OBTFPM UI Installation User Guide

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OBTFPM UI Installation User Guide
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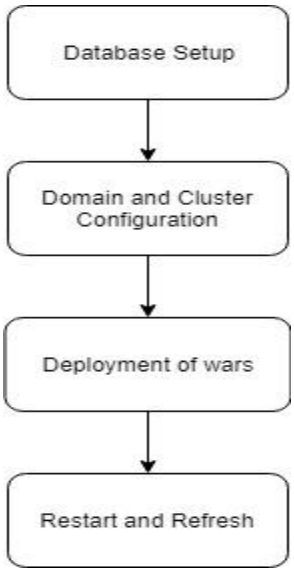
1. Preface

1.1 Introduction

This guide would help you to install the OBTFPM UI on designated environment. It is assumed that all the prior setup is already done related with WebLogic managed server creation. It is recommended to use dedicated managed server for OBTFPM UI.
The installation procedure includes a series of steps that are defined in subsequent sections for the deployment of services. Section 2 explains the procedure to perform the domain and cluster configuration. This setup includes the creation of domains and clusters in the weblogic server. After the domain creation is done, the war files of each of the services are deployed. Section 3 covers the procedure to deploy each of the application war files into the servers. Section 4 explains the procedure to restart and refresh the server after final deployments.



1.2 Audience

This document is intended for WebLogic admin or ops-web team who are responsible for installing the OFSS banking products.

1.3 Documentation Accessibility

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

1.4 Organization

This installation user guide would allow you to install following -

1. OBTFPM UI

1.5 Related documents

- Day 0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Installer Product_14.3.0.0.0_Installation_Guide

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- Oracle Banking Trade Finance Process Management Annexure
- Oracle Banking Trade Finance Process Pre-Installation Guide
- Process Flow Services Installation Guide
- Plato Infrastructure Services Installation Guide
- SSL Setup Guide

2. Domain and Cluster Configuration

2.1 OBTFPM UI Domain Configuration

2.1.1 Prerequisites

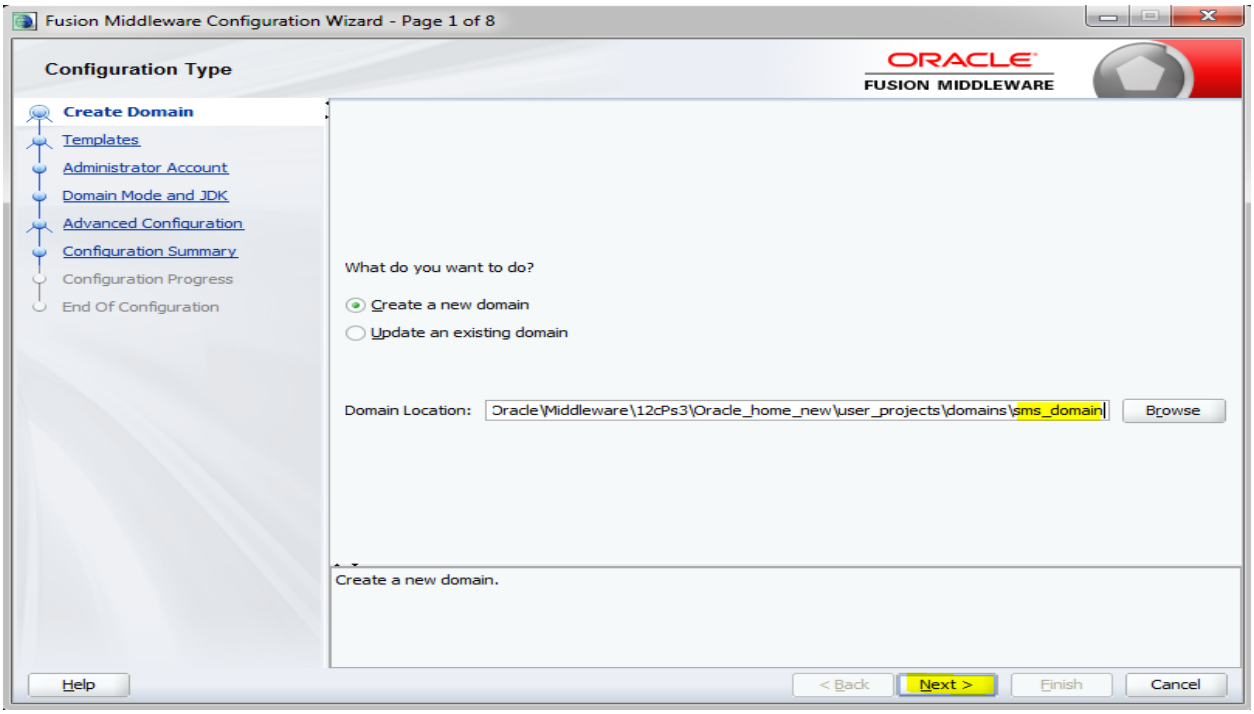
Machine should have Java JDK1.8.0_202 has installed.
Oracle Fusion Middleware 18c (18.3), 12.2.1.3 has to be installed on the machine.

2.1.2 Steps to Create Domain

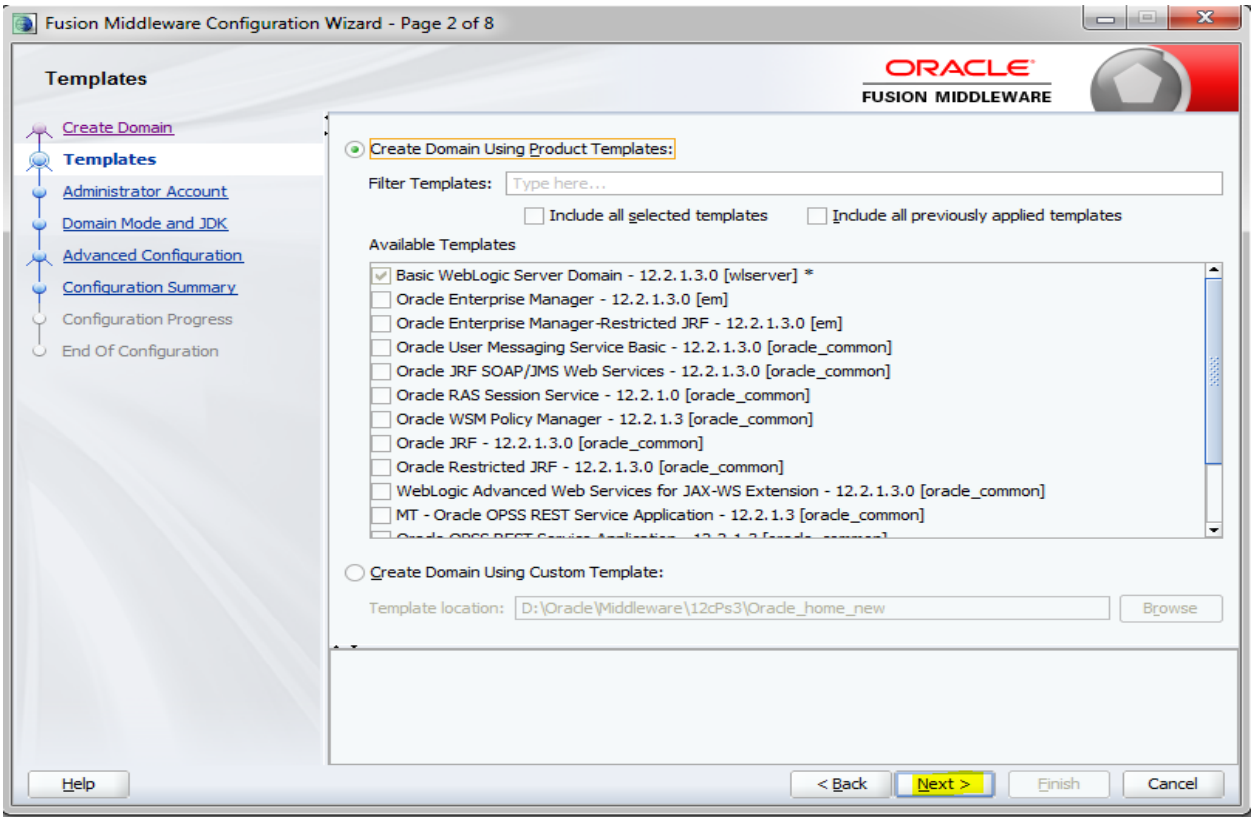
[Note: **Name need not to be same as provided in Screen shot and domain name are used for write document**]

Goto */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.

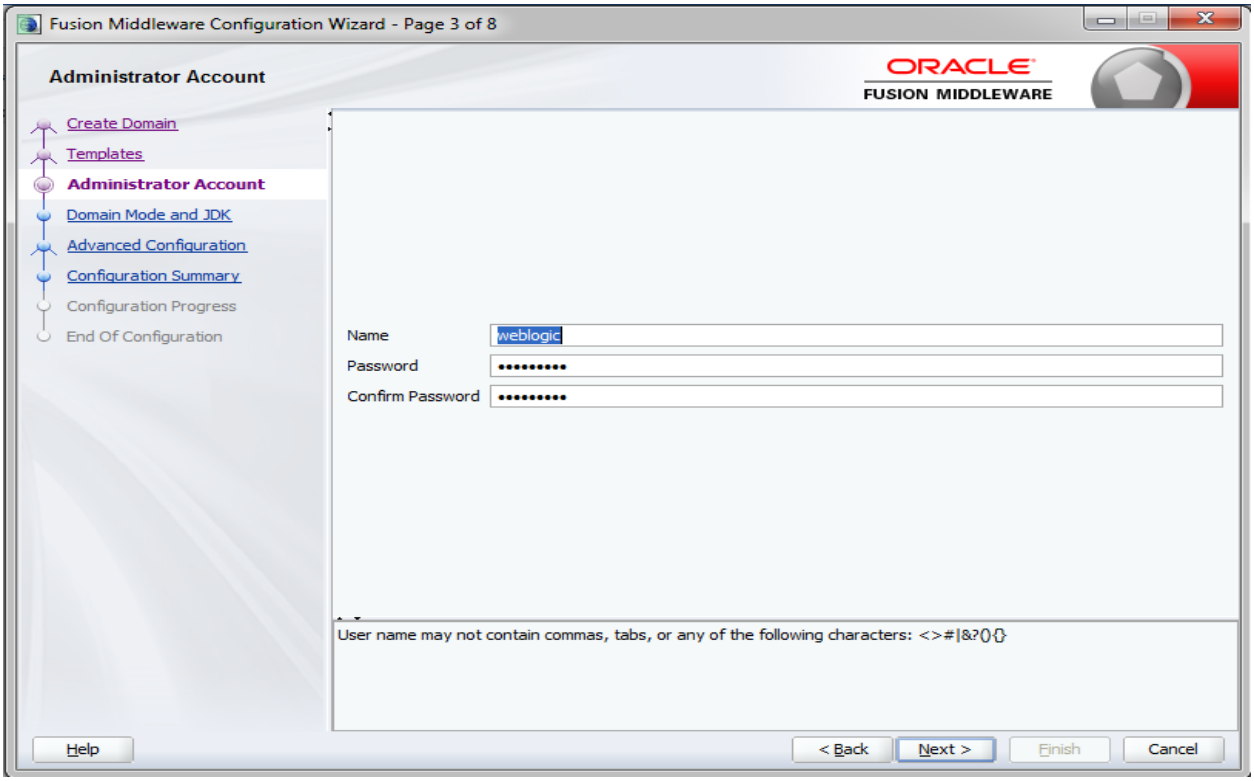
1. Create a new domain with name "**sms_domain**".



