Oracle Banking Corporate Lending Process Management
User Interface Installation Guide
Release 14.1.0.0.0

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July 2018

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FINANCIAL SERVICES

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Oracle Banking Corporate Lending Process Management User Interface Installation Guide
July 2018
Version 14.1.0.0.0

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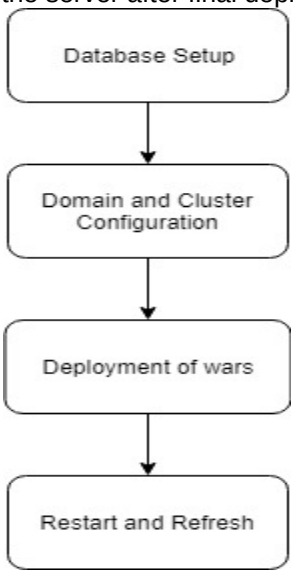
1. Preface

1.1 Introduction

This guide would help you to install the OBCLPM 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 OBCLPM 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:

- Oracle Banking Corporate Lending Process Management User Interface Application

1.5 Related Documents

- Common Core Services Installation Guide
- Day-0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Corporate Lending Process Management Annexure
- Oracle Banking Corporate Lending Process Management BPMN Process Installation Guide

- Oracle Banking Corporate Lending Process Management Pre-Installation Guide
- Oracle Banking Corporate Lending Process Management Services Installation Guide
- Plato Infrastructure Services Installation Guide
- Process Flow Services Installation Guide
- Process Maintenance and Worklist Guide
- Security Management System Services Installation Guide
- SSL Setup Guide

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2. Domain and Cluster Configuration

2.1 OBCLPM UI Domain Configuration

2.1.1 Prerequisites

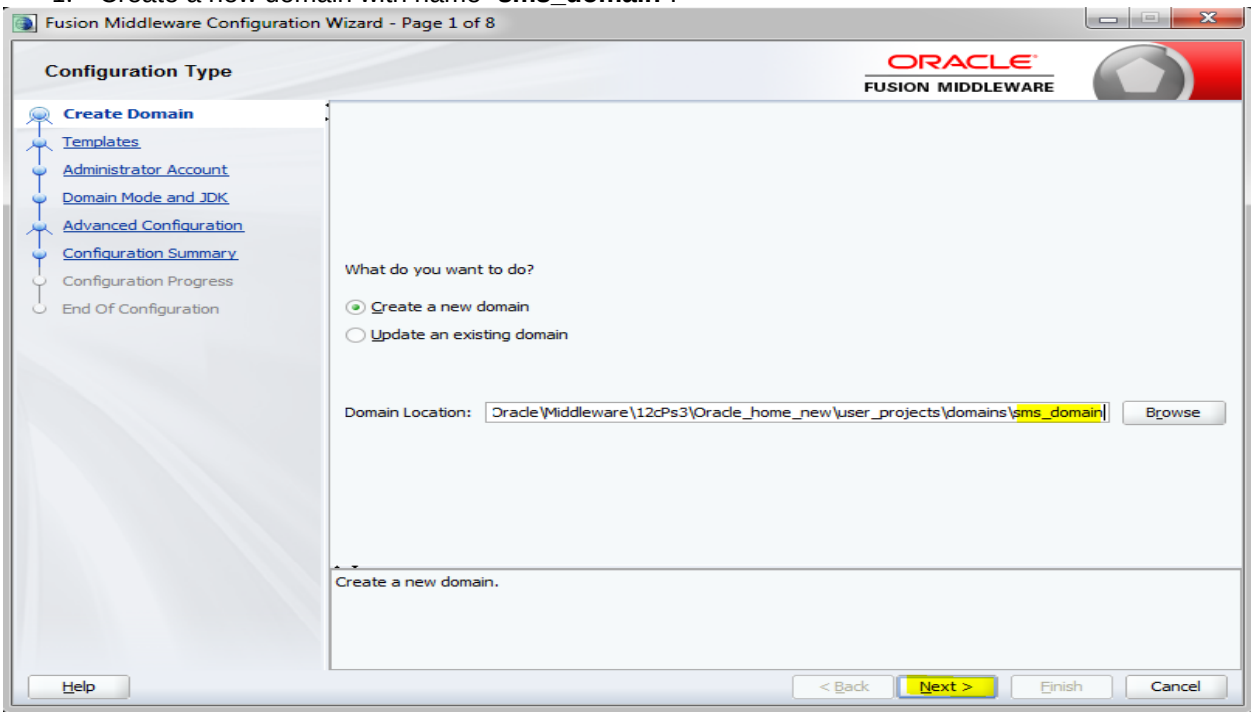
- Machine should have Java JDK1.8.0_171 has installed.
- Oracle Fusion Middleware 12cR2 12.2.1.3 has to be installed on the machine.

