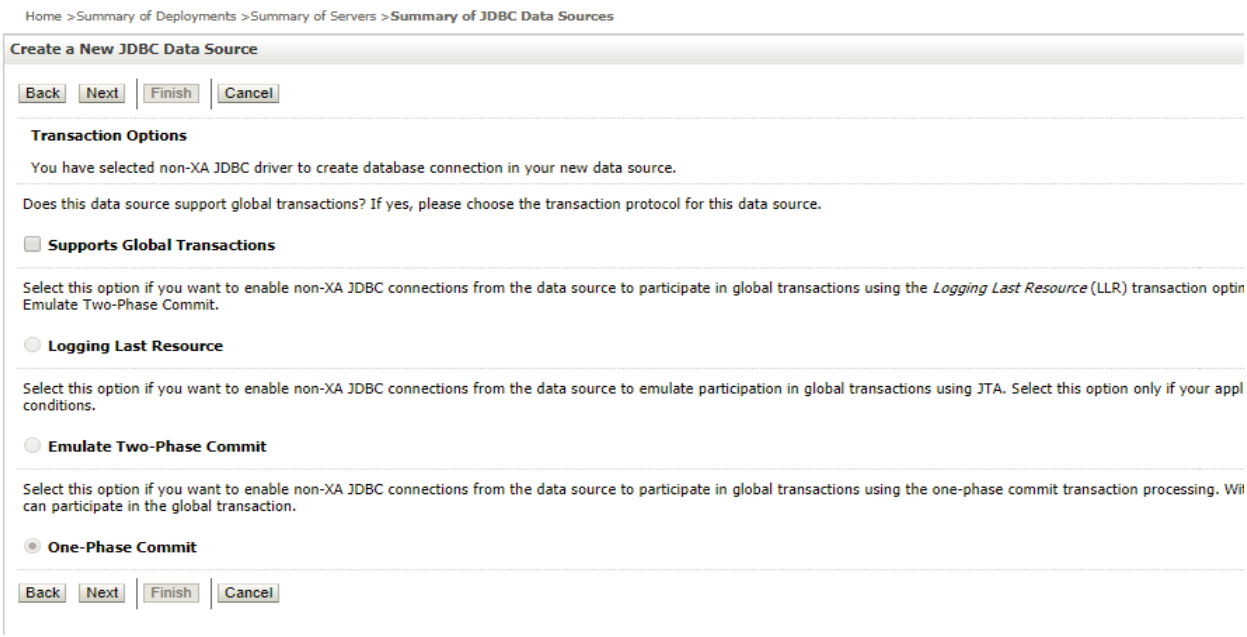
3. Give **datasource** name and **jndi** name and click **Next**.



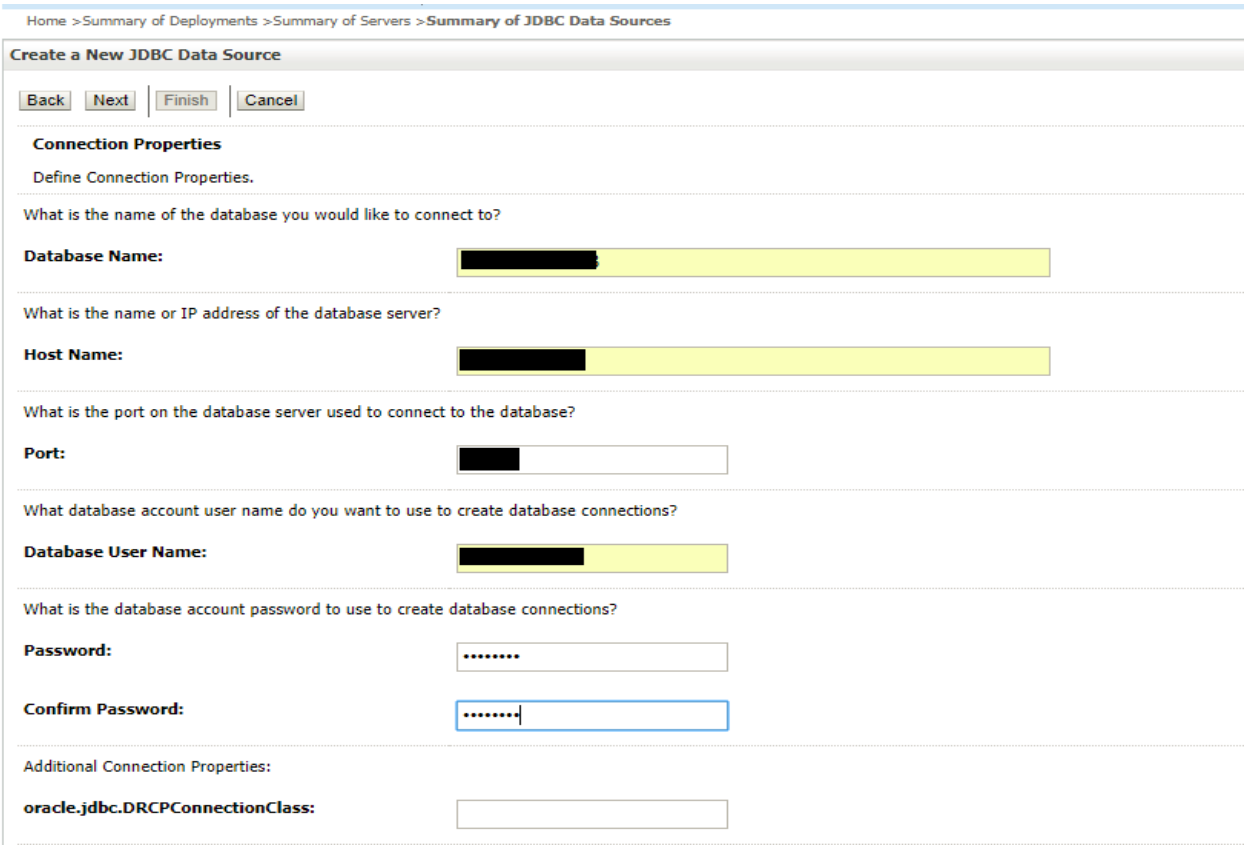
4. Select **Thin for Service Connections (Instant)** and click next.