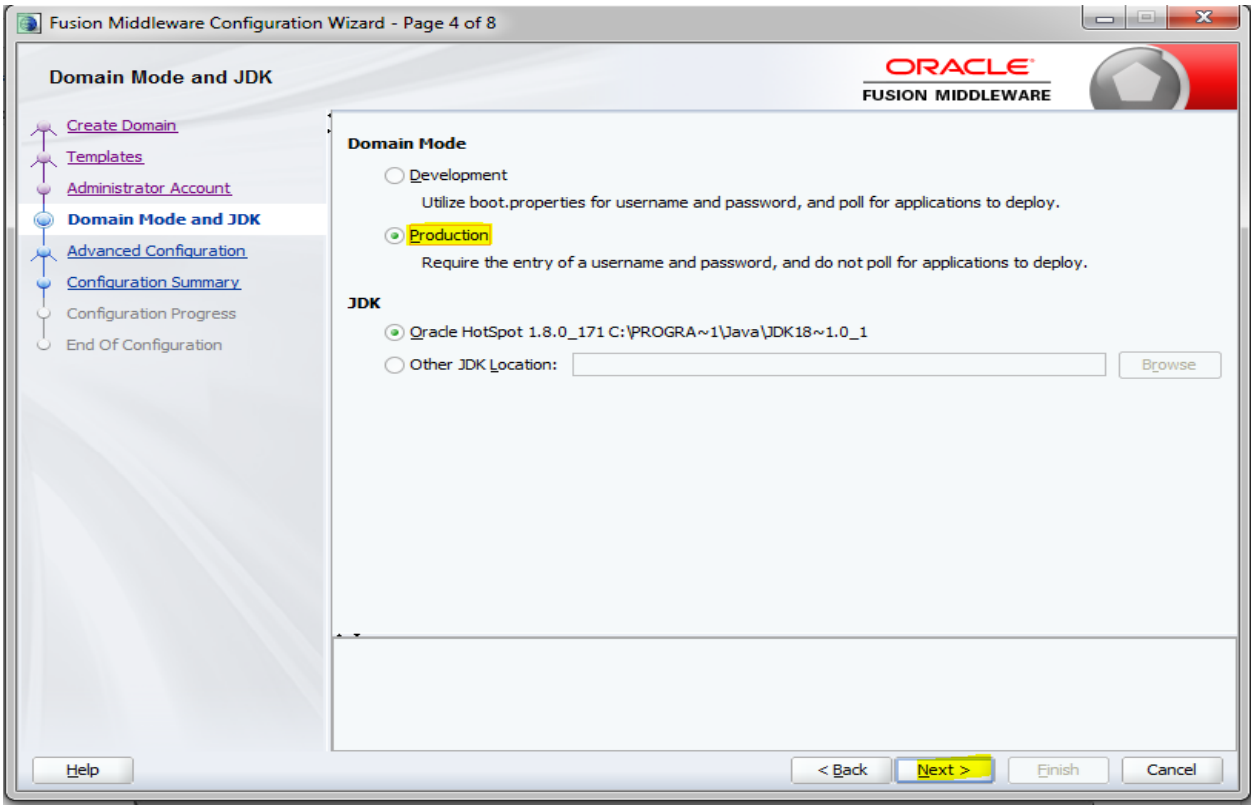
2. Use default templates and click next



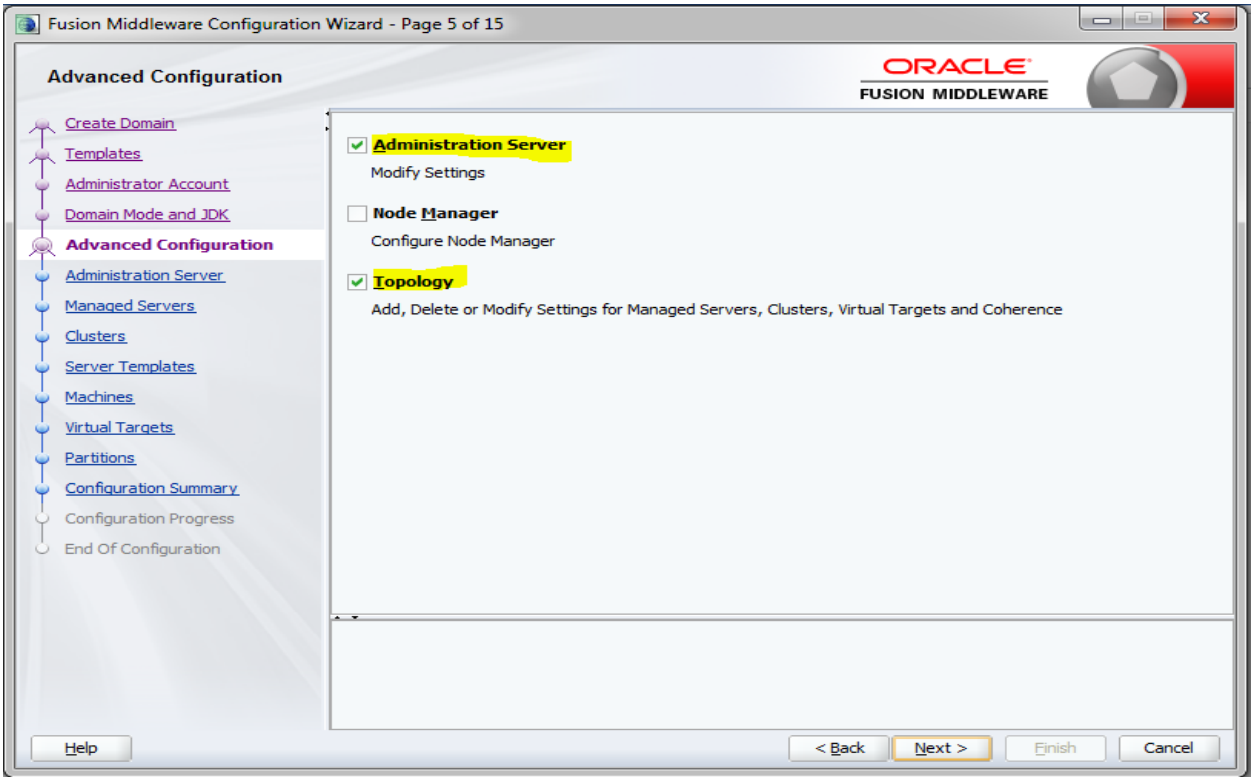
3. Give password and confirm and click next.



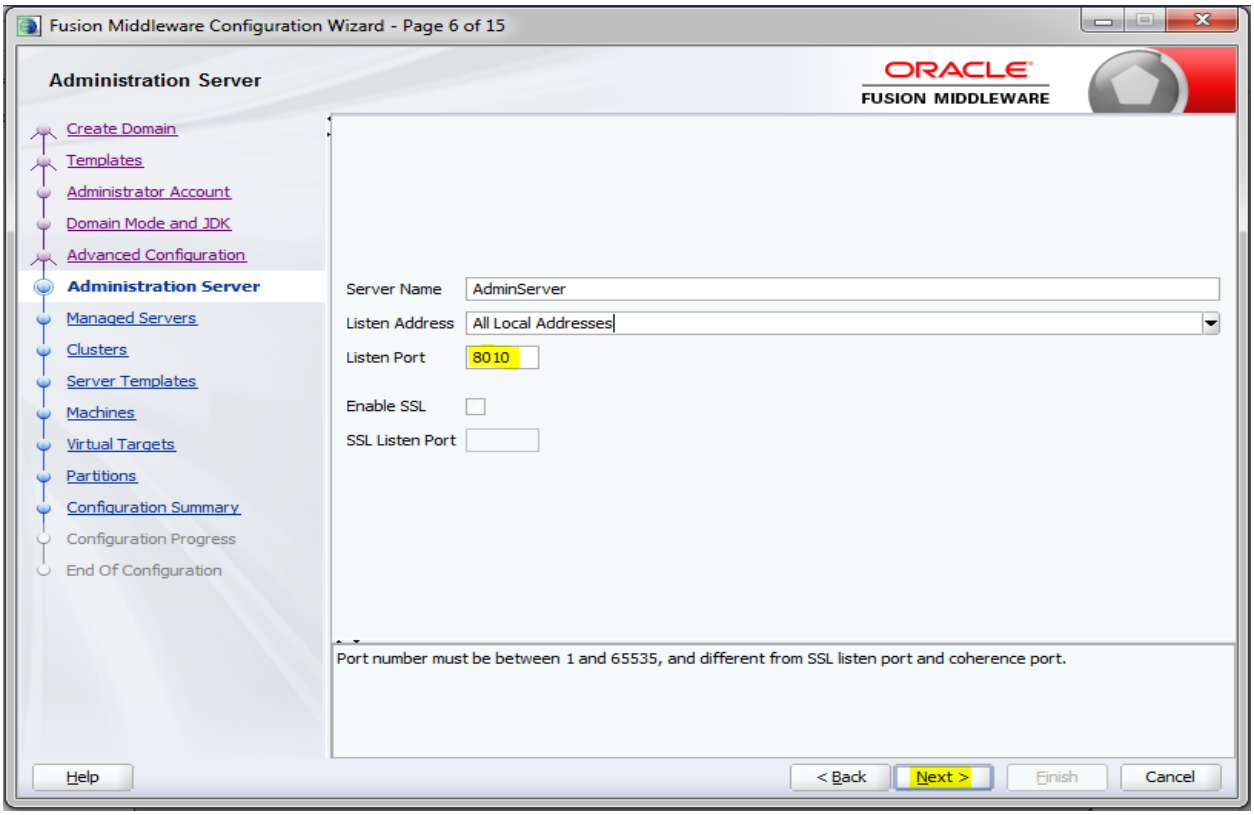
4. Select production mode and jdk and click next.



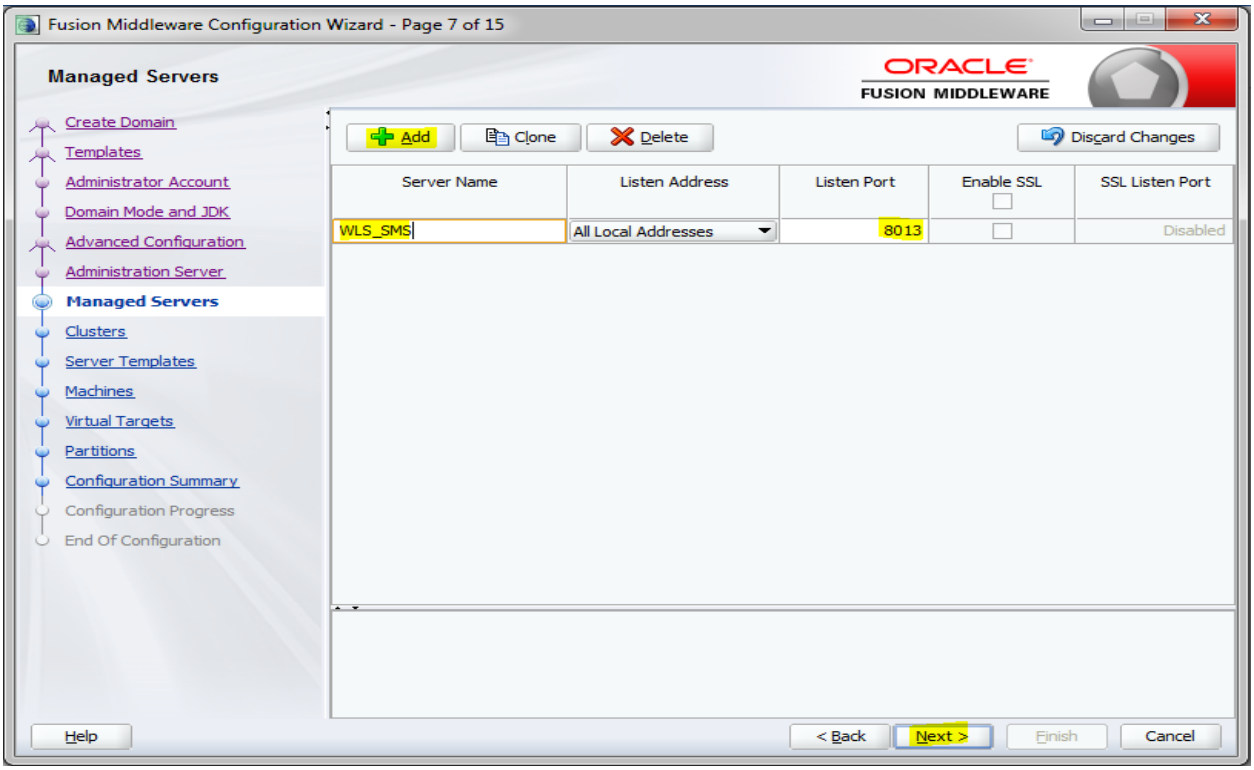
5. Select Administration and Topology in advanced configuration.



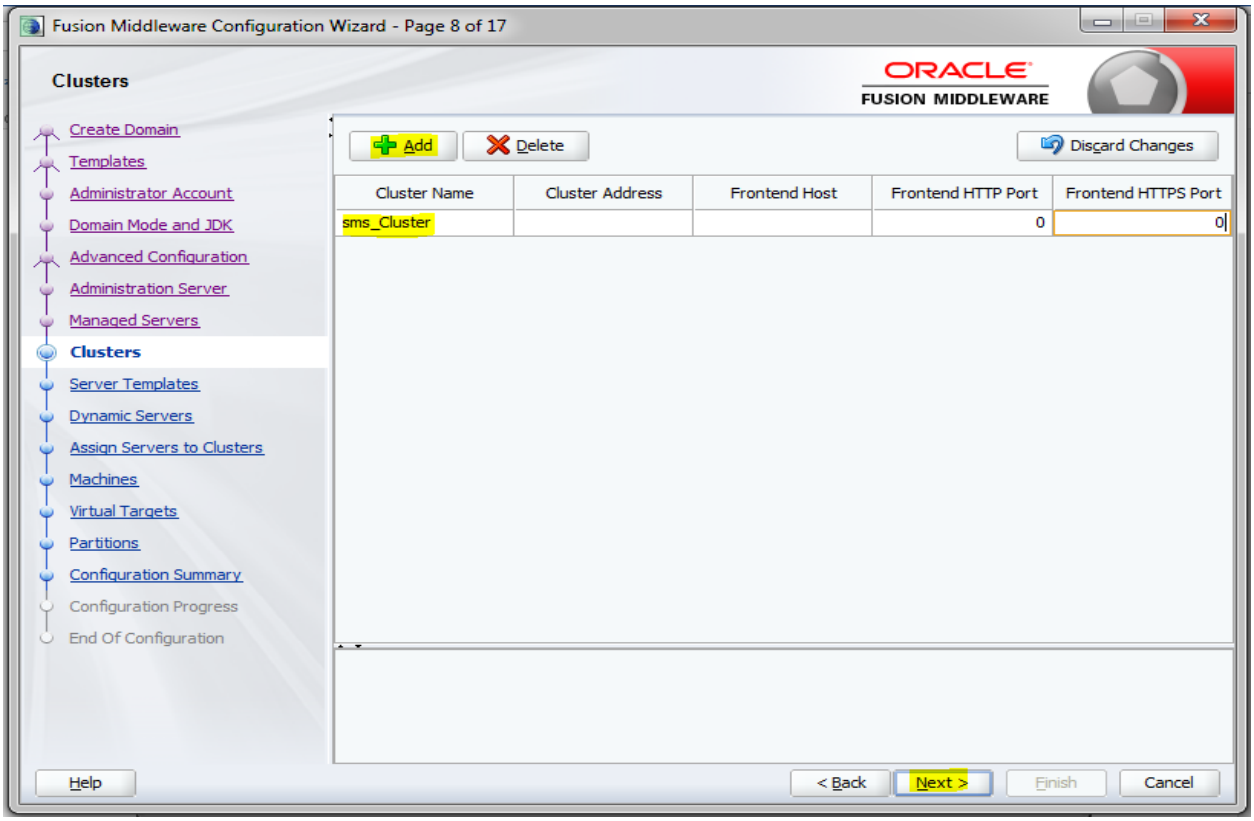
6. Configure port and listen addresses and Click next.