2.1.2 Steps to Create Domain

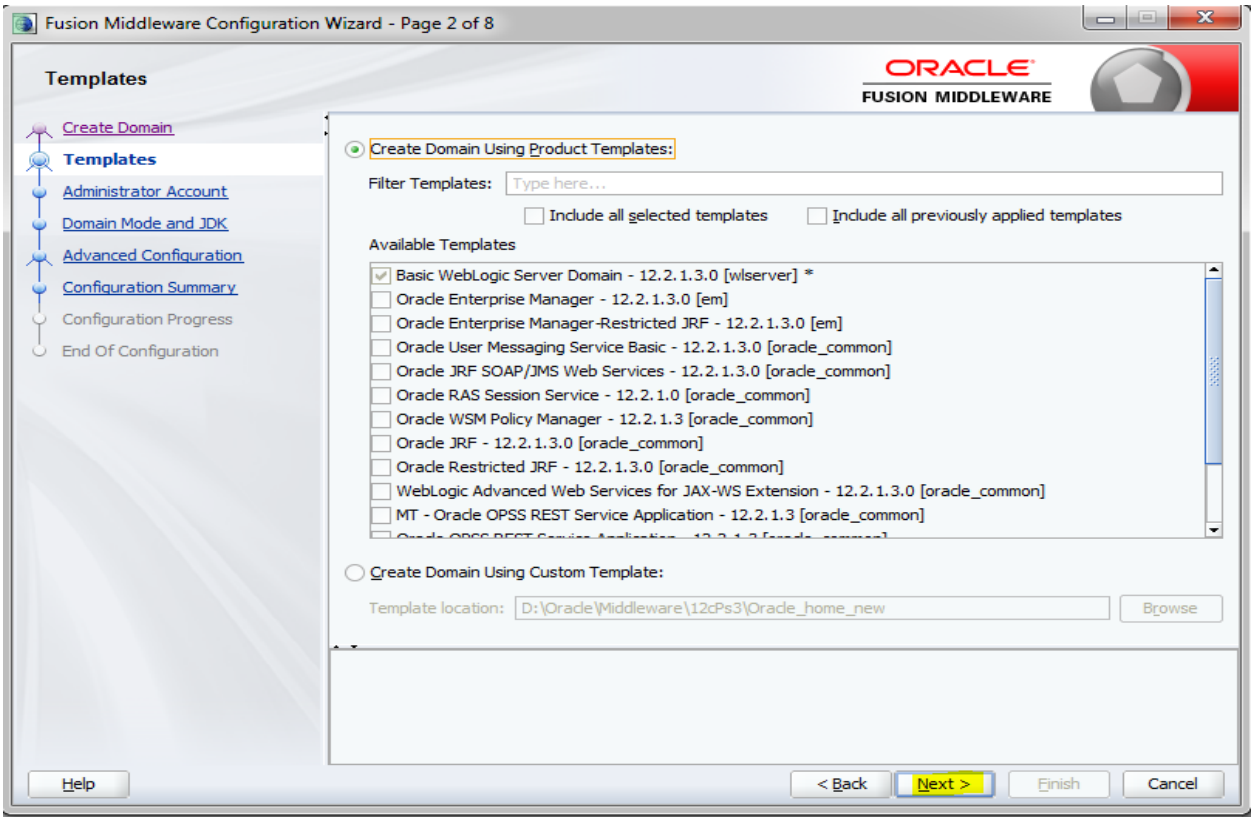
[Note: Name need not to be same as provided in Screen shot and domain name are used for write document]

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.