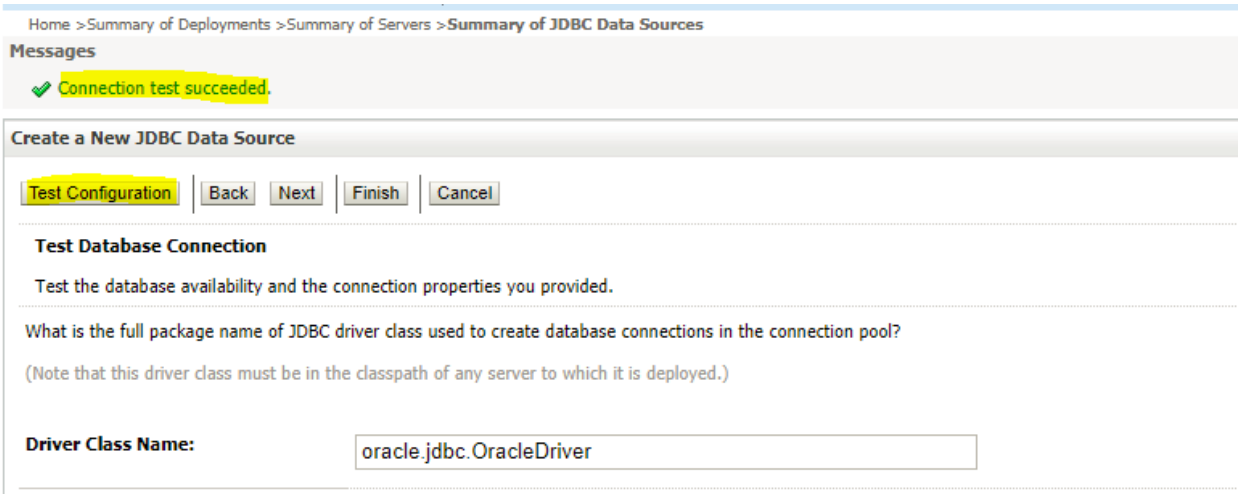


5. Uncheck **support for Global Transactions**.

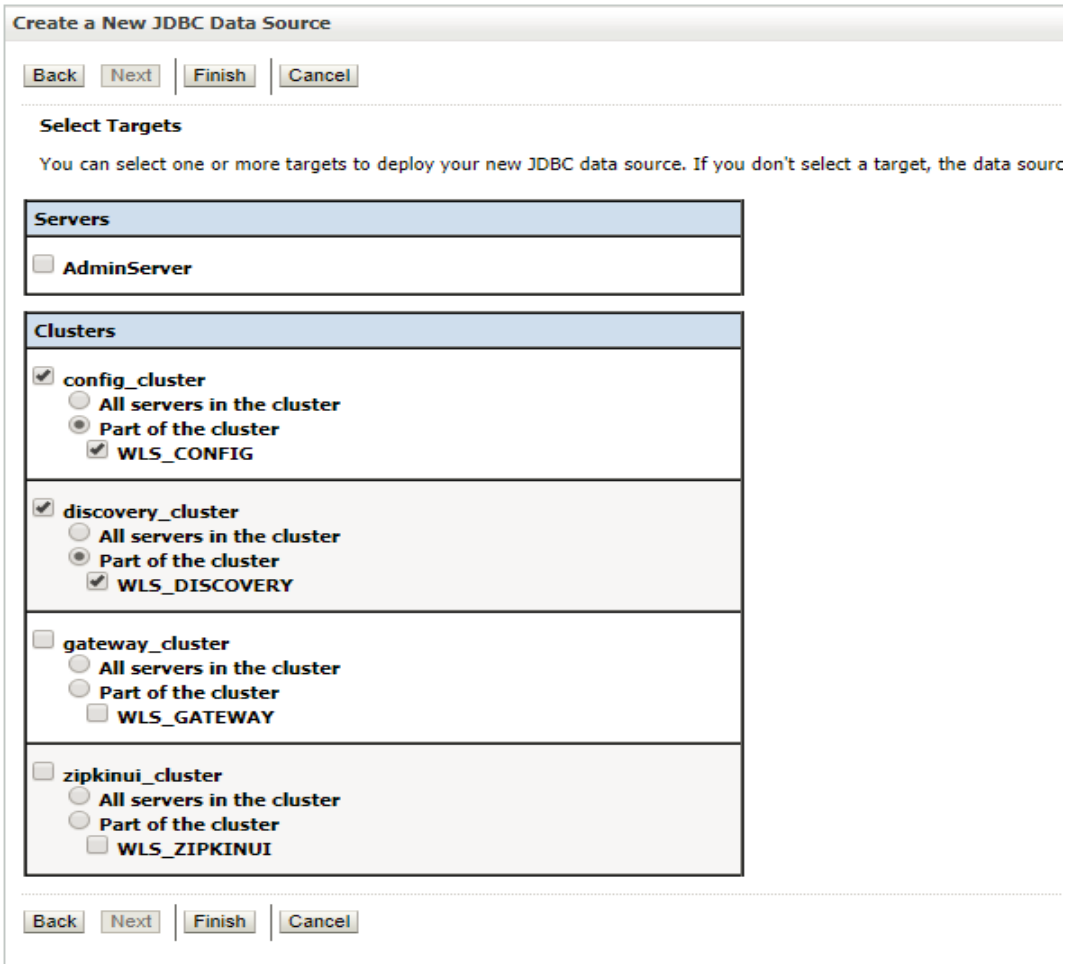


6. Give **database connection** details and click next to test connection.

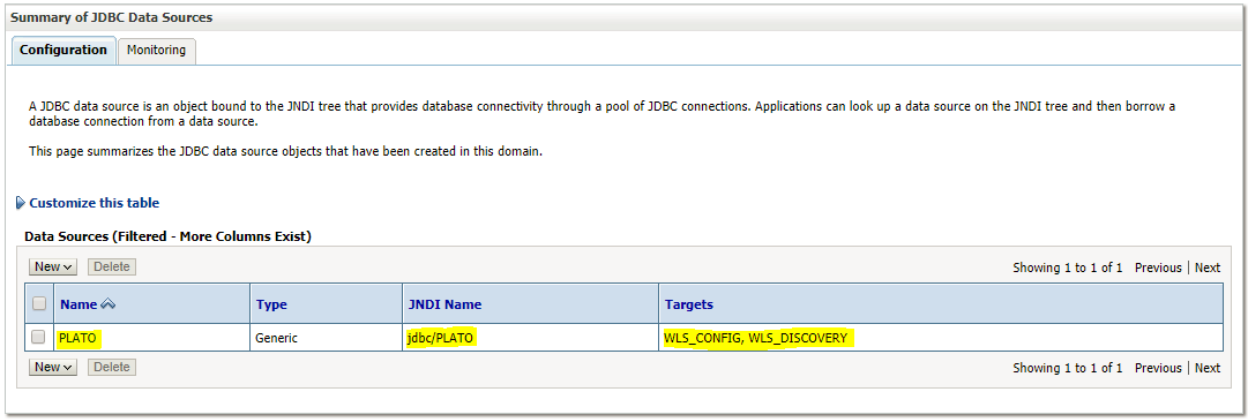




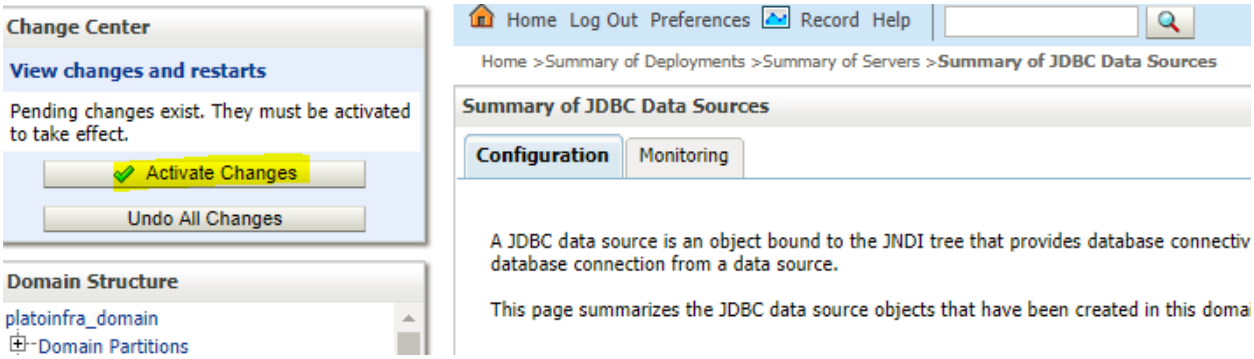
7. Select **targets** to deploy data source.

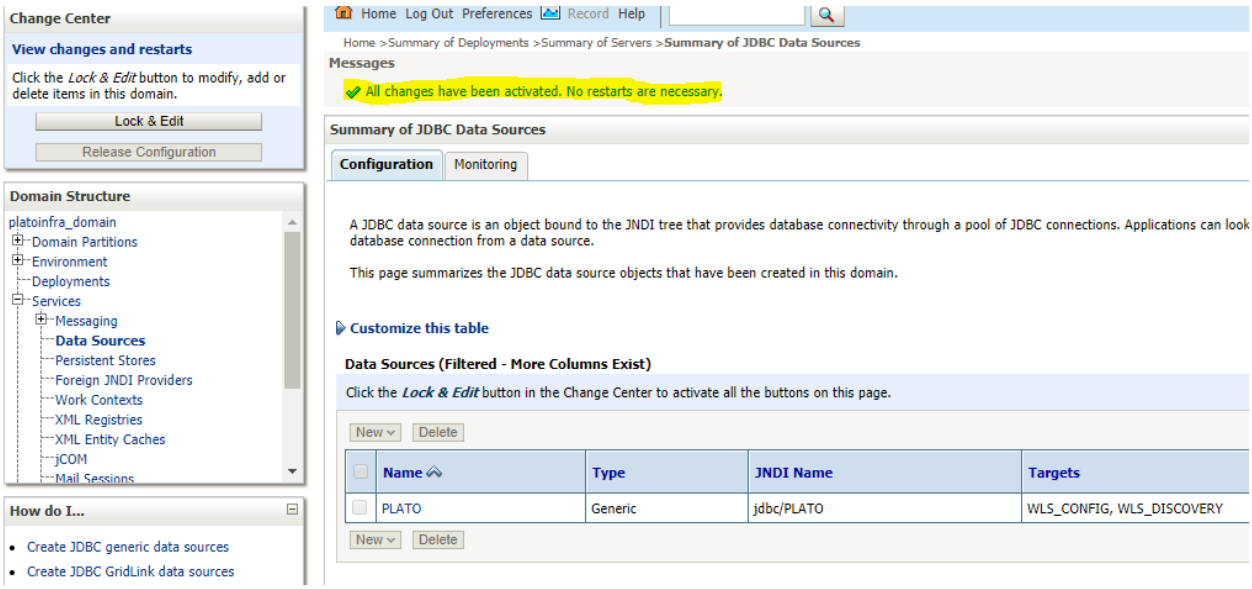


8. View created **datasources** and verify **jndi** name and targets.



9. **Activate changes** after confirming details.