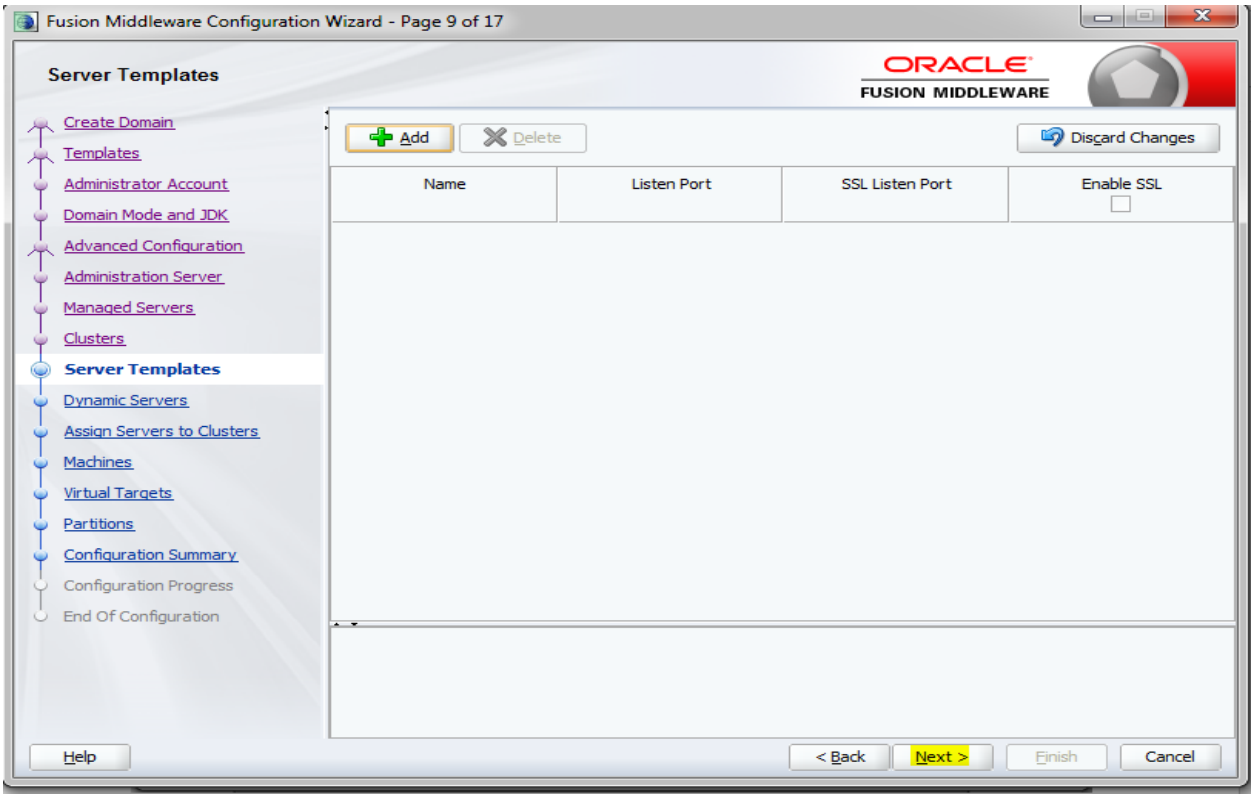
7. Create new Managed Server ‘WLS_SMS’, configure listen port and address and click next.

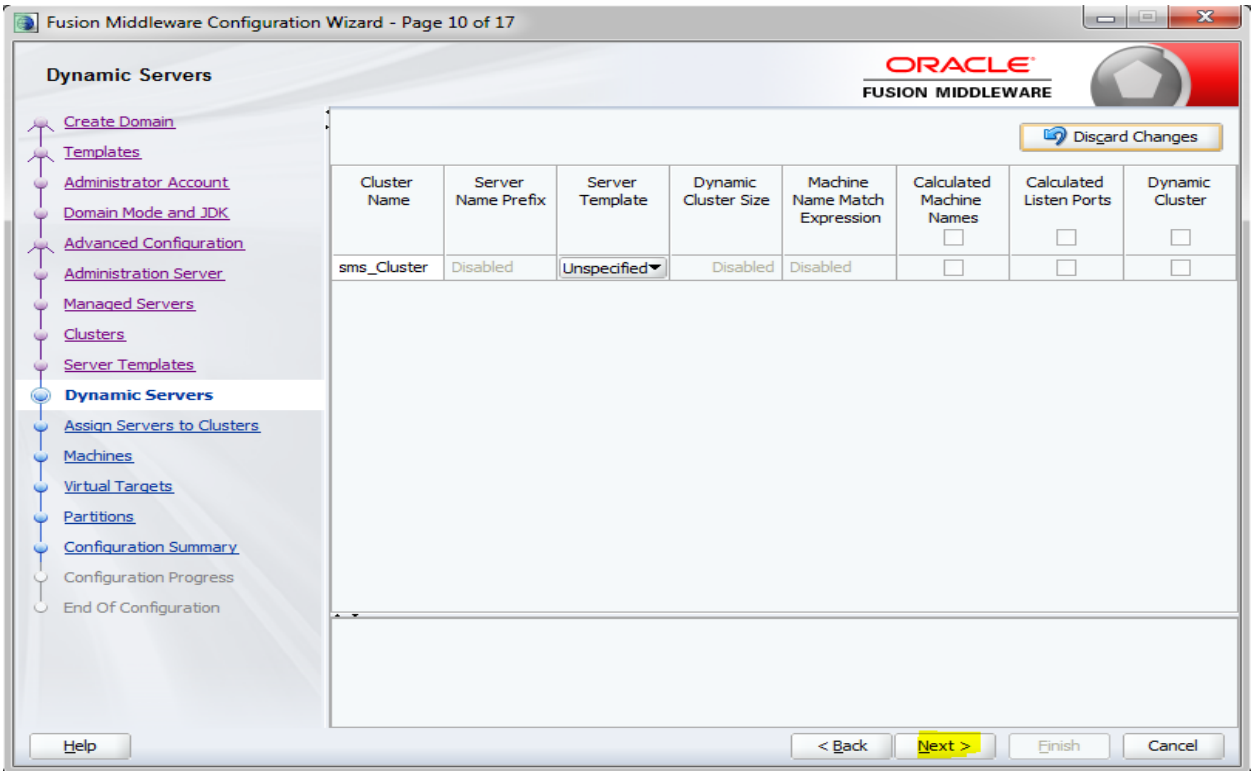


8. Create cluster ‘sms_Cluster’ for the managed server for one to one node mapping.

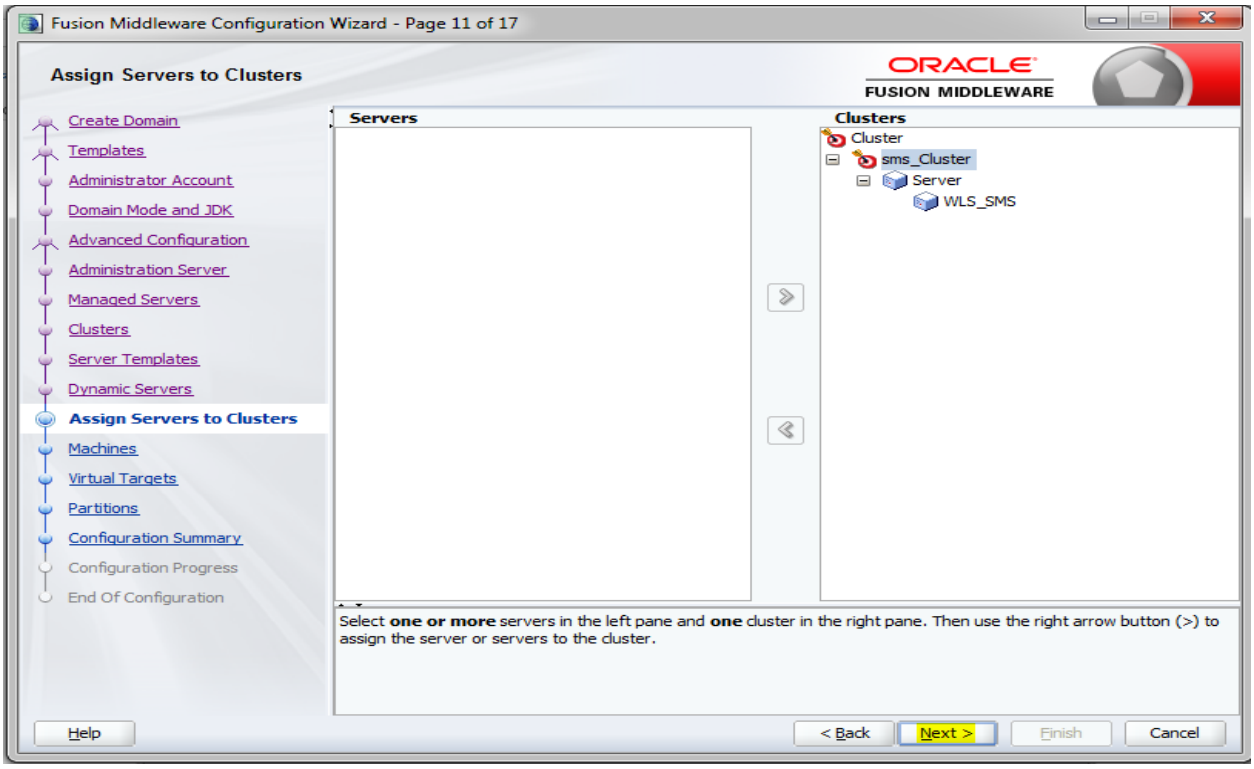


9. Skip Server templates and dynamic Servers or configure as required.

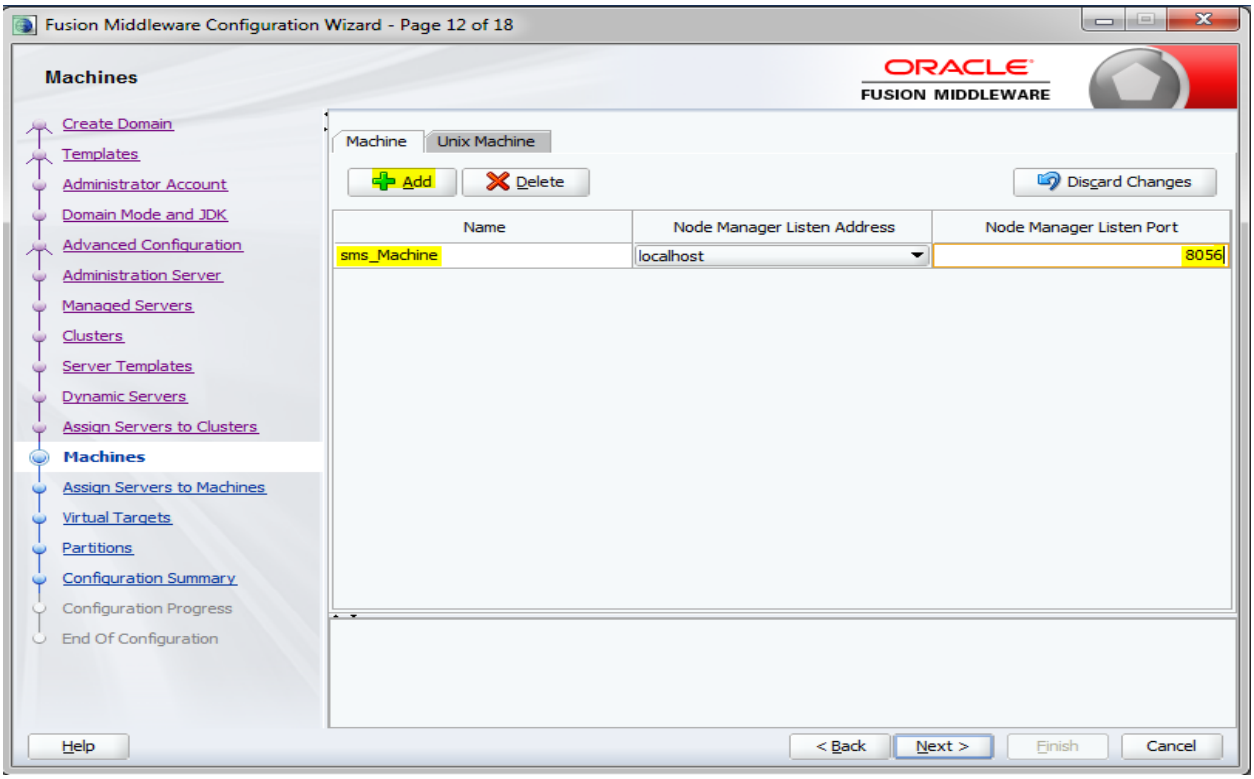




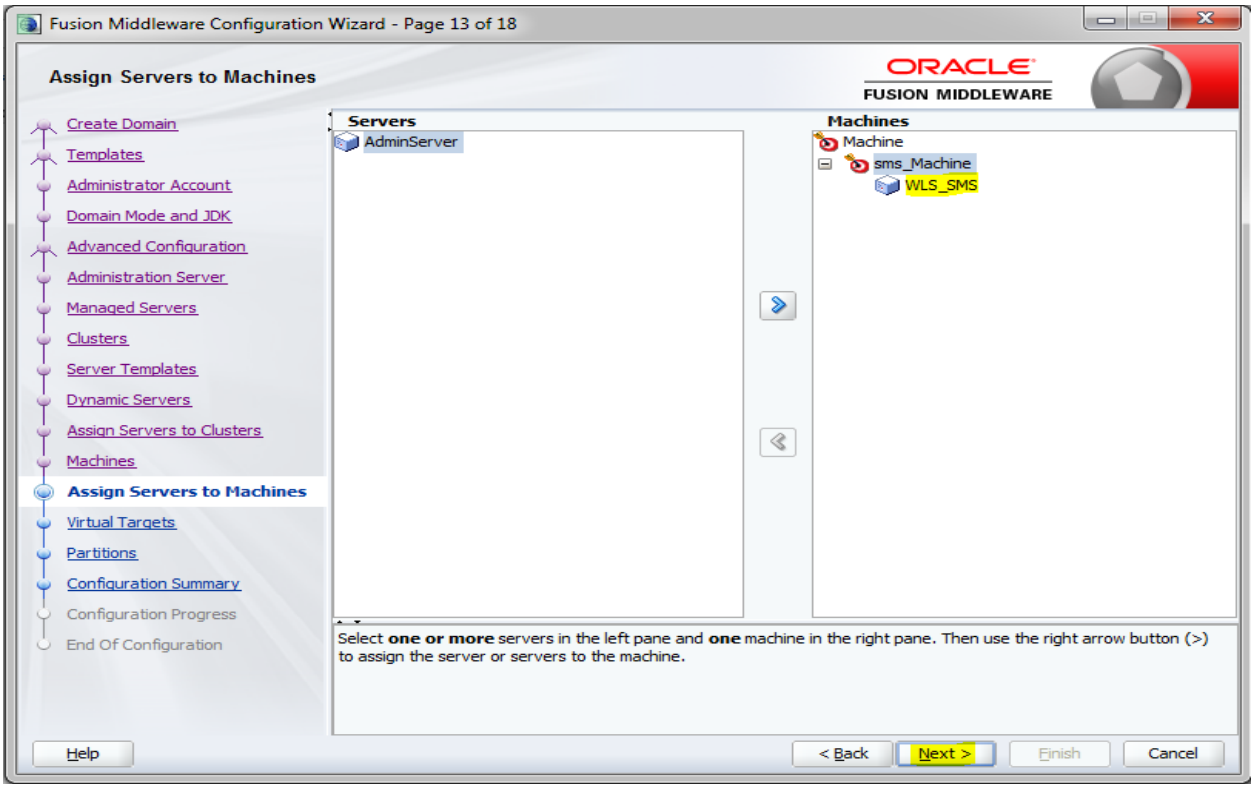
10. Map WLS_SMS managed server to sms_Cluster