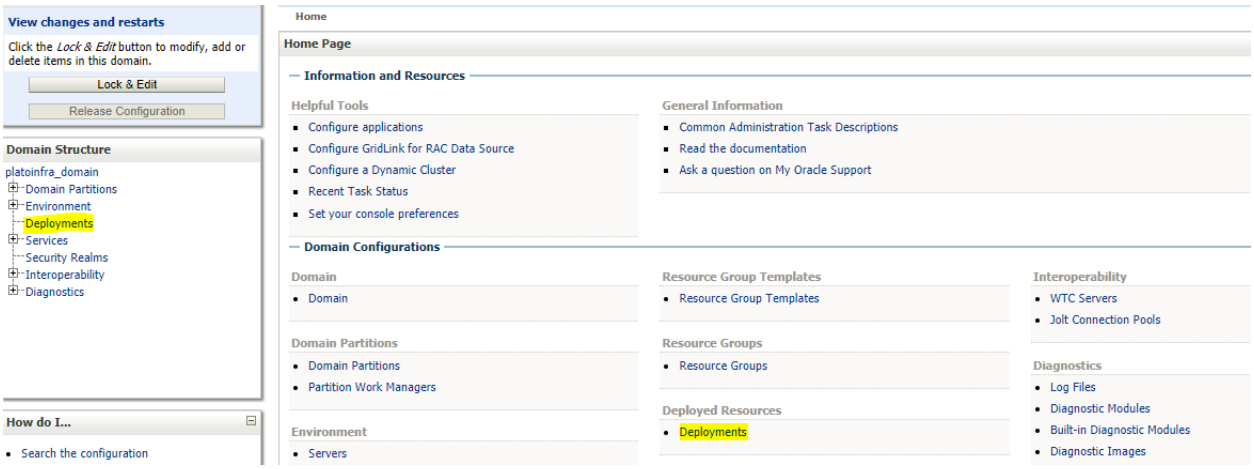




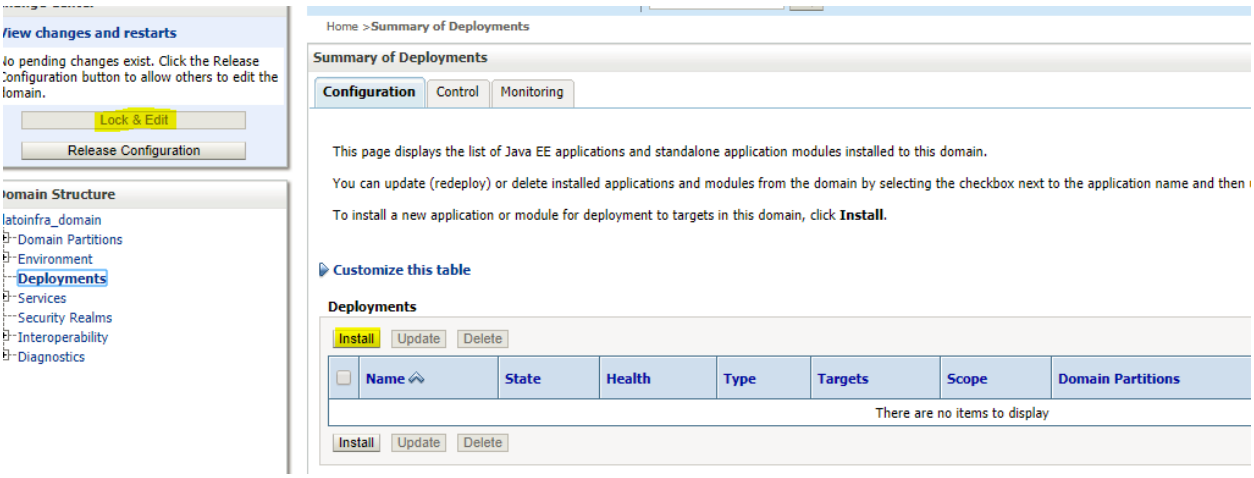
1.3 Deploying an Application

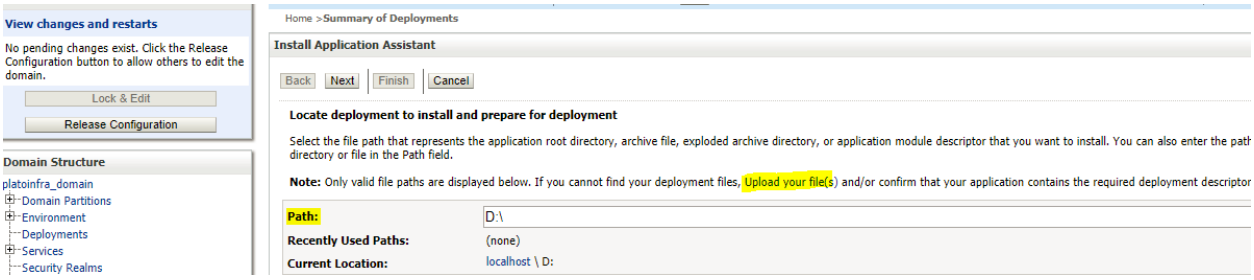
Steps to Deploy archives as application on weblogic is same for all the above except for managed server and domain where we deploy will differ. Find the below screenshots to see how deployment of archive as application is done on weblogic.