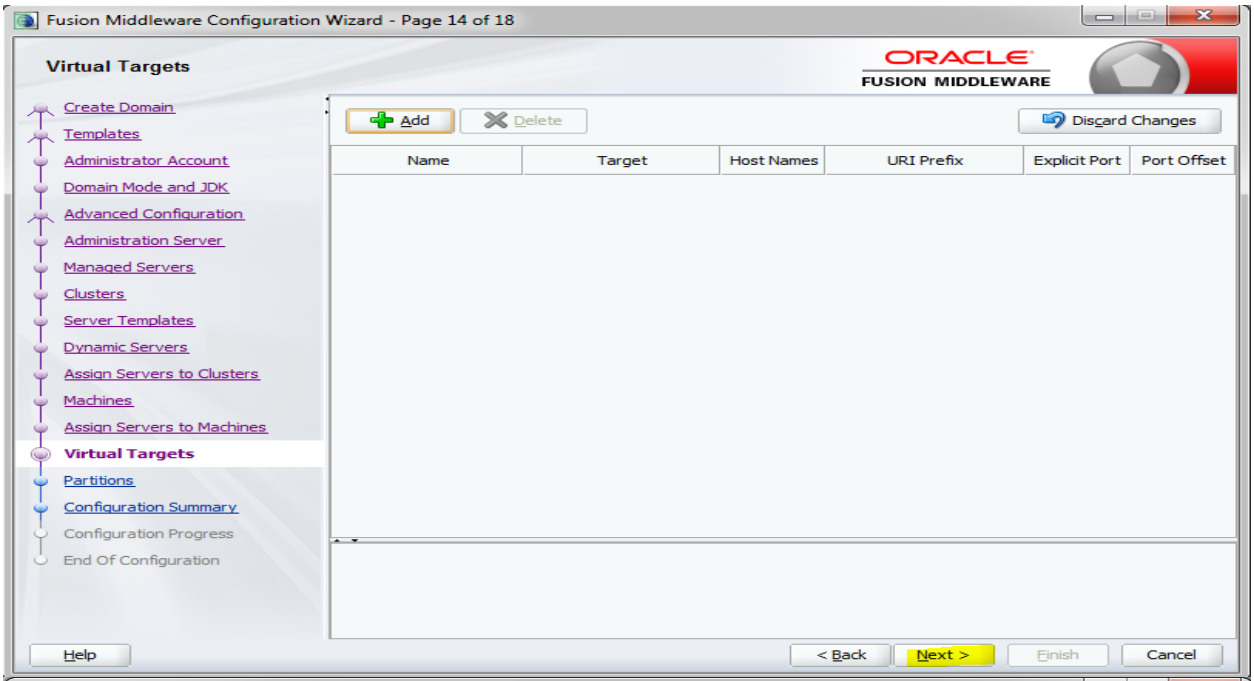
11. Add new machine (unix machine if operating system is Unix) with name sms_Machine and configure node manager listen port.

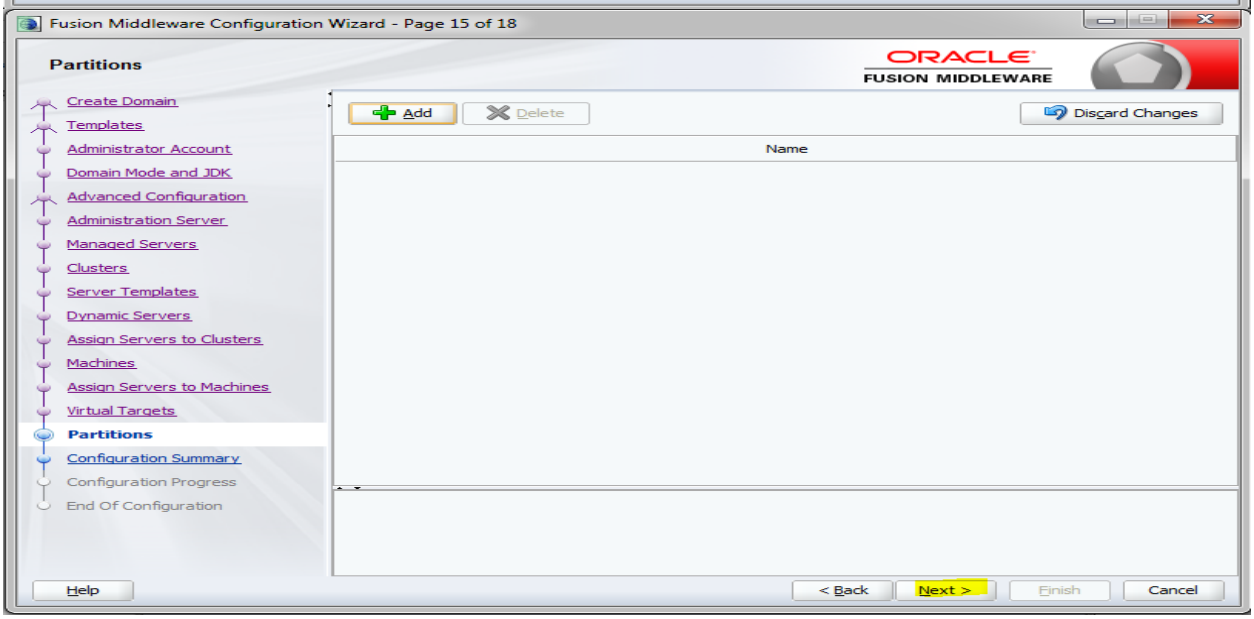


12. Add managed server to sms_Machine

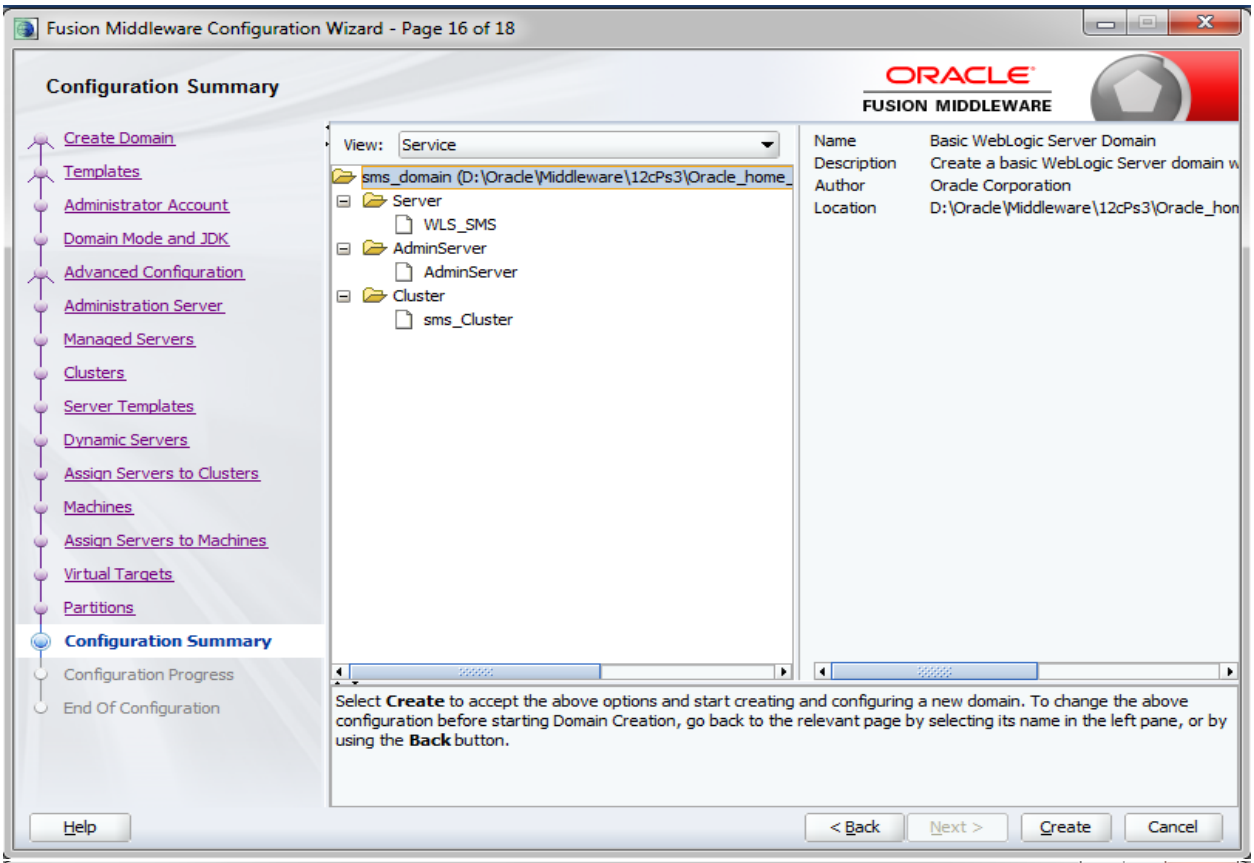


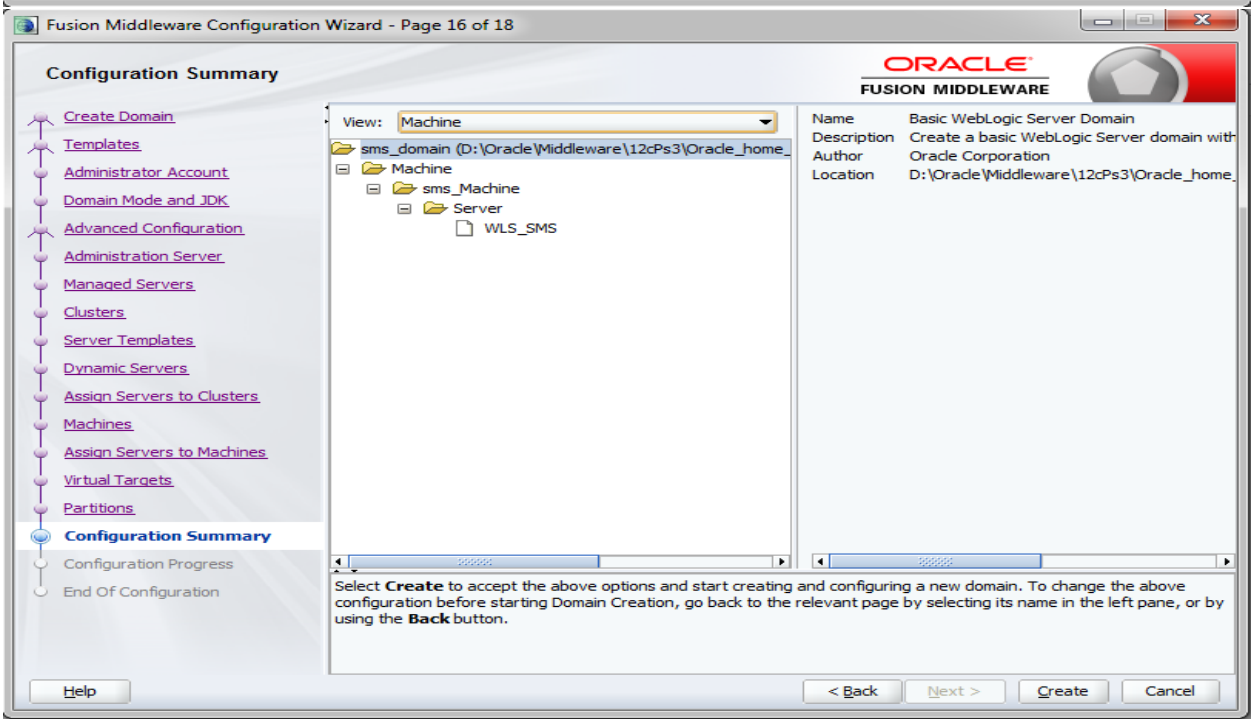
13. Skip virtual targets and partitions or configure as required.





14. Check the configuration summary, confirm and click create


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: Service
sms_domain (D:\Oracle\Middleware\12cPs3\Oracle_home_
Server
WLS_SMS
AdminServer
AdminServer
Cluster
sms_Cluster
Name Basic WebLogic Server Domain
Description Create a basic WebLogic Server domain w
Author Oracle Corporation
Location D:\Oracle\Middleware\12cPs3\Oracle_hon
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
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
sms_domain (D:\Oracle\Middleware\12cPs3\Oracle_home_
Machine
sms_Machine
Server
WLS_SMS
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