1. Go to **Deployments**.

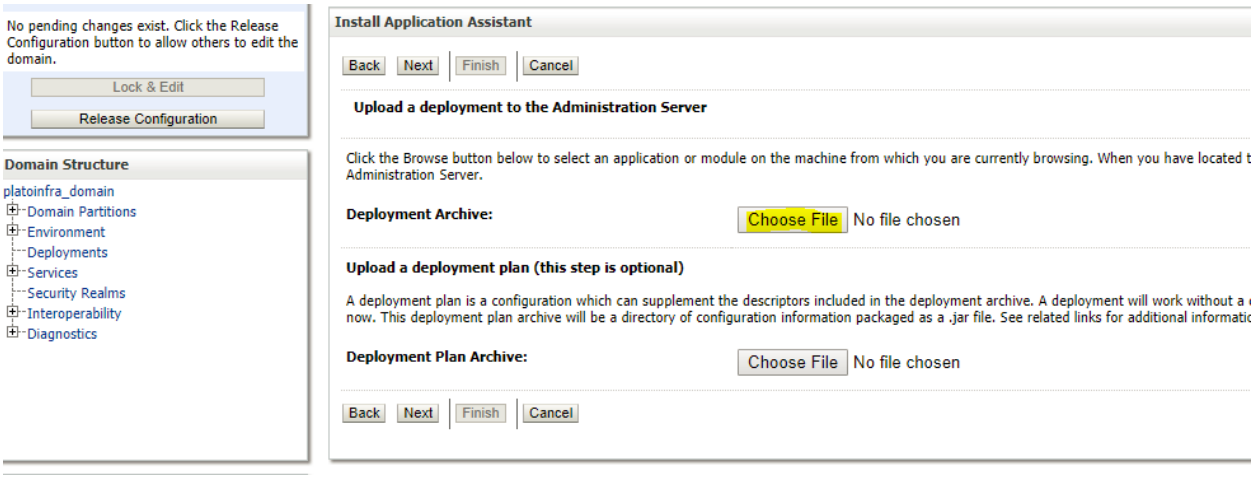


2. Click **Lock and Edit** > **Install**.

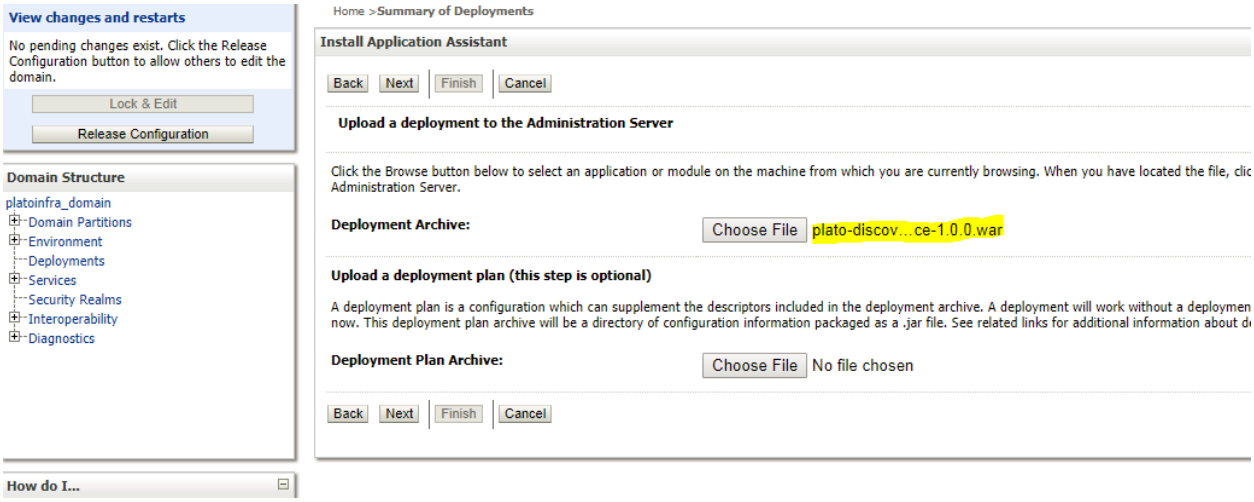


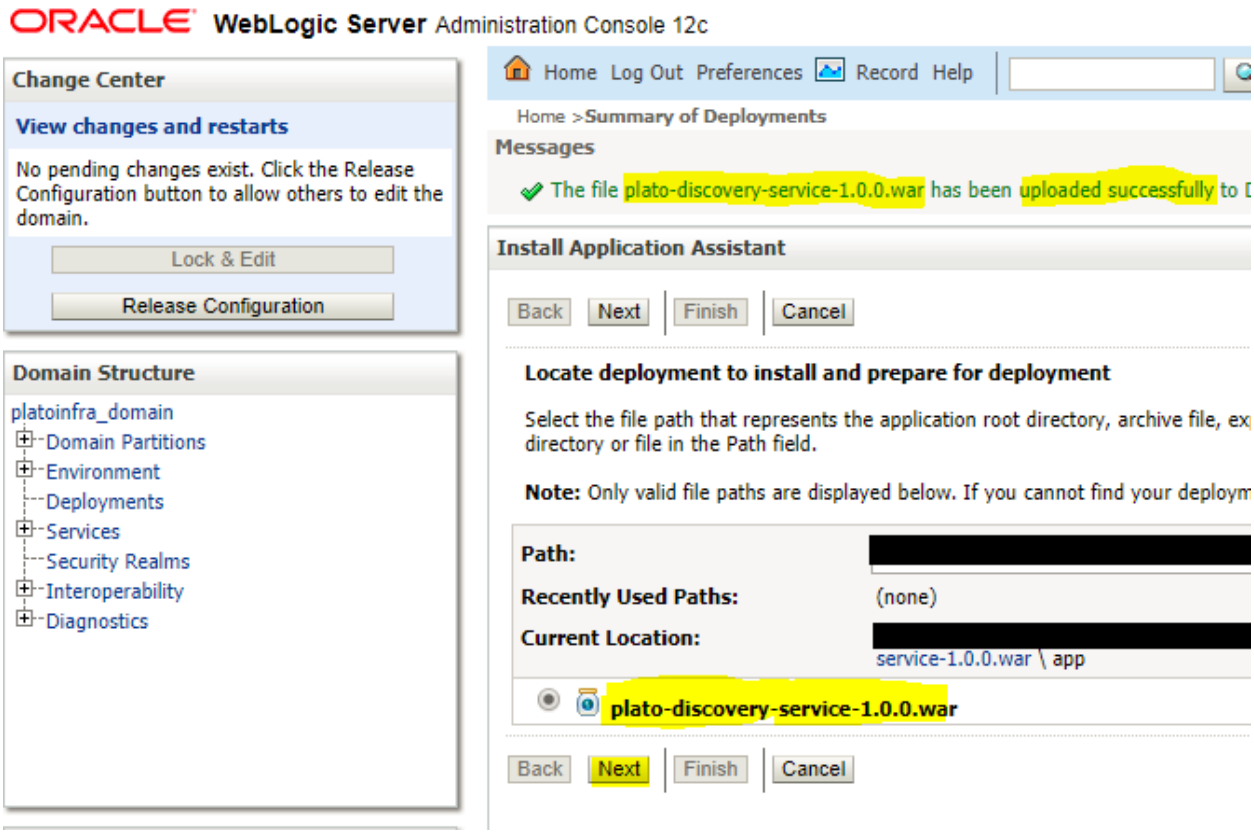


3. Select archive by clicking on **Upload your file(s)** button, **choose file** and click **next**.

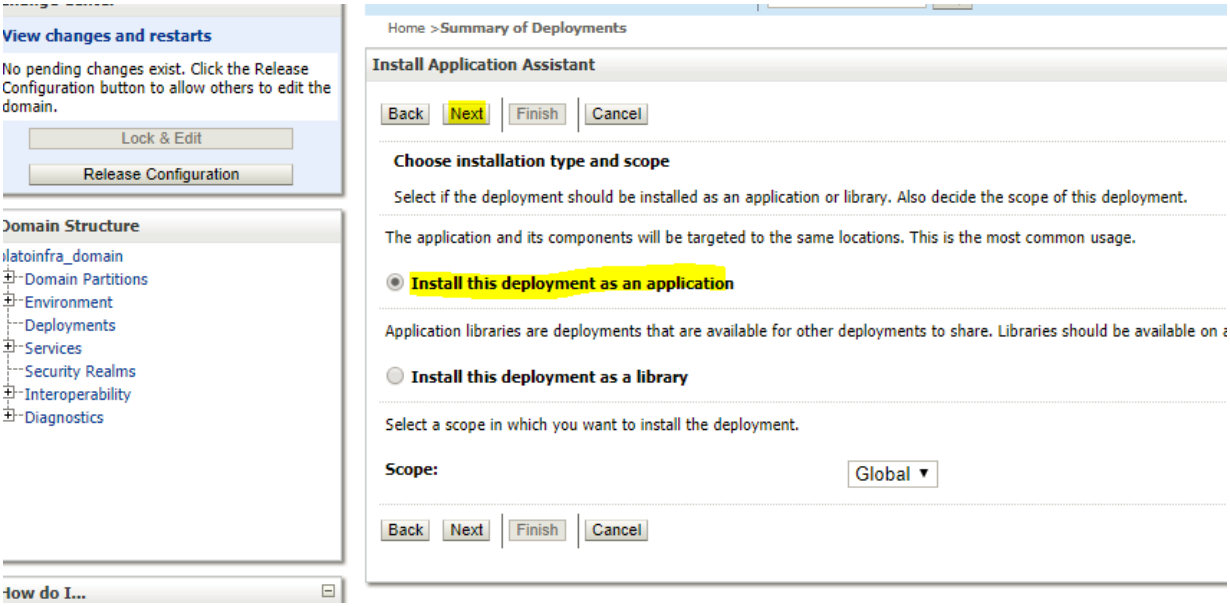


4. After archive is uploaded, click **next**.

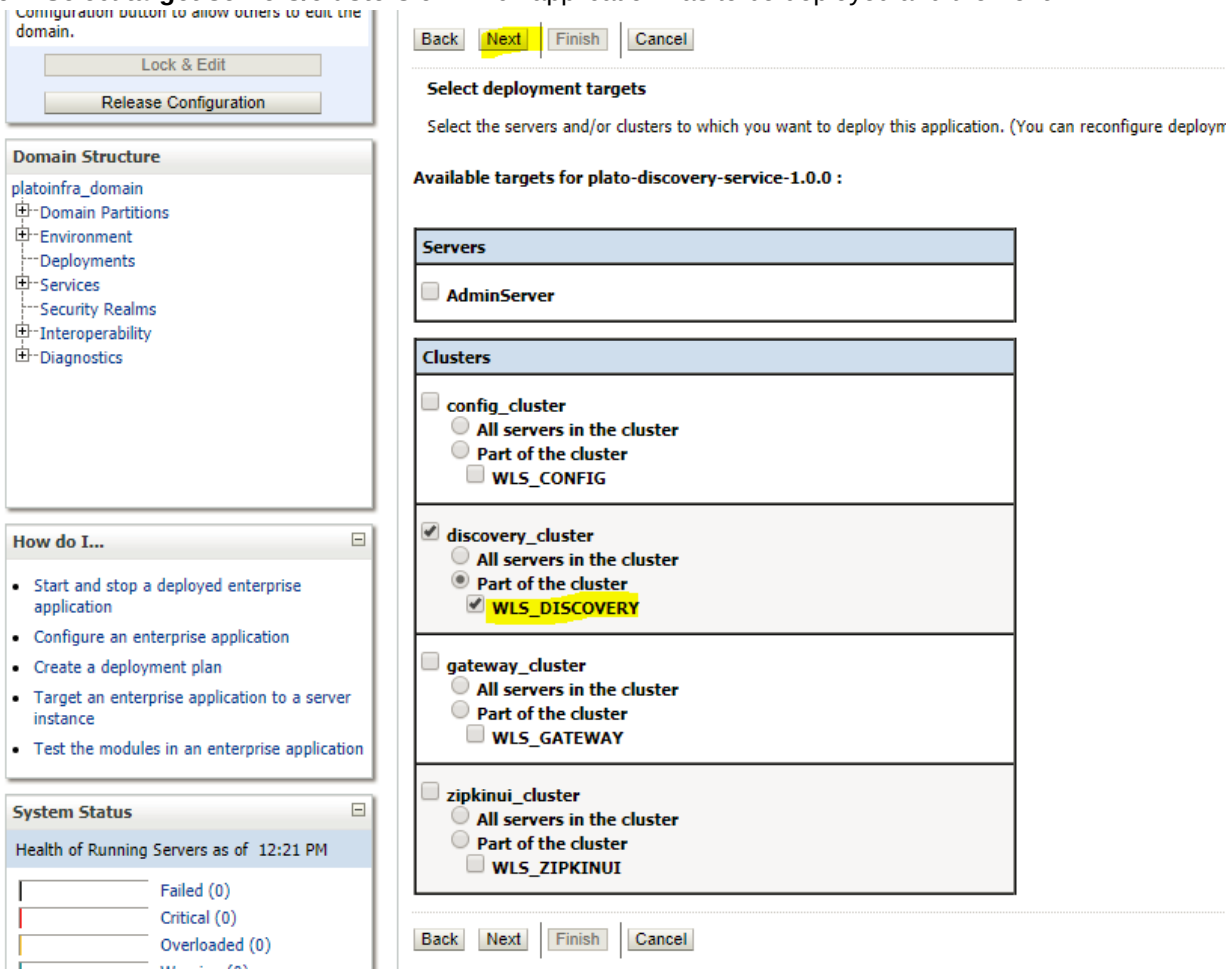


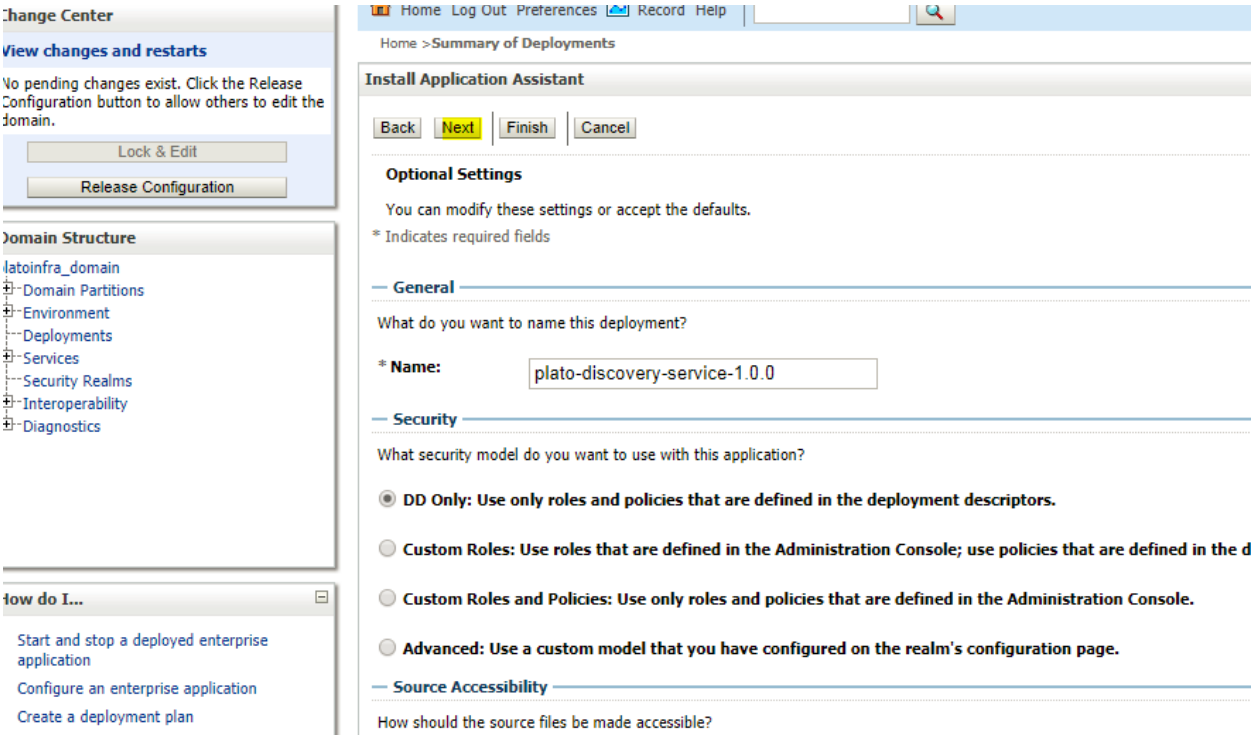


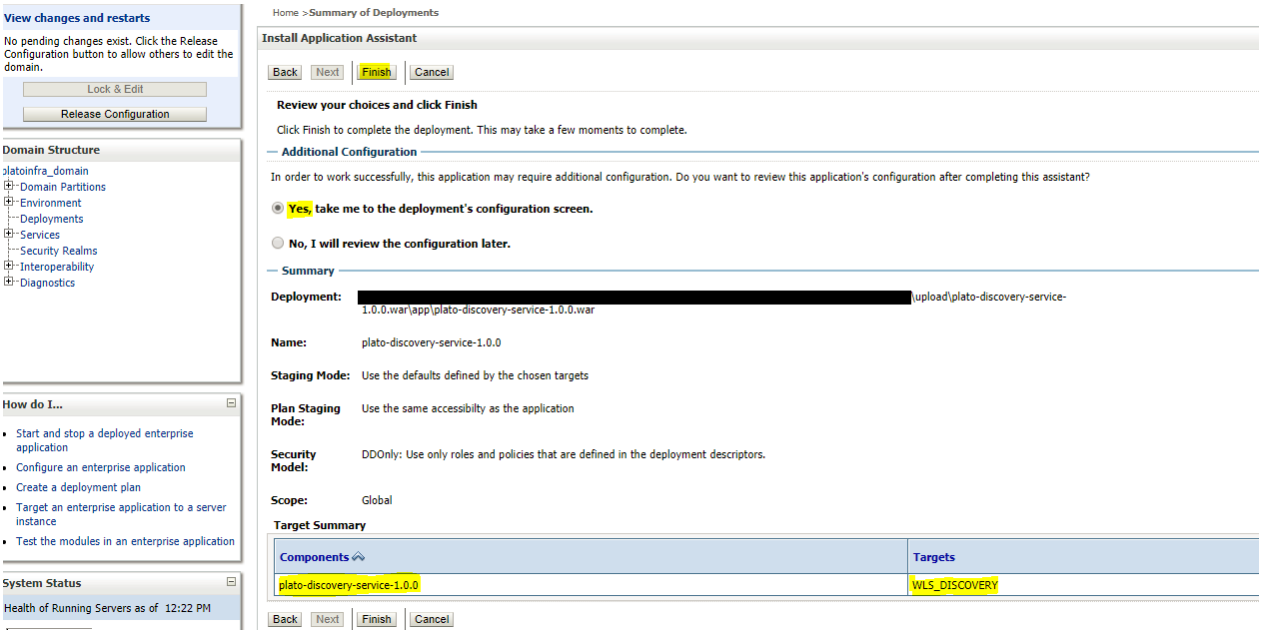
5. Select option to **Install this deploy as application** and click **next**.



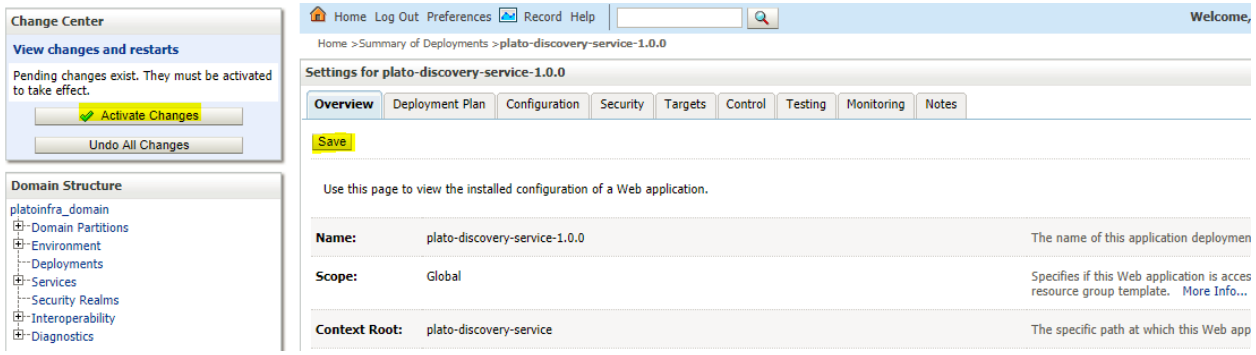
6. Select **target servers/clusters** on which application has to be deployed and the **next**.