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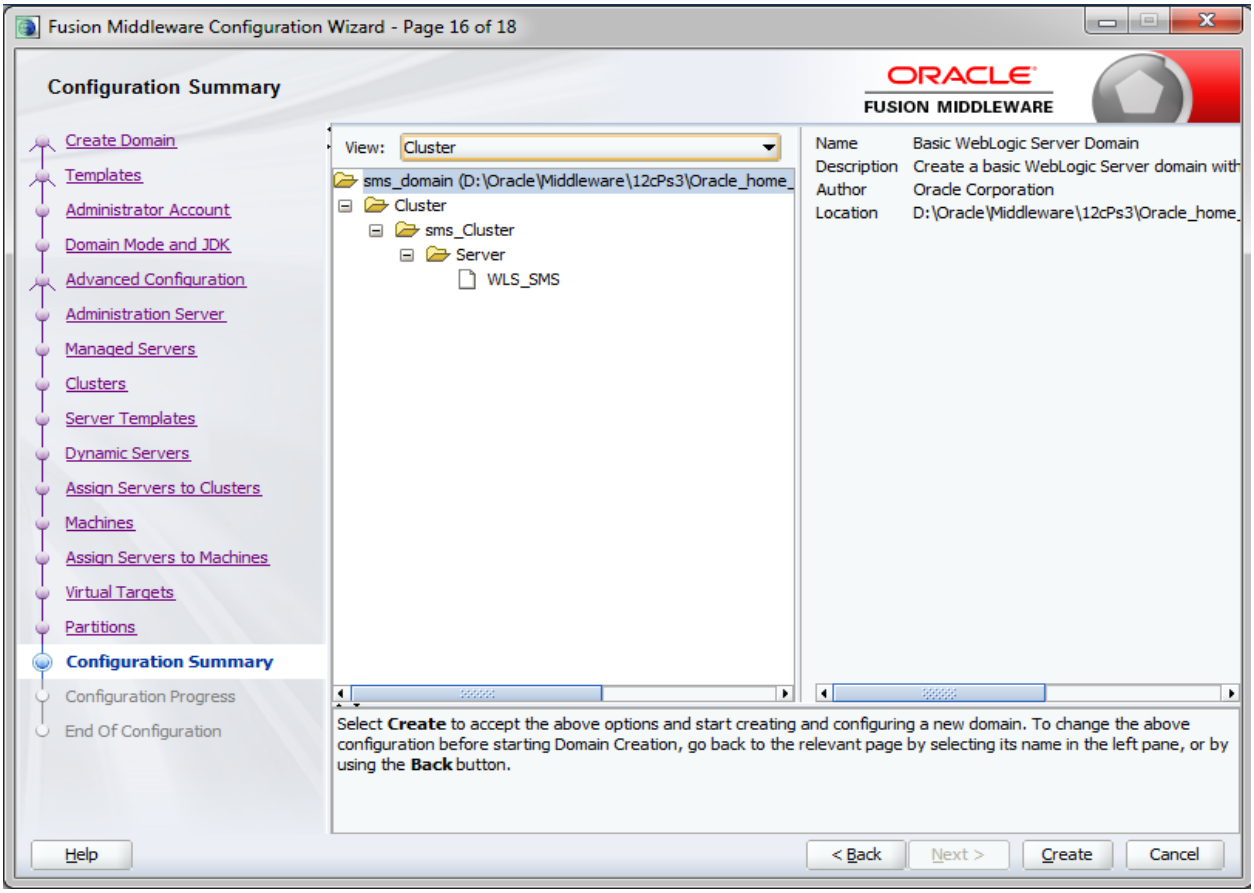
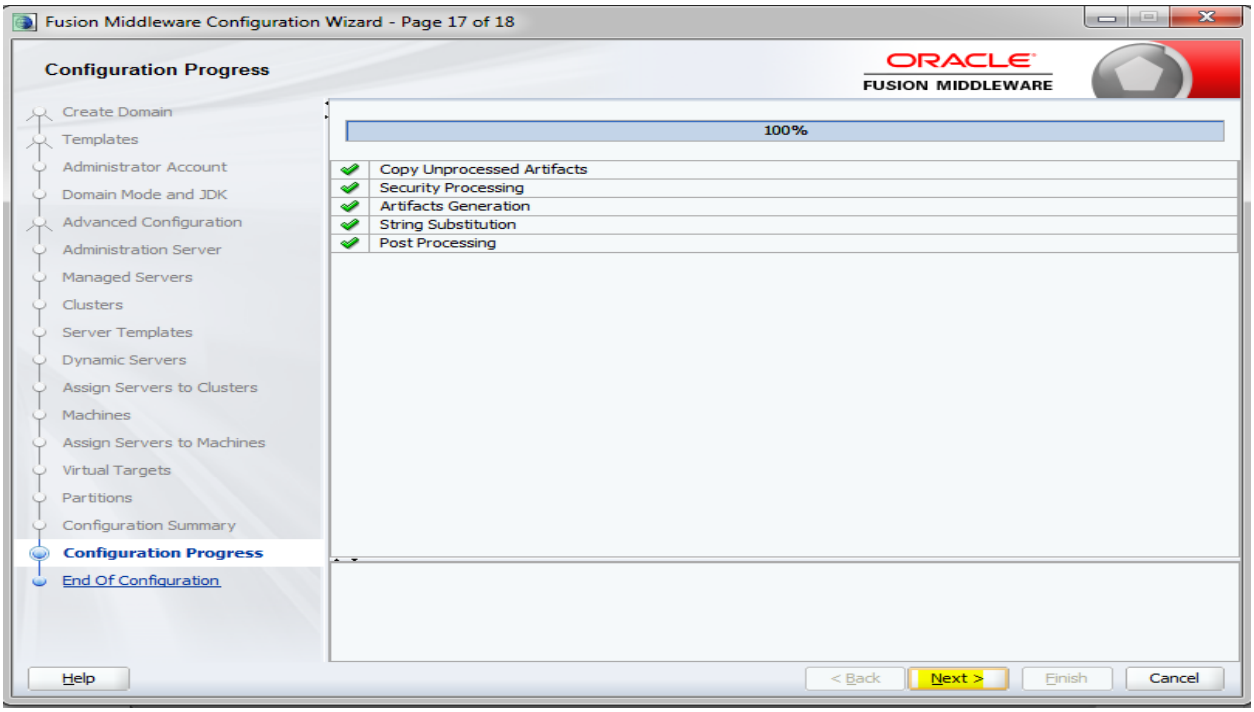
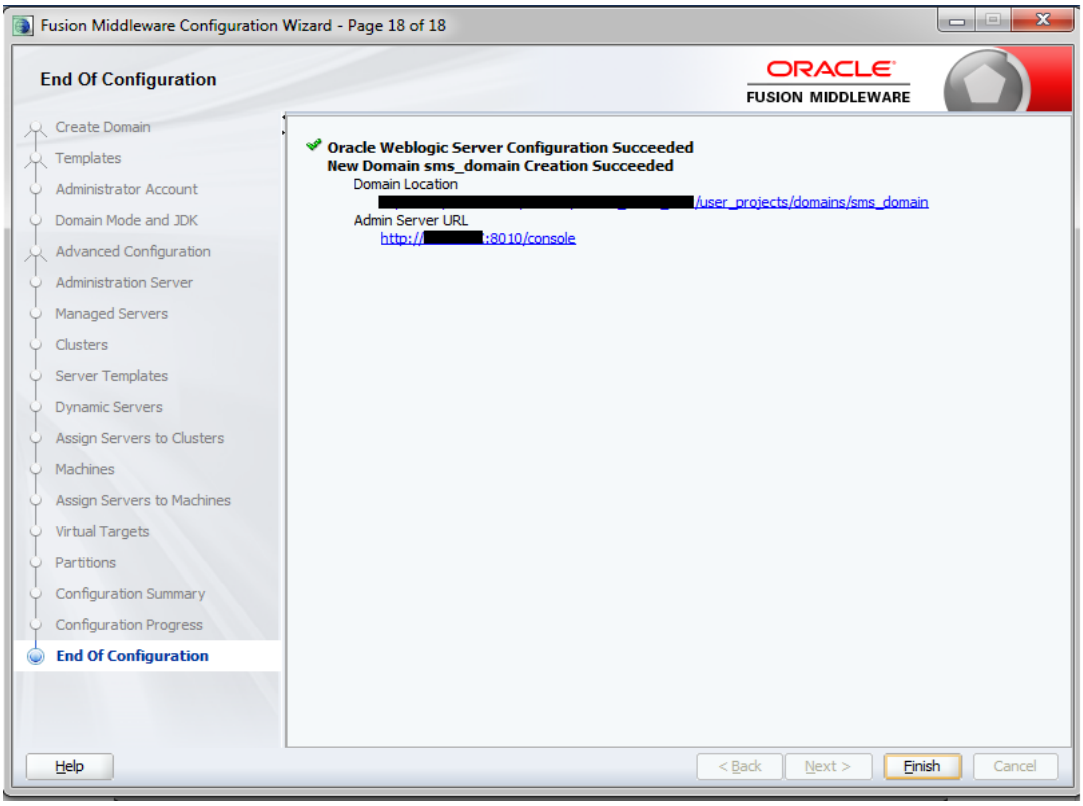


15. Click next and finish the creation of domain.



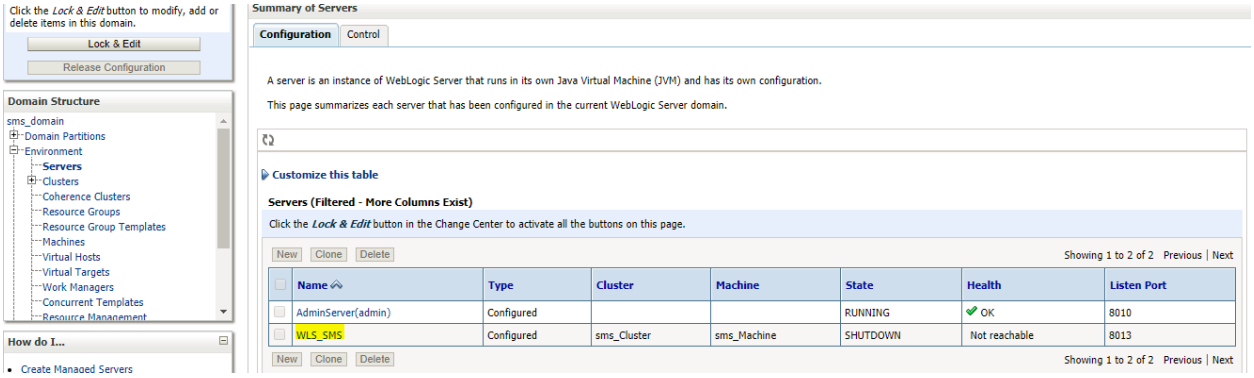


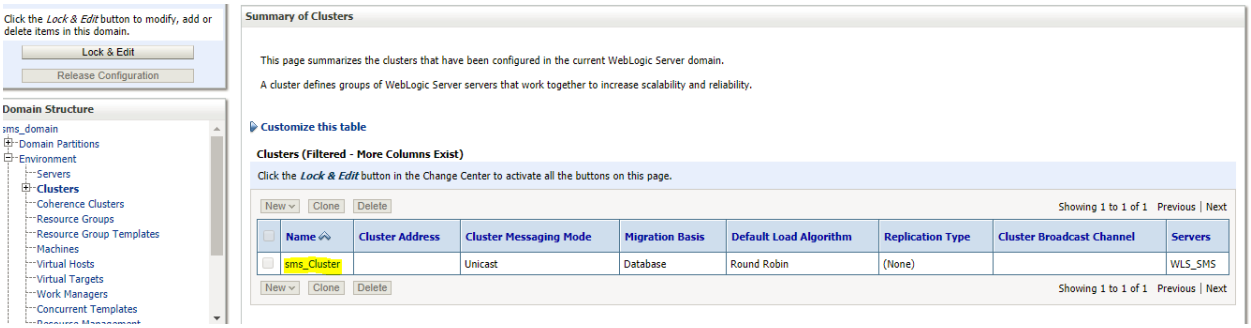
2.1.3 Post Domain creation configurations

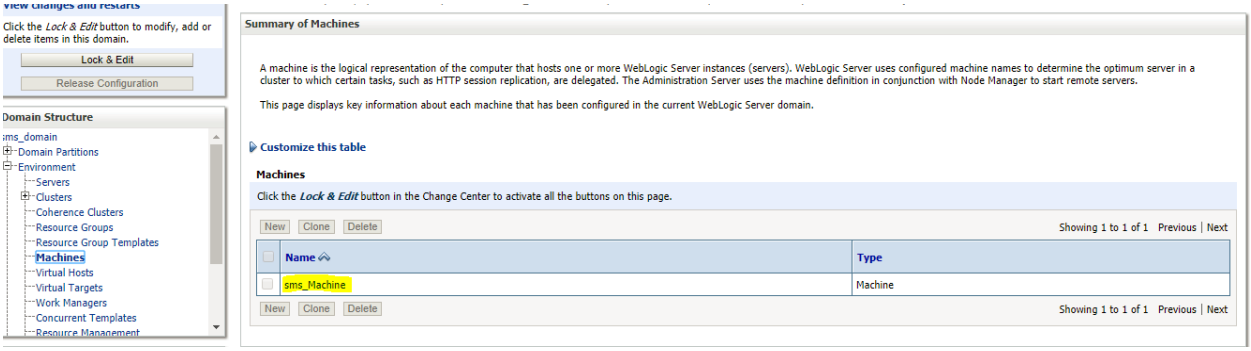
Once finished, refer oracle fusion middleware documents for more details on how to start admin server, node manager and managed servers.

1. Create boot.properties file under /user_projects/domains/XXXXdomainNameXXX/servers/AdminServer/security
2. Edit boot.properties and give username and password details.
3. Goto /user_projects/domain/sms_domain/bin
4. Run startWeblogic.cmd (or .sh if operating system is linux)
5. Goto /user_projects/domains/ sms _domain/bin
6. Run setNMJavaHome.cmd (.sh)
7. Navigate to domains / user_projects /base_domain/bin , open setDomainEnv.cmd (.sh if OS is linux) and add “-Dplato.services.gateway.uri” and “-Dapigateway.url” for seting up api-gateway url.
   Sample -
   JAVA_OPTIONS="${JAVA_OPTIONS} -Dplato.services.gateway.uri=http://$api-gateway-host: $api-gateway-port -Dapigateway.url=http:// $api-gateway-host: $api-gateway-port
   Here $api-gateway-host and $api-gateway-port needs to be replaced with actual host and port.
8. Goto /user_projects/domains/ sms _domain/nodemanager
9. And edit nodemanager.properties as required(securelistner = false if ssl and keystore is not given) And in admin console also Goto Machines- > sms_Machine -> Node Manager -> Type -> Plain -> Save
10. Goto /user_projects/domains/ sms _domain/bin
11. Run startNodeManager.cmd (or .sh if operating system is linux)
12. Start all managed servers.