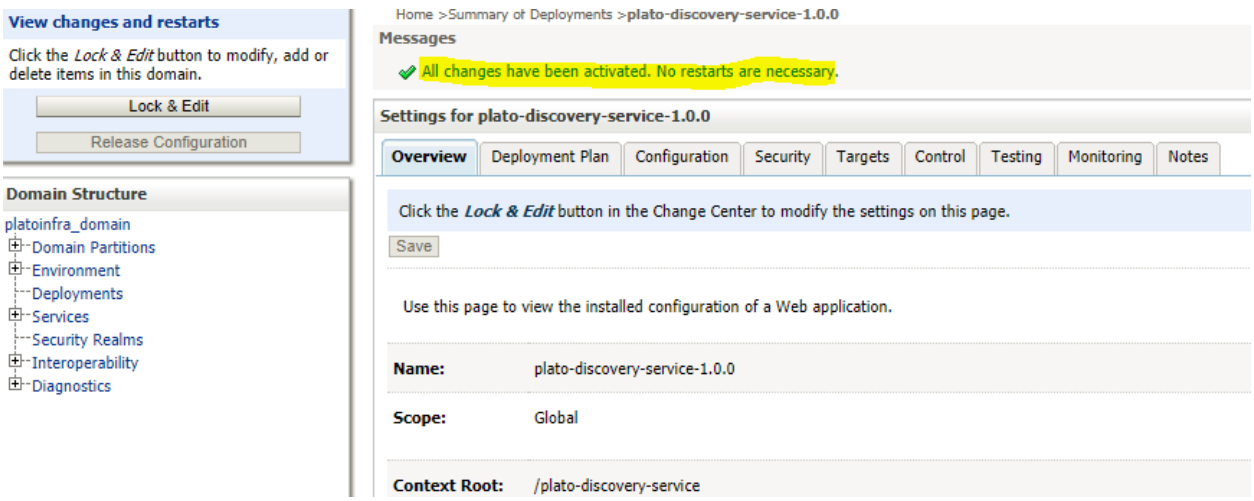




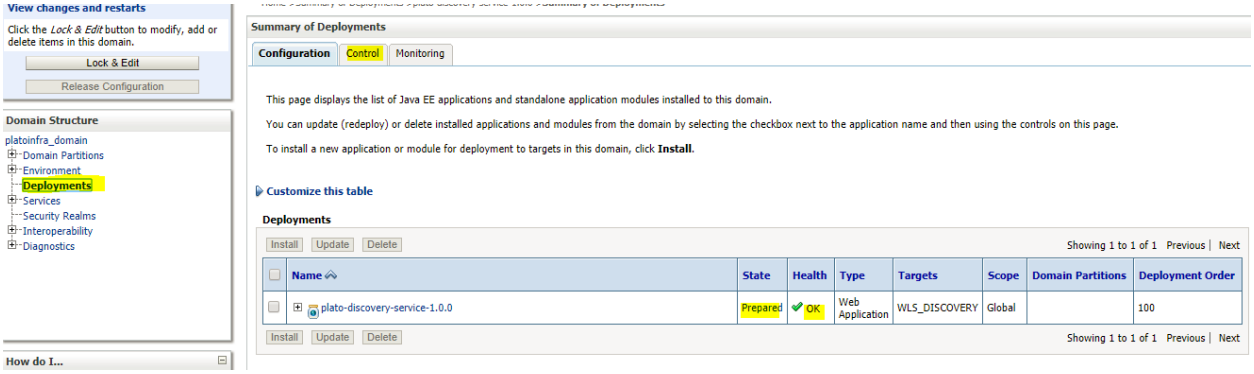


7. Click **save and activate** changes.

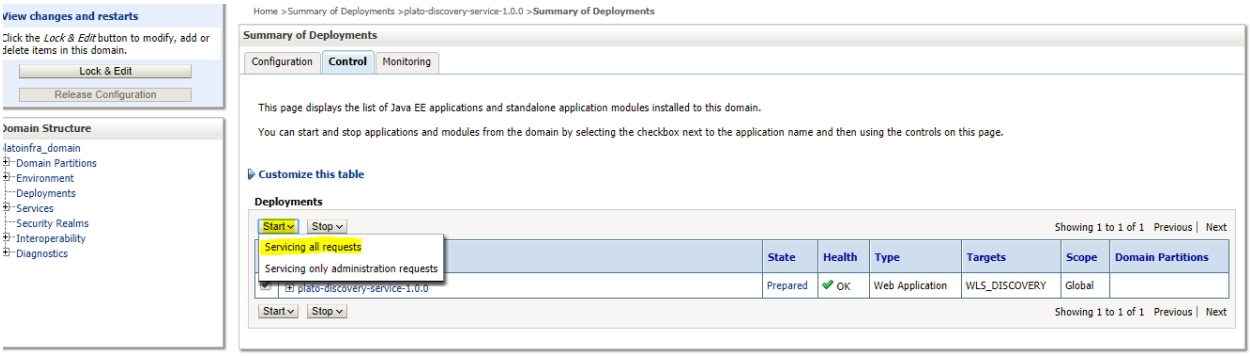




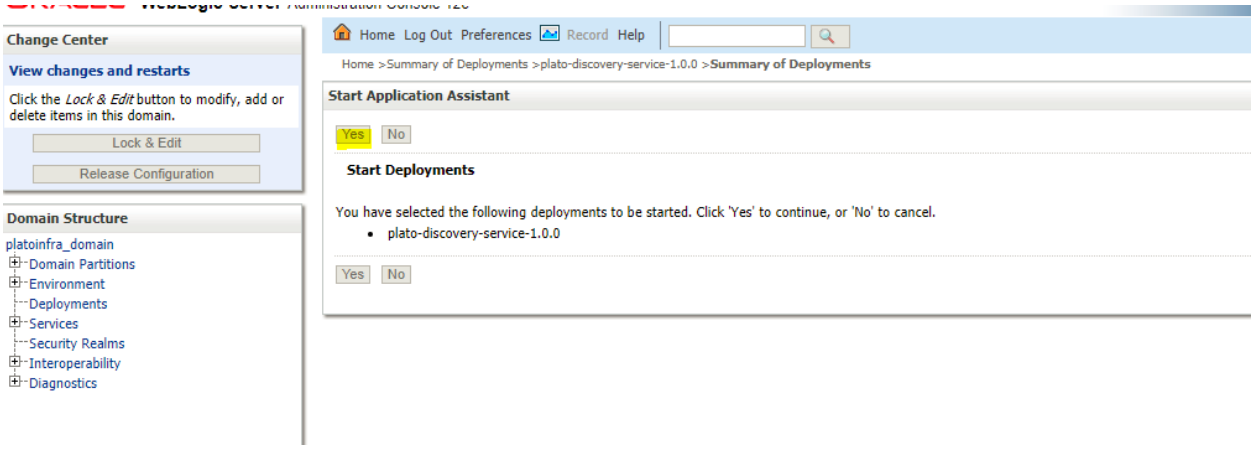
8. Click **Deployments** > **Control** to changes the state of application from prepared to active status.



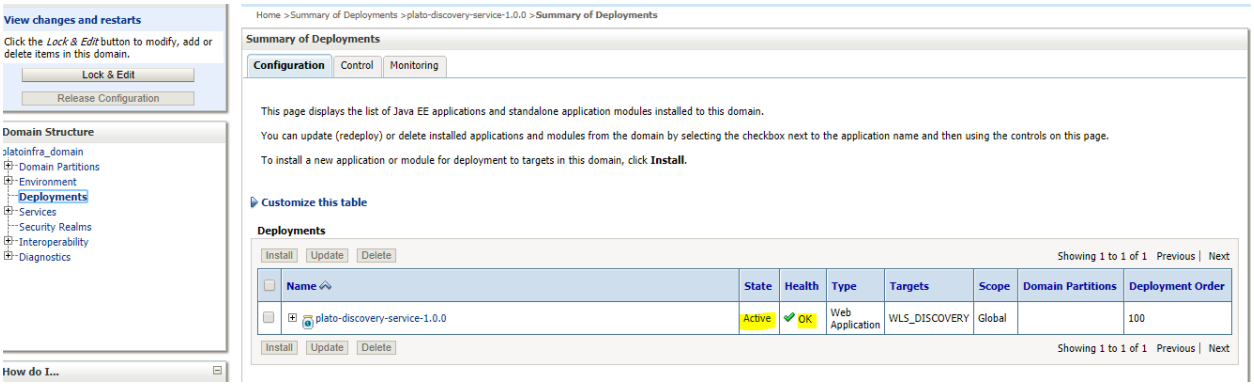
9. Under deployment click **Start dropdown** and **Click Start all requests**.



10. Click on **Yes.**

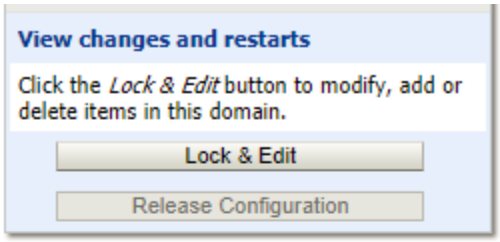


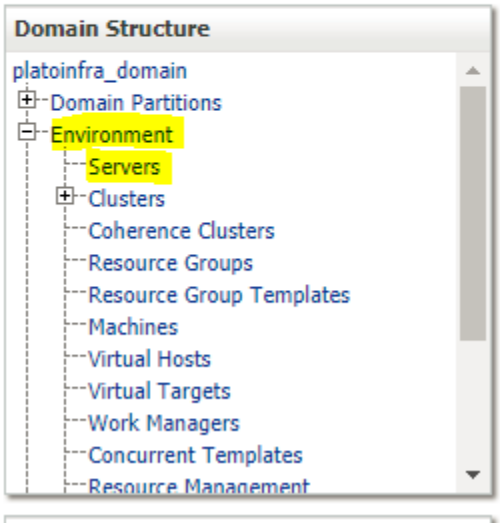
You should see status as **Active in the state column.**



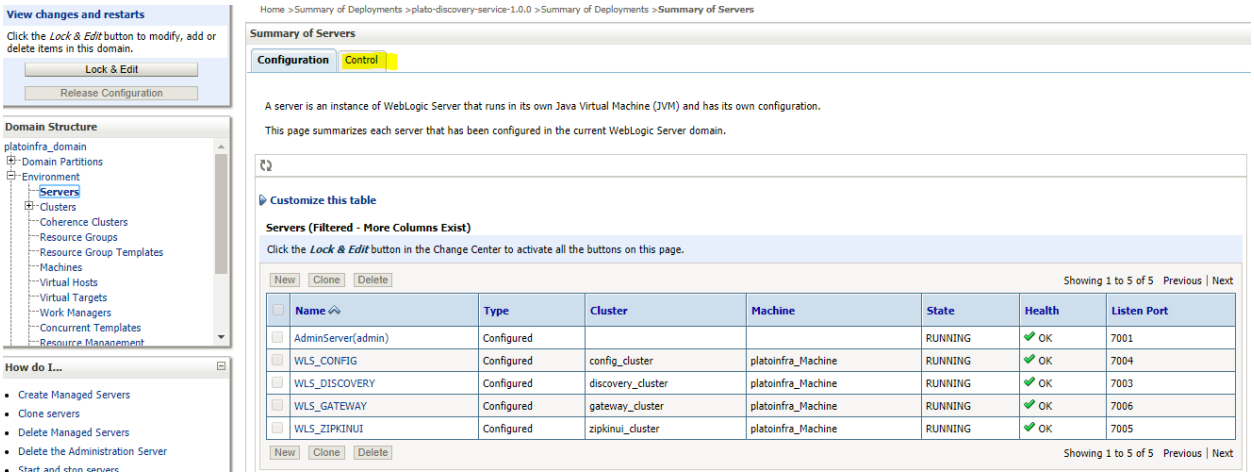
1.4 Restarting Servers

1. Go to **Environment** > **Servers**.

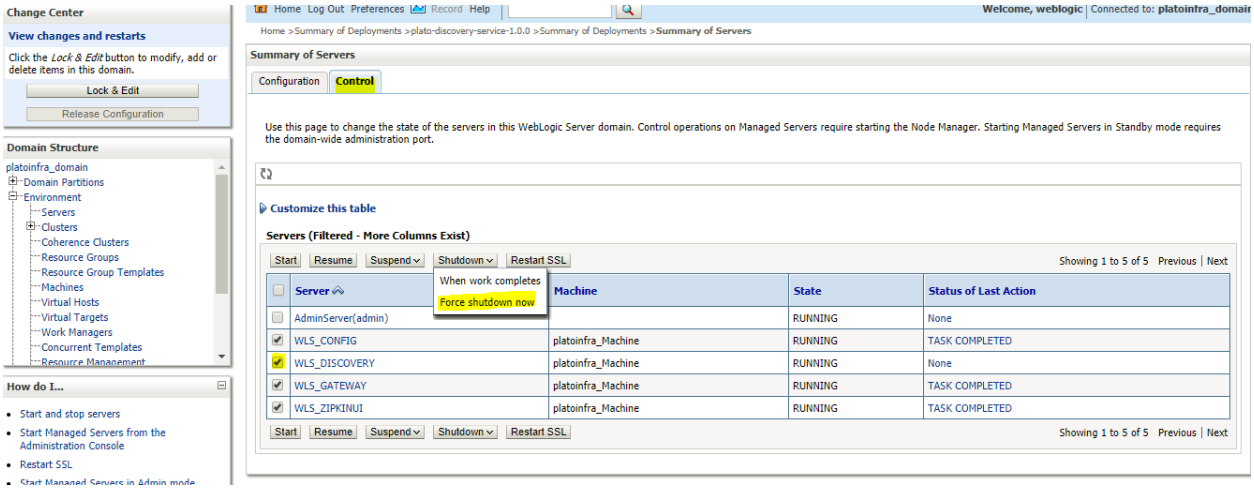




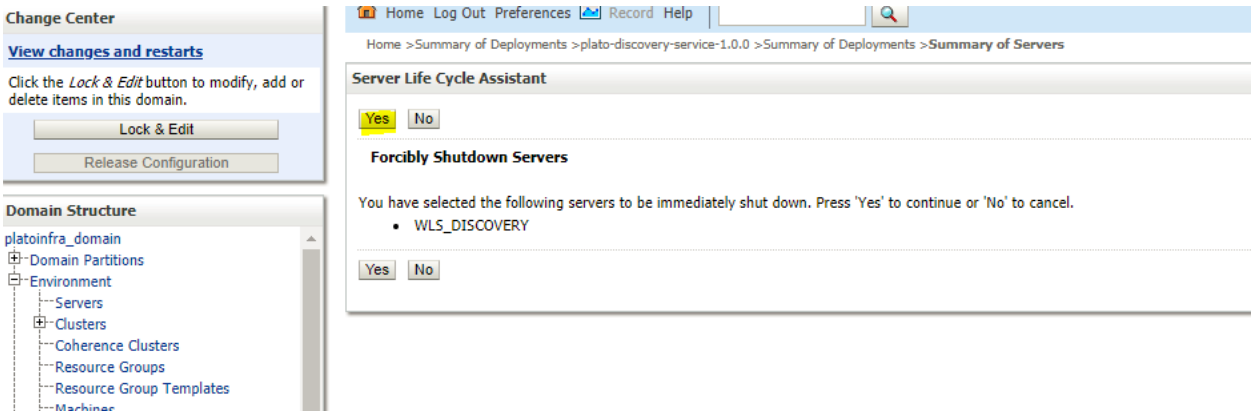
2. Click **Control**.



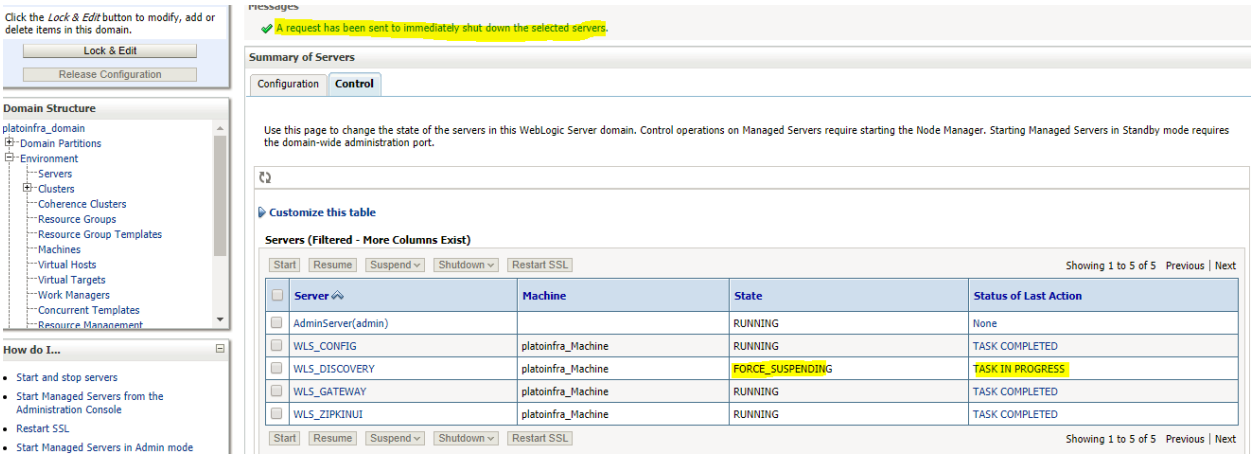
3. Select servers to **shutdown**

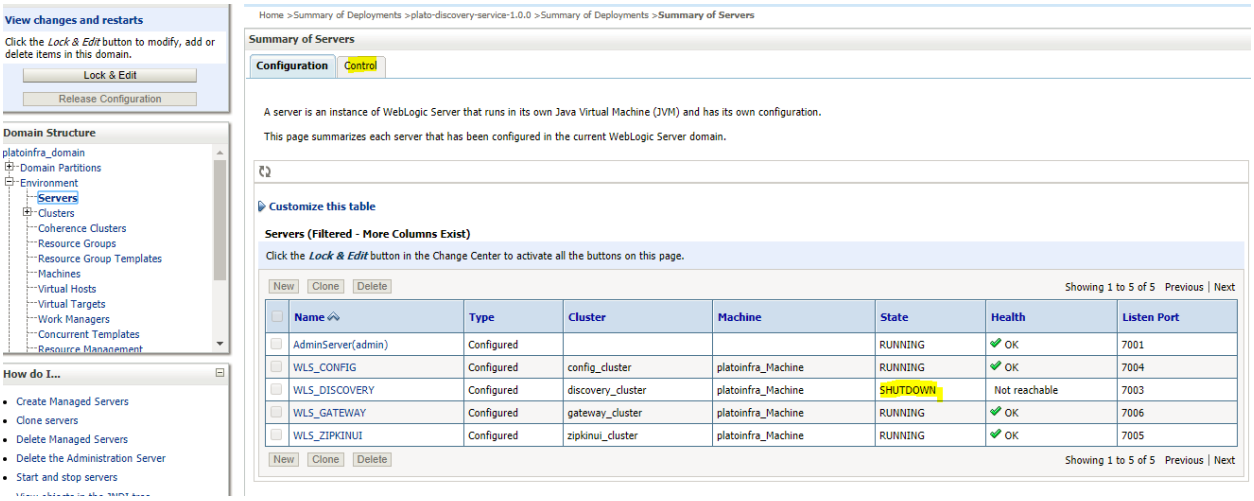


4. Click **Yes** to confirm shutdown.

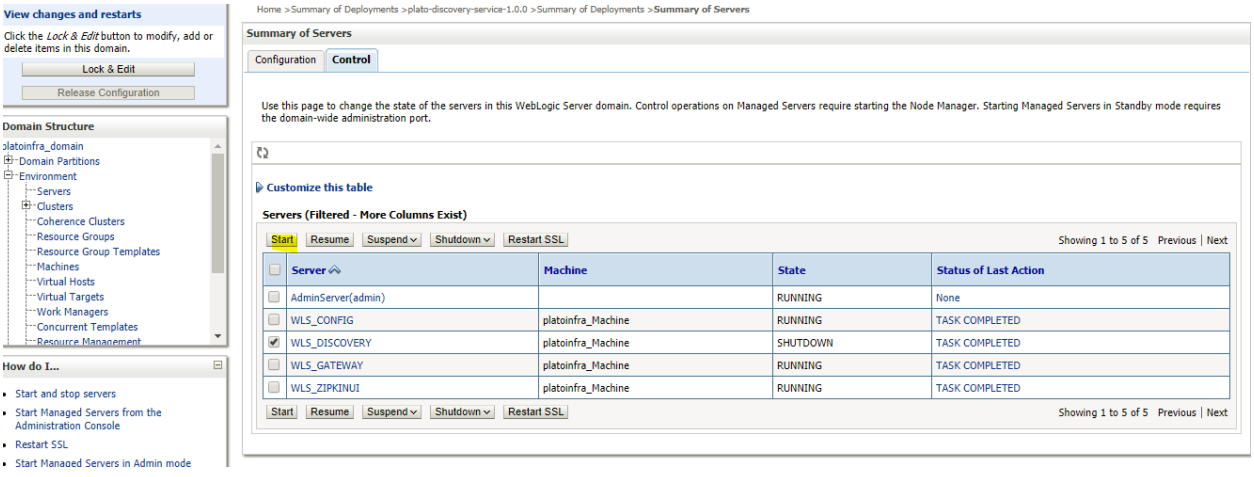


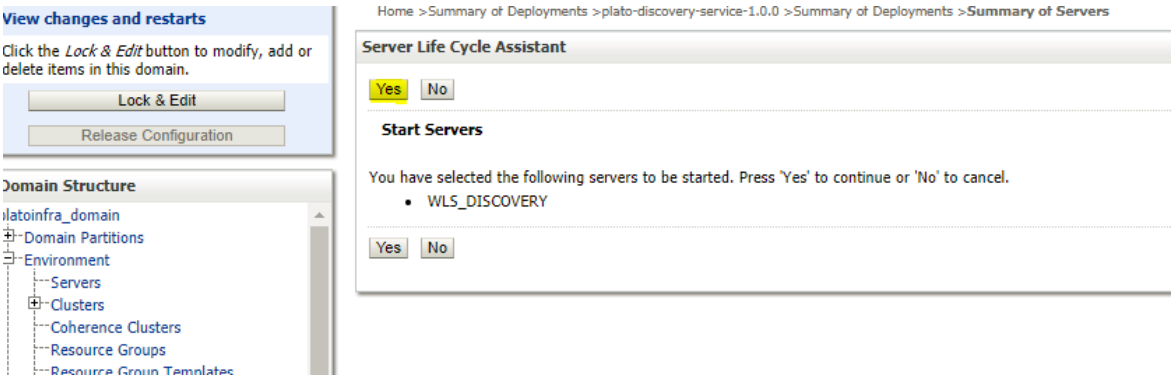
You should see status as shown below (highlighted).