Login console and verify servers and clusters







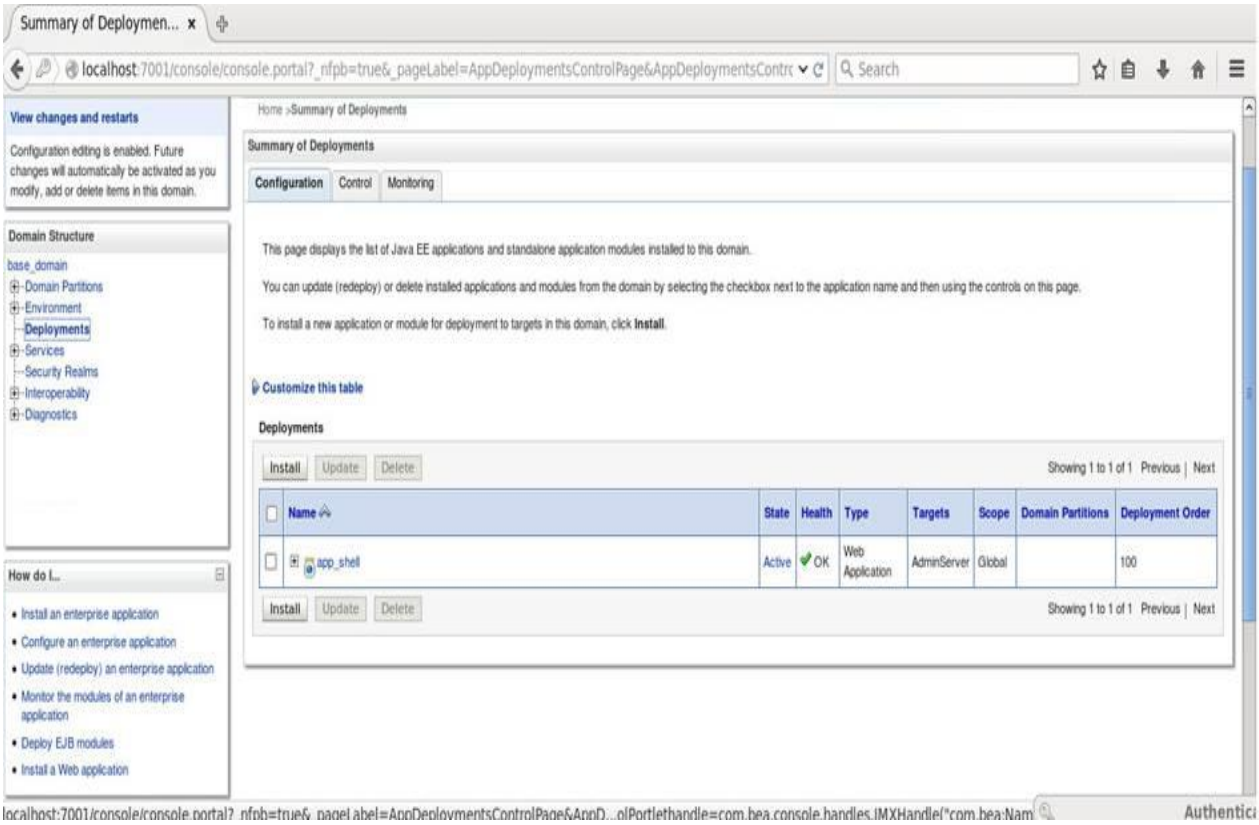
3. Deployments

3.1 Steps to deploy as application

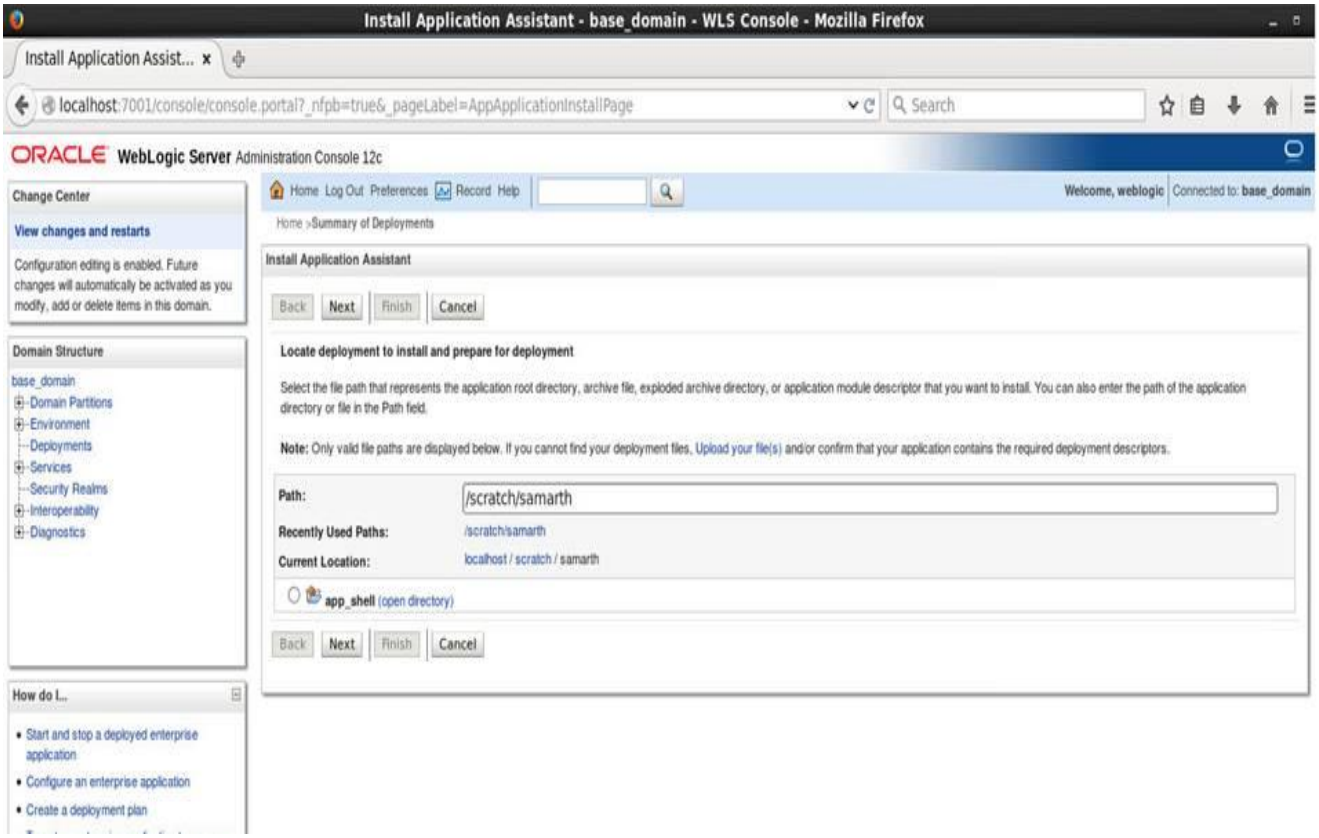
[Note : Server names, Domain names need not to be same as this doc provides]

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.

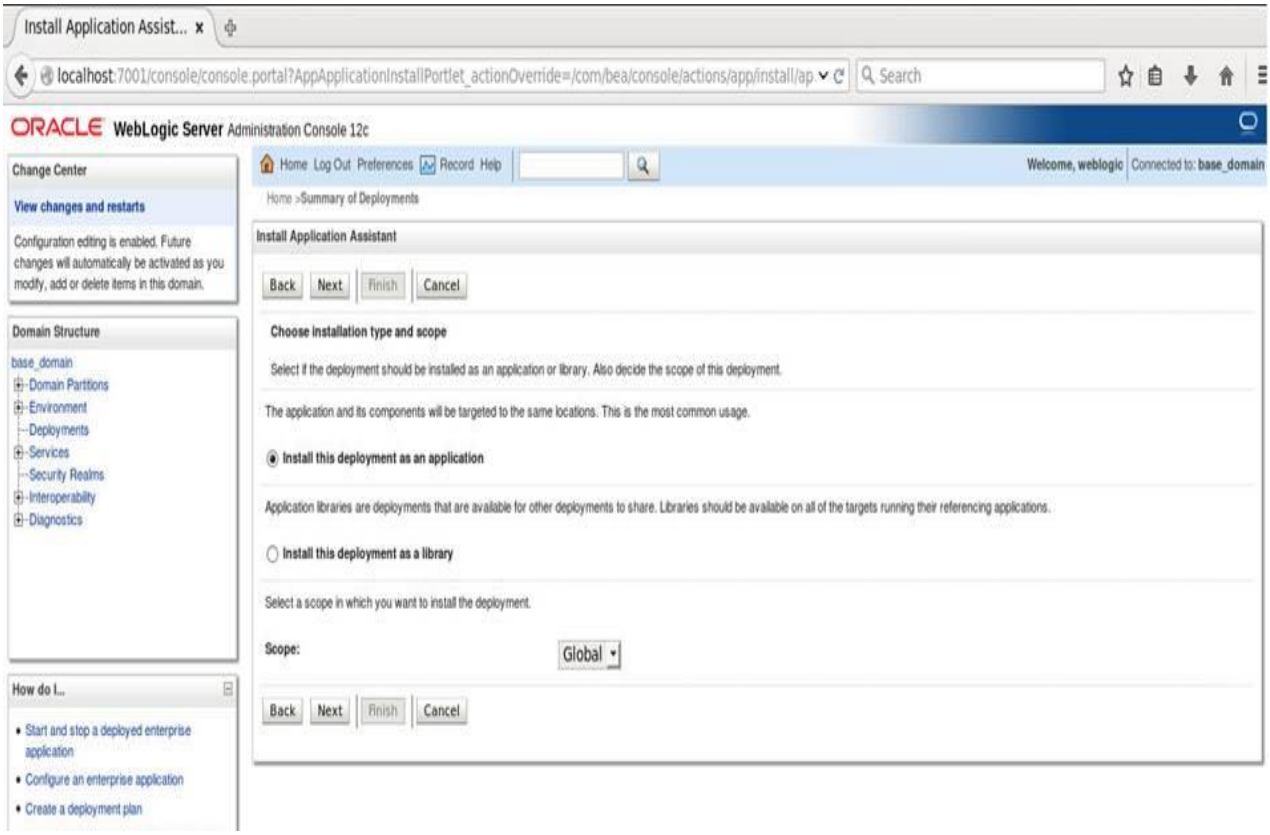
1. Copy the application war file available under UI/APP/ARCHIVE folder.
2. Open Weblogic console and navigate to the Deployments.



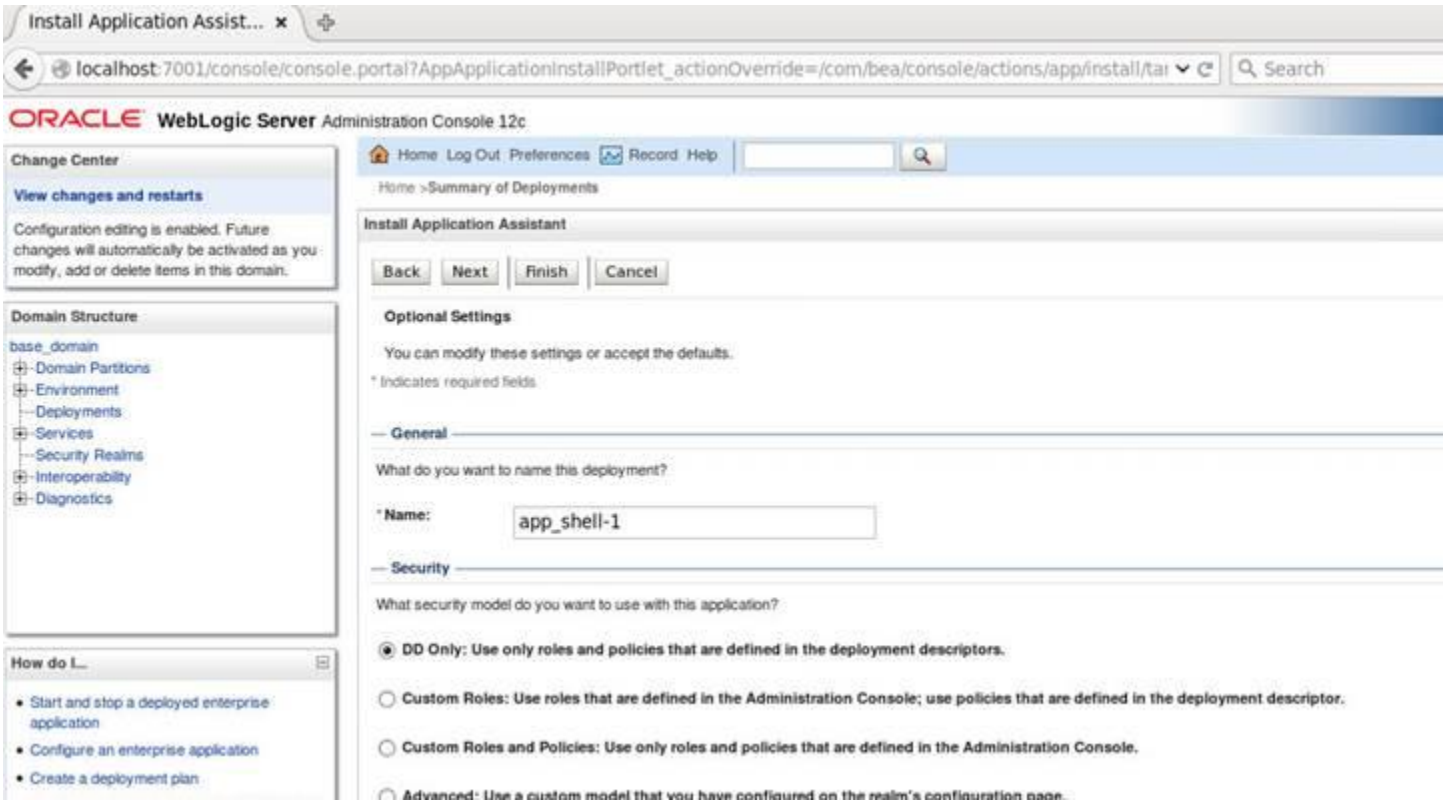
3. Click on install and click on Upload your files, locate the war and select it, click on next.



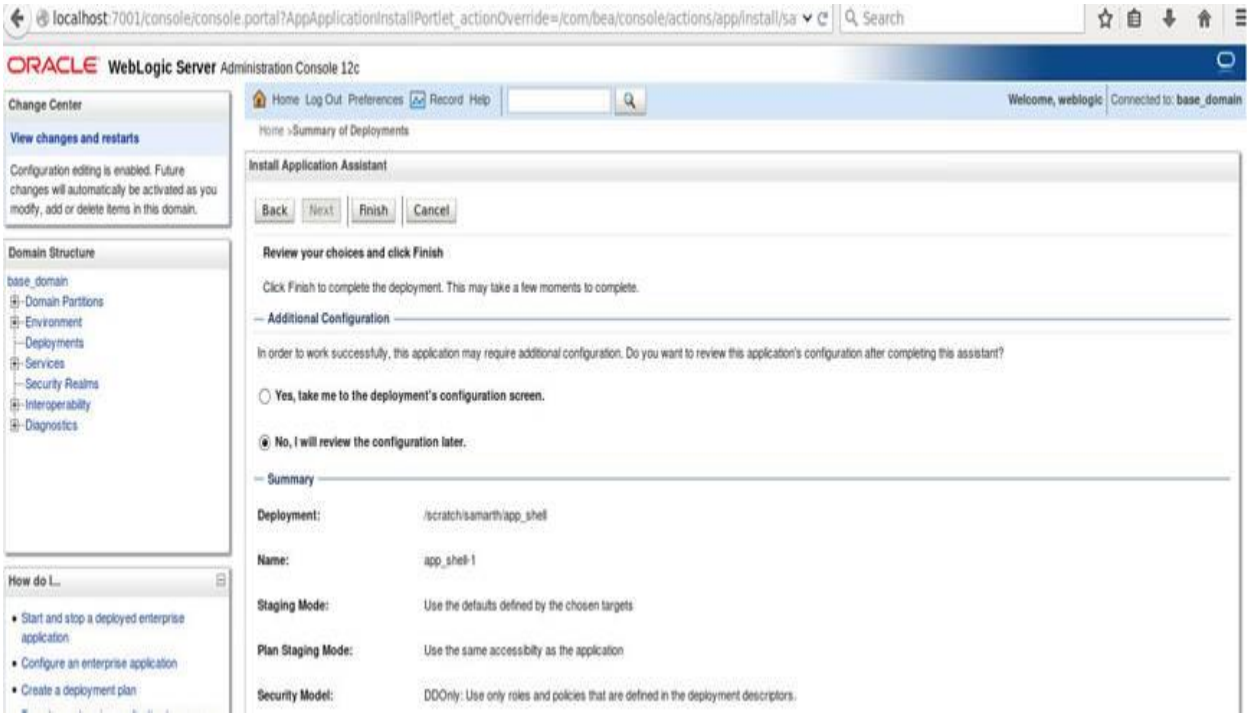
4. Check the option install this deployment as an application option and click Next.