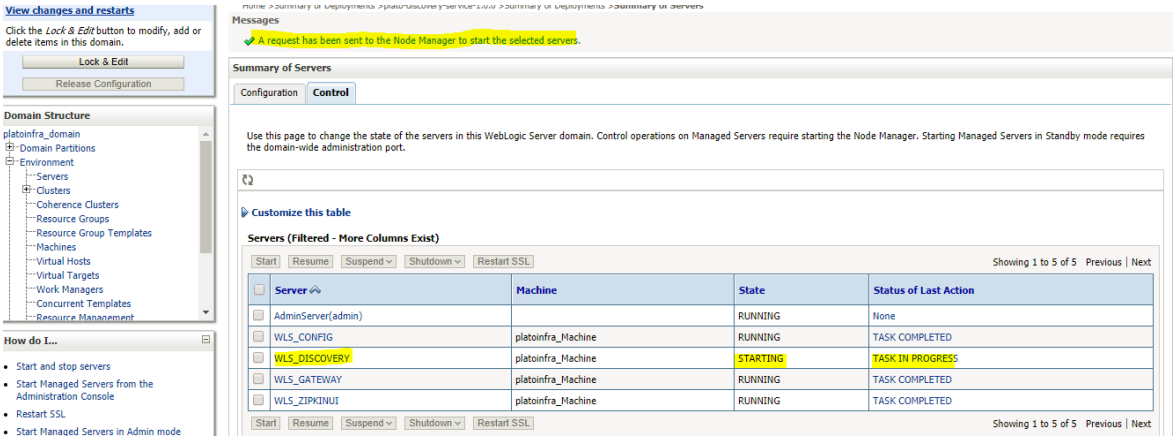




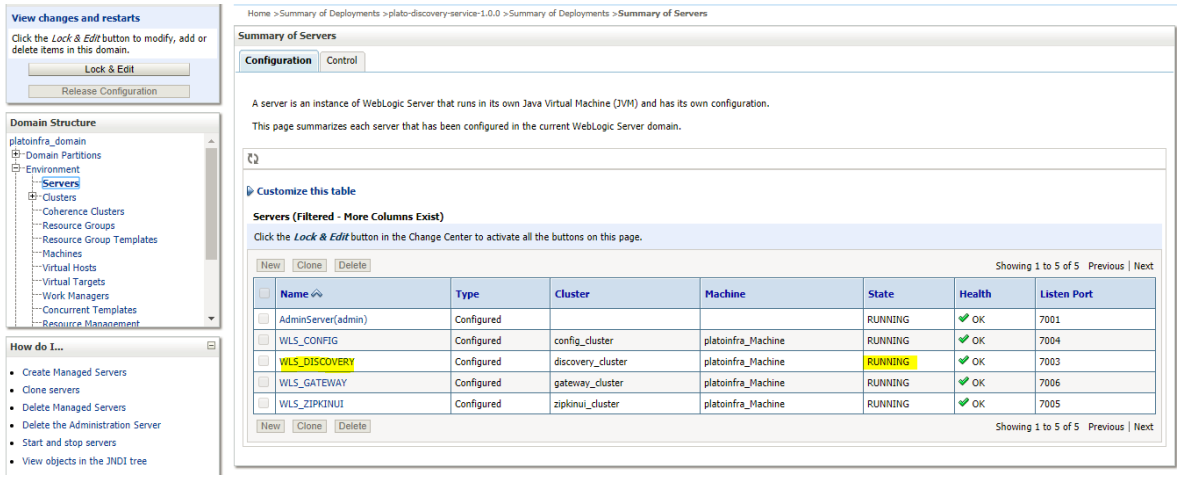
5. Once **shutdown** is completed, go to control and select the servers to **start** and click **yes** to **confirm** action.

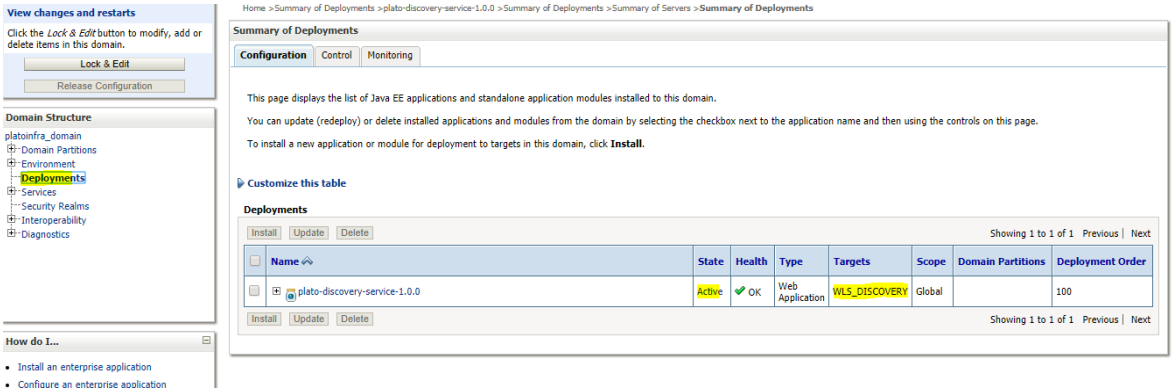






6. When all requested servers are running, go to deployments and check if deployments are in active state.

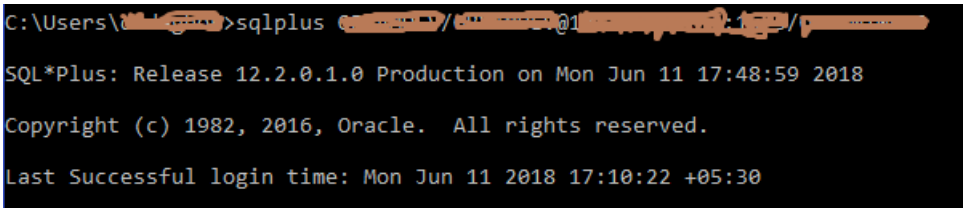




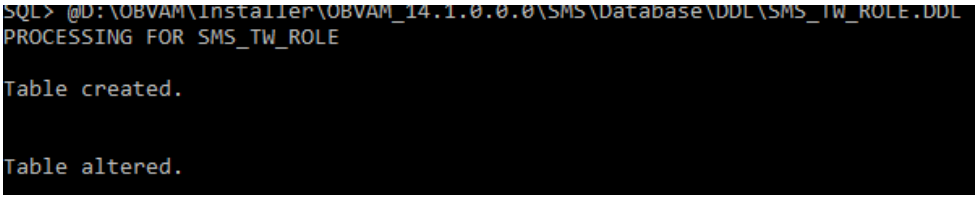
1.5 How to Compile DDL and INC

Steps to compile DDL and INC-
[Note: Below steps are valid, if you are using Oracle Database.]

1. Open **Command Prompt**.
2. Run the command **sqlplus USERNAME/PASSWORD@HostName:PortNo/ServiceName**

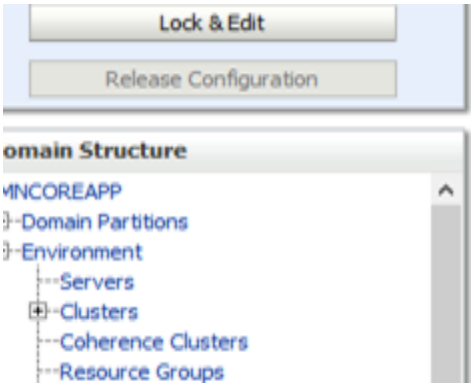


3. Type @ and navigate to your DDL or INC folder. Give fully qualified address of DDL file.
   Example:
   @D:\OBVAM\Installer\OBVAM_14.1.0.0.0\SMS\Database\DDL\SMS_TW_ROLE.DDL

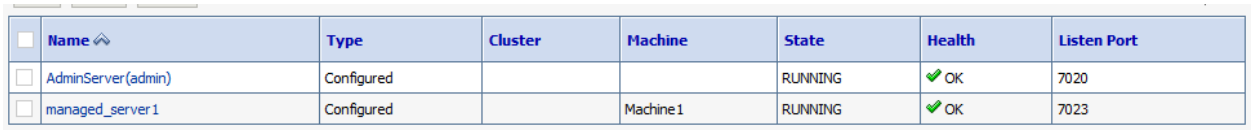


1.6 Checking Port No

1. Login to WebLogic console using user id and password.
2. Click on **Environment** and **Server.**



3. Under Servers (Filtered - More Columns Exist) section you will be able to see all the server listed.



Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured			RUNNING	OK	7020
managed_server1	Configured		Machine1	RUNNING	OK	7023