5. Name the deployment and click Next.



6. Check the option "No i will review the configuration later" and click Finish.



7. Navigate to the control tab click on start and select the option "servicing all requests".

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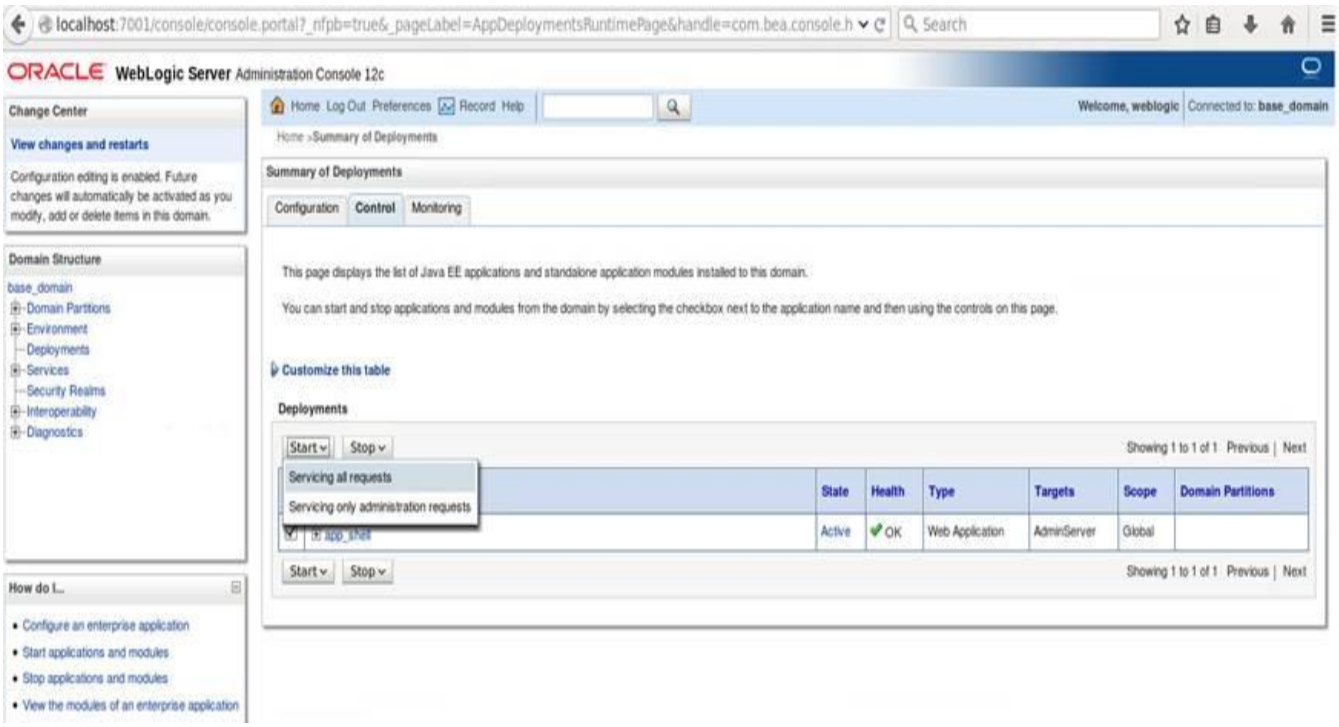
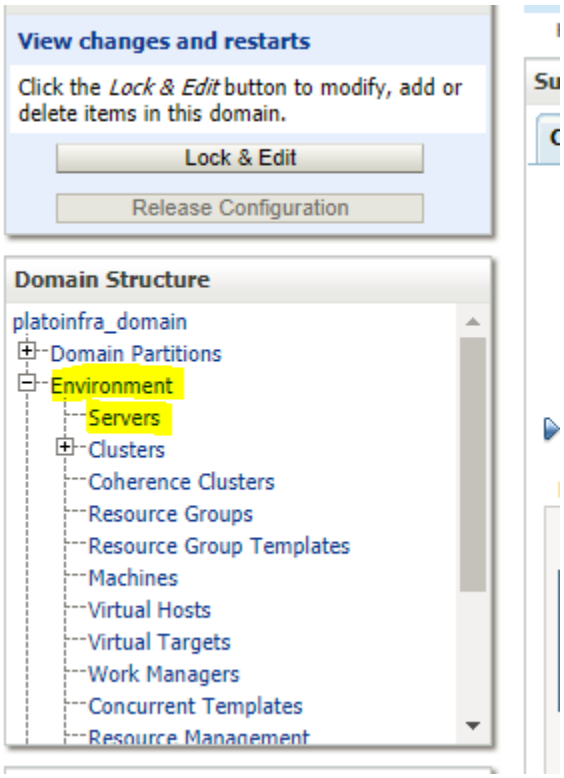

localhost:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsRuntimePage&handle=com.bea.console.h
Search
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
Domain Structure
base_domain
Domain Partitions
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics
How do I...
Configure an enterprise application
Start applications and modules
Stop applications and modules
View the modules of an enterprise application
Home Log Out Preferences Record Help
Welcome, weblogic Connected to: base_domain
Home >Summary of Deployments
Summary of Deployments
Configuration Control Monitoring
This page displays the list of Java EE applications and standalone application modules installed to this domain.
You can start and stop applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.
Customize this table
Deployments
Start Stop
Showing 1 to 1 of 1 Previous | Next
Servicing all requests
Servicing only administration requests
State Health Type Targets Scope Domain Partitions
app_shell
Active OK Web Application AdminServer Global
Start Stop
Showing 1 to 1 of 1 Previous | Next

4. Restarts and refresh

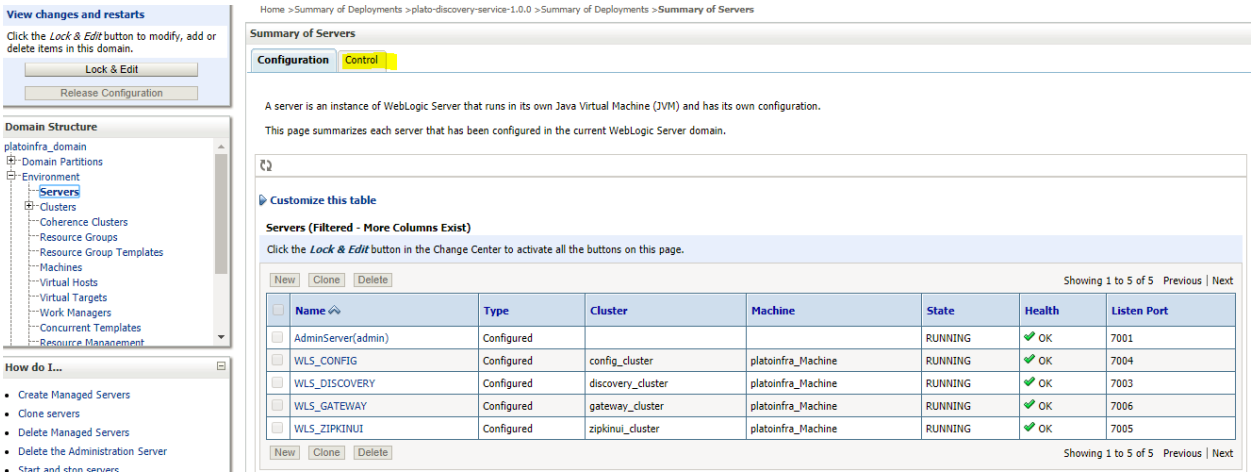
Once everything is deployed, restart all the managed servers. And for each application call path "/refresh" for refreshing the configuration properties.

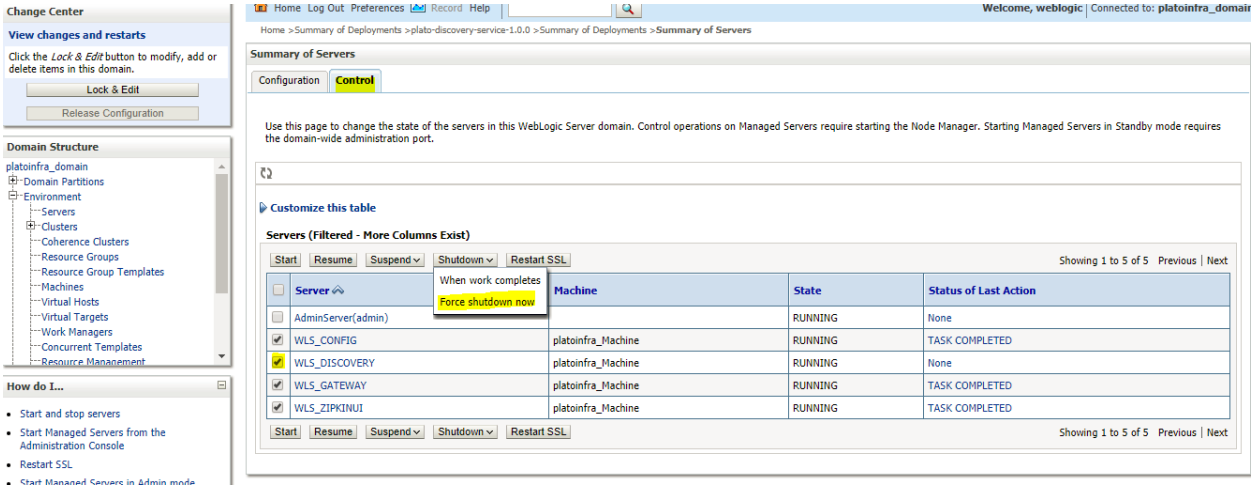
4.1 Restarting servers

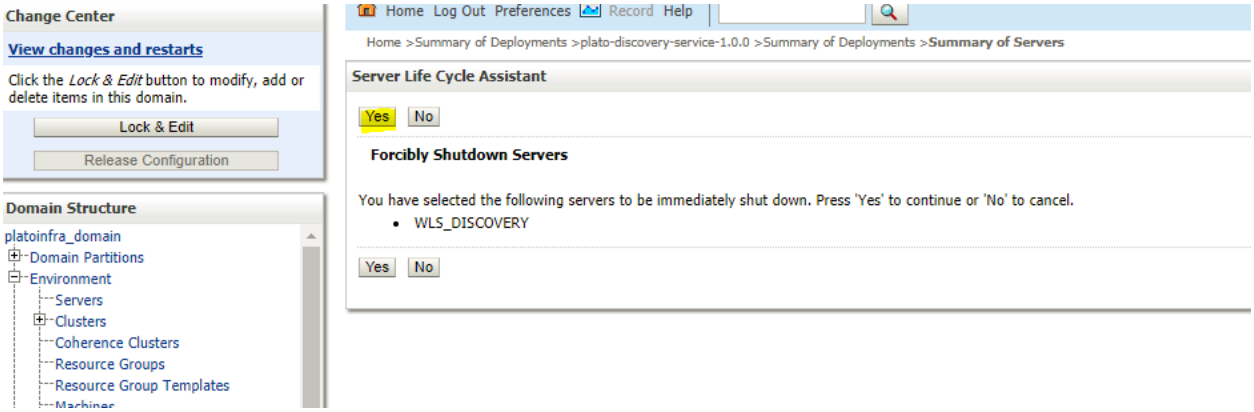
1. Goto Environment -> Servers



2. Click on Control and select servers to shutdown and click yes to confirm shutdown.


View changes and restarts
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
How do I...
Create Managed Servers
Clone servers
Delete Managed Servers
Delete the Administration Server
Home >Summary of Deployments >plato-discovery-service-1.0.0 >Summary of Deployments >Summary of Servers
Summary of Servers
Configuration
Control
A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration.
This page summarizes each server that has been configured in the current WebLogic Server domain.
Customize this table
Servers (Filtered - More Columns Exist)
Click the Lock & Edit button in the Change Center to activate all the buttons on this page.
New
Clone
Delete
Showing 1 to 5 of 5 Previous | Next
Name
Type
Cluster
Machine
State
Health
Listen Port
AdminServer(admin) Configured RUNNING OK 7001
WLS_CONFIG Configured config_cluster platoinfra_Machine RUNNING OK 7004
WLS_DISCOVERY Configured discovery_cluster platoinfra_Machine RUNNING OK 7003
WLS_GATEWAY Configured gateway_cluster platoinfra_Machine RUNNING OK 7006
WLS_ZIPKINUI Configured zipkinui_cluster platoinfra_Machine RUNNING OK 7005


Change Center
View changes and restarts
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
How do I...
Start and stop servers
Start Managed Servers from the Administration Console
Restart SSL
Home Log Out Preferences Record Help
Welcome, weblogic | Connected to: platoinfra_domain
Home >Summary of Deployments >plato-discovery-service-1.0.0 >Summary of Deployments >Summary of Servers
Summary of Servers
Configuration
Control
Use this page to change the state of the servers in this WebLogic Server domain. Control operations on Managed Servers require starting the Node Manager. Starting Managed Servers in Standby mode requires the domain-wide administration port.
Customize this table
Servers (Filtered - More Columns Exist)
Start
Resume
Suspend
Shutdown
Restart SSL
When work completes
Force shutdown now
Showing 1 to 5 of 5 Previous | Next
Server
Machine
State
Status of Last Action
AdminServer(admin) RUNNING None
WLS_CONFIG platoinfra_Machine RUNNING TASK COMPLETED
WLS_DISCOVERY platoinfra_Machine RUNNING None
WLS_GATEWAY platoinfra_Machine RUNNING TASK COMPLETED
WLS_ZIPKINUI platoinfra_Machine RUNNING TASK COMPLETED


Change Center
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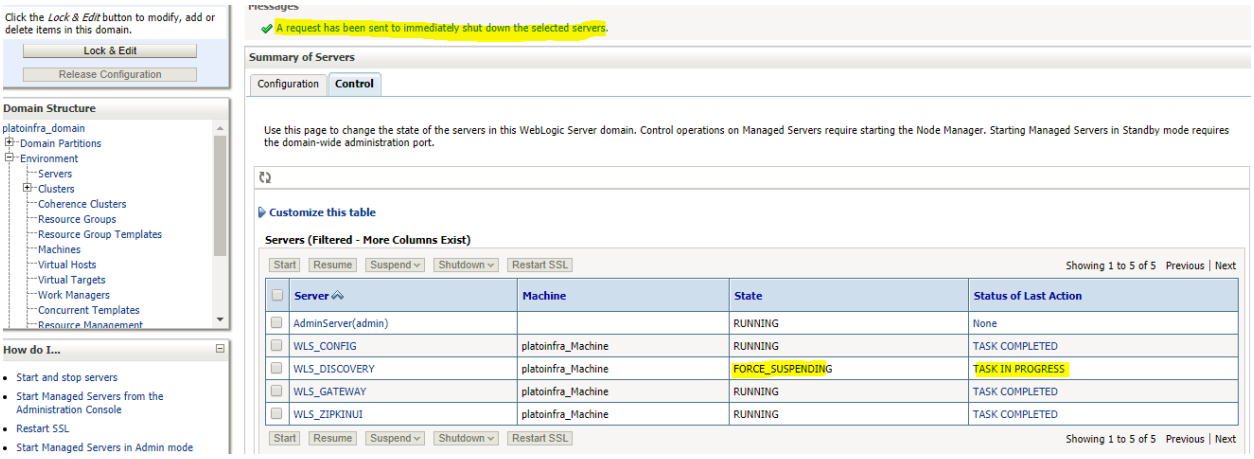
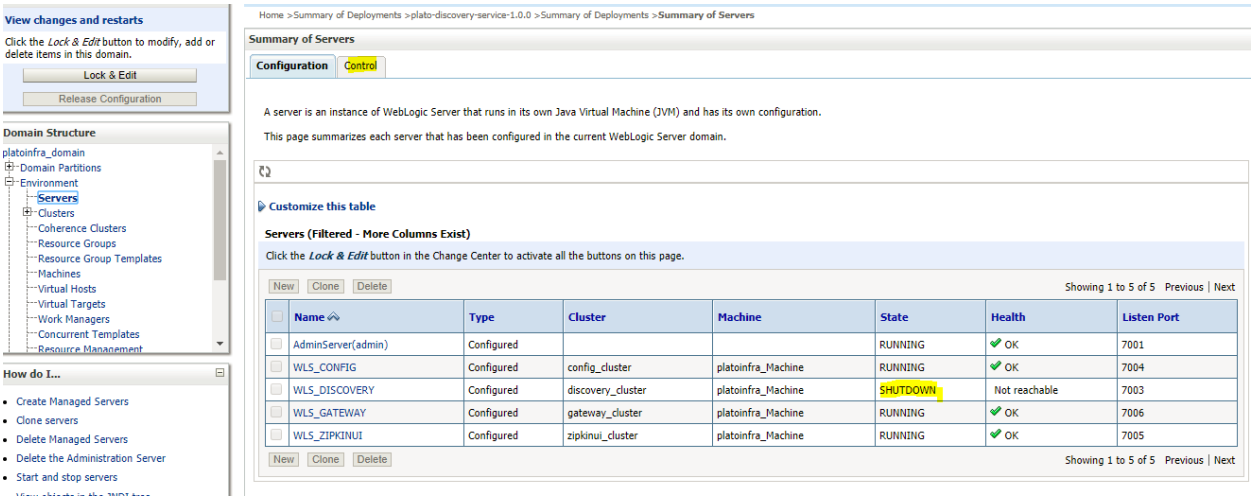
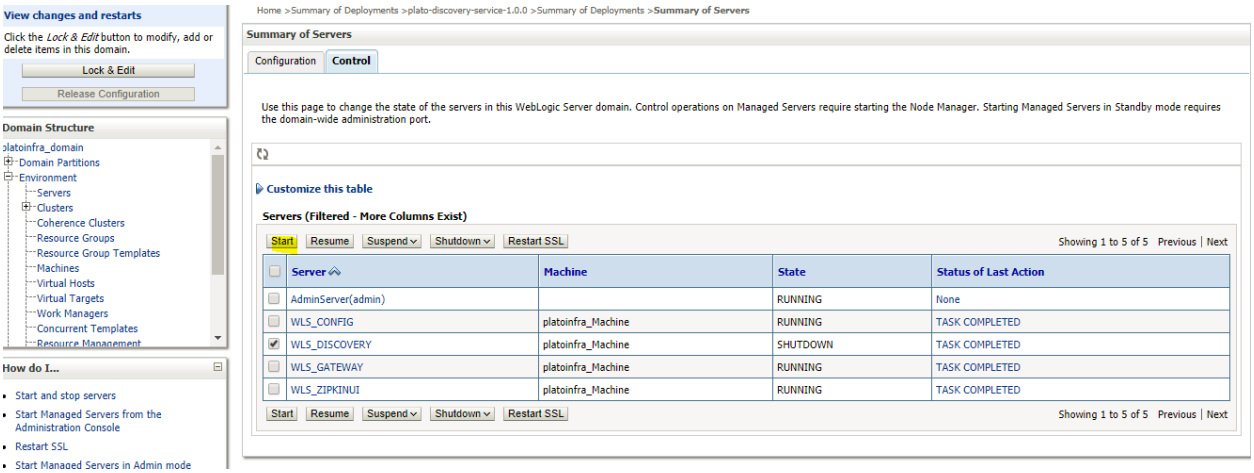
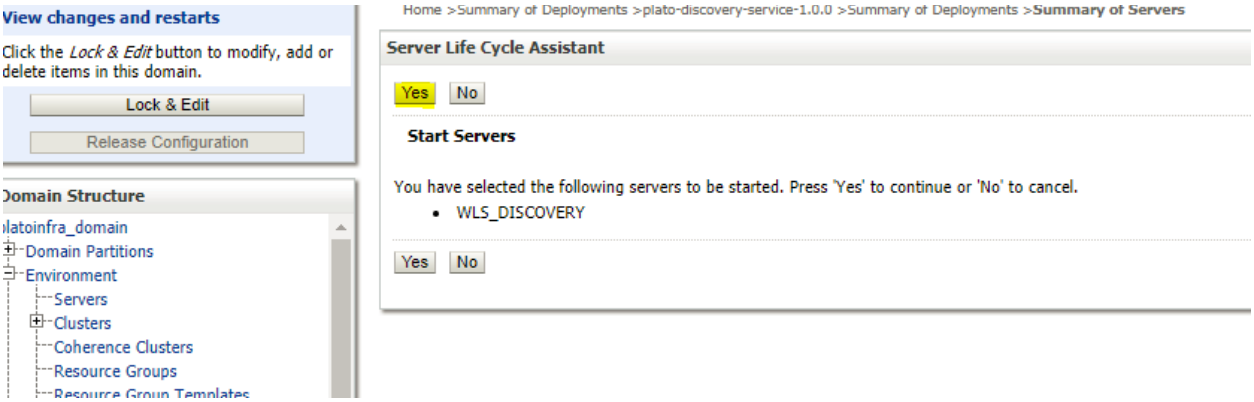
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Home Log Out Preferences Record Help
Home >Summary of Deployments >plato-discovery-service-1.0.0 >Summary of Deployments >Summary of Servers
Server Life Cycle Assistant
Yes
No
Forcibly Shutdown Servers
You have selected the following servers to be immediately shut down. Press 'Yes' to continue or 'No' to cancel.
WLS_DISCOVERY
Yes
No

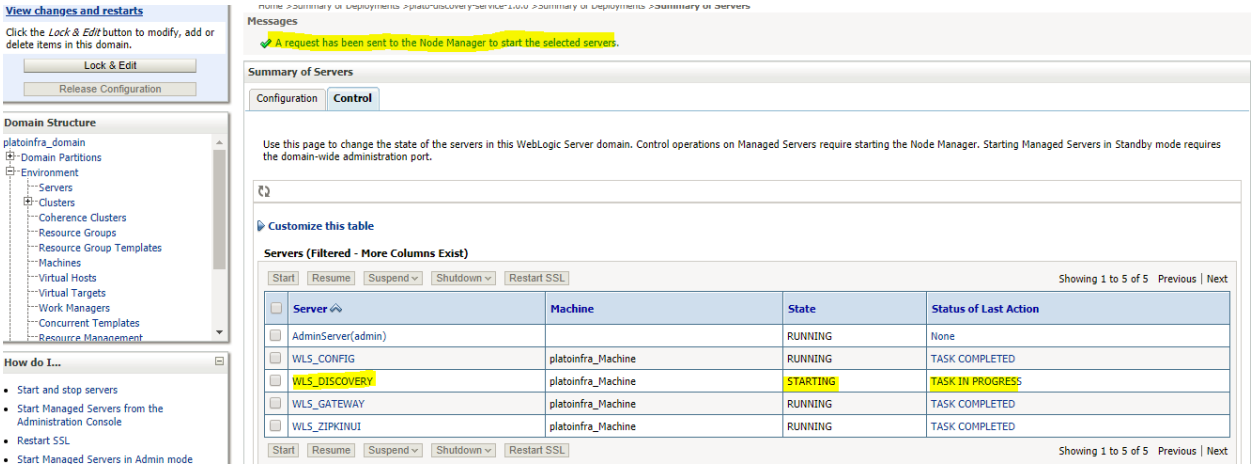




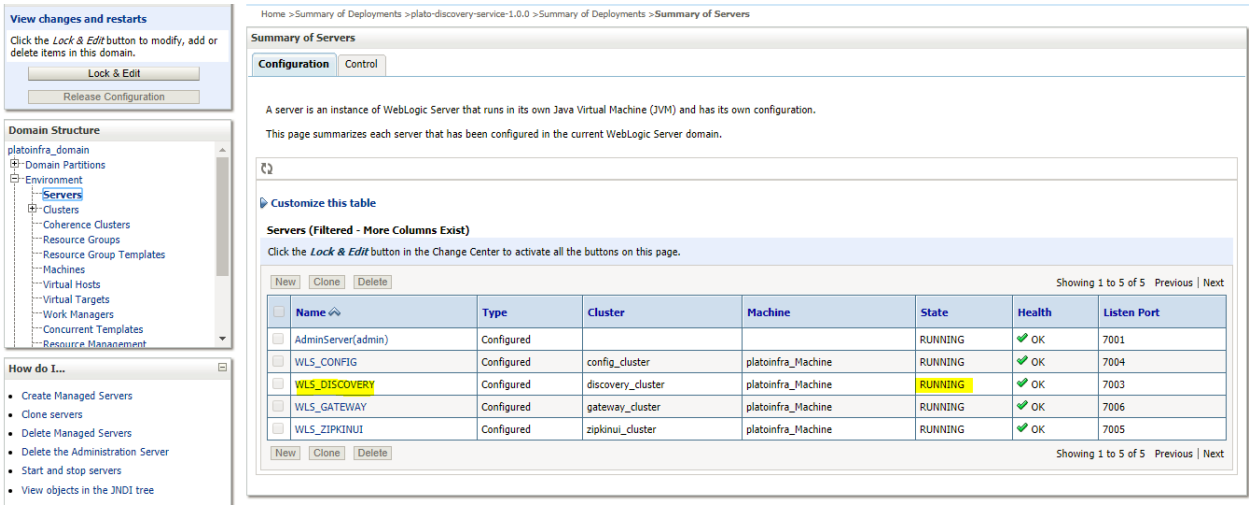
3. Once shutdown is completed, goto control and select the servers to start and confirm action.

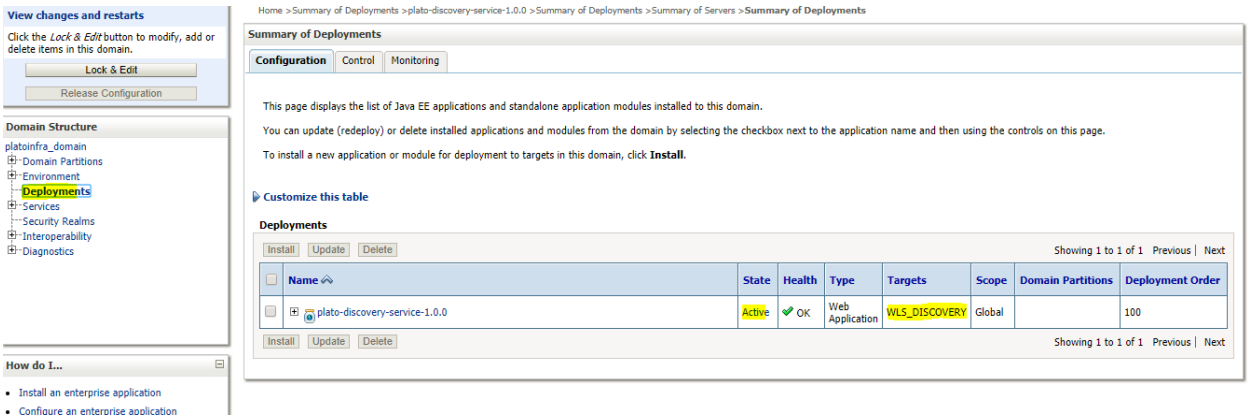






4. When all requested servers are running, goto deployments and check if deployments are in active state.




View changes and restarts
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics
How do I...
Install an enterprise application
Configure an enterprise application
Home >Summary of Deployments >plato-discovery-service-1.0.0 >Summary of Deployments >Summary of Servers >Summary of Deployments
Summary of Deployments
Configuration
Control
Monitoring
This page displays the list of Java EE applications and standalone application modules installed to this domain.
You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.
To install a new application or module for deployment to targets in this domain, click Install.
Customize this table
Deployments
Install
Update
Delete
Showing 1 to 1 of 1 Previous | Next
Name
State
Health
Type
Targets
Scope
Domain Partitions
Deployment Order
plato-discovery-service-1.0.0
Active
OK
Web Application
WLS_DISCOVERY
Global
100
Install
Update
Delete
Showing 1 to 1 of 1 Previous | Next