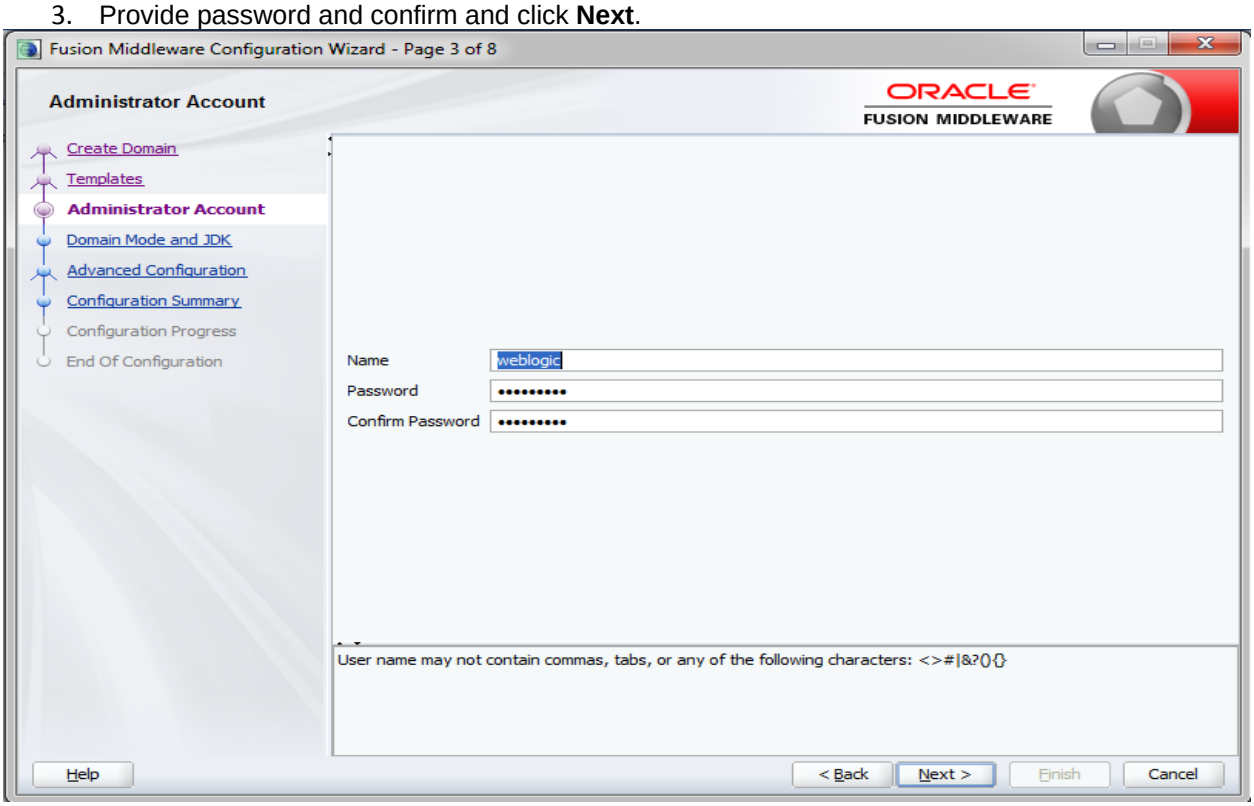
1. Create a new domain with name "**sms_domain**".



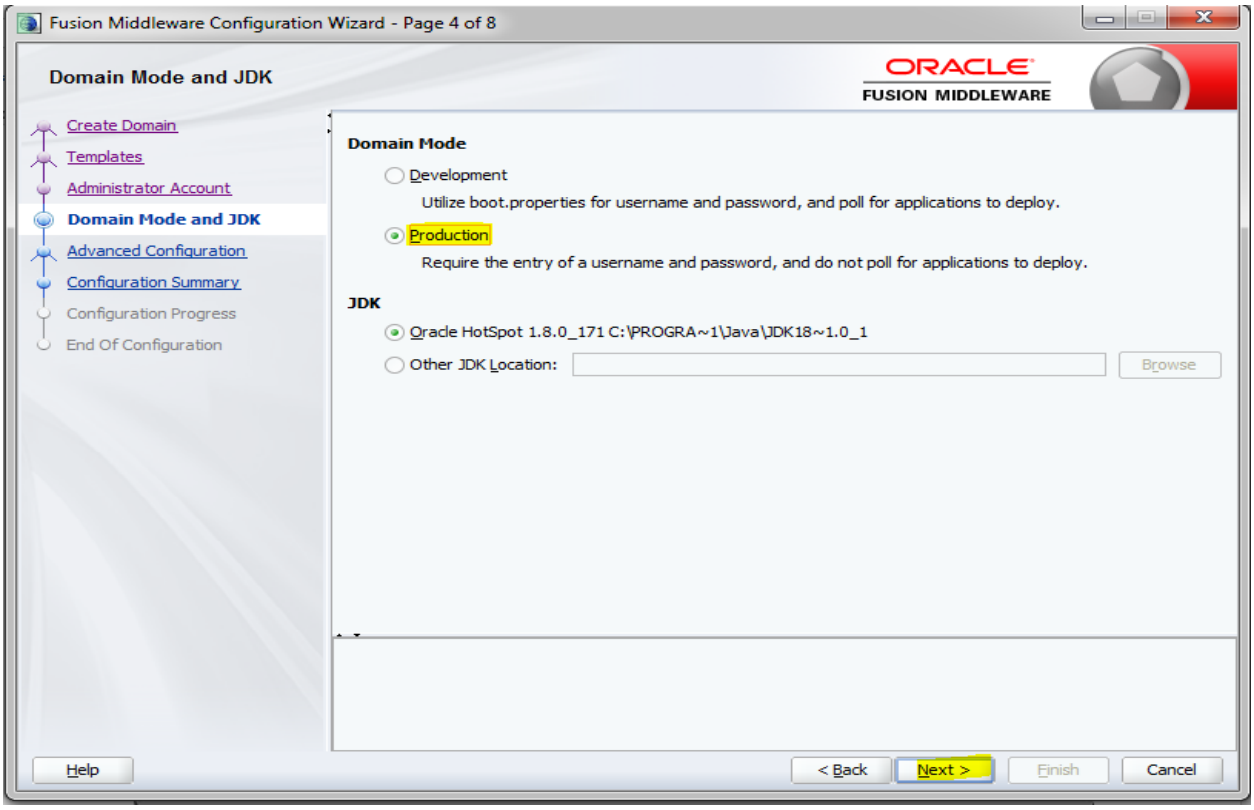
2. Use default templates and click next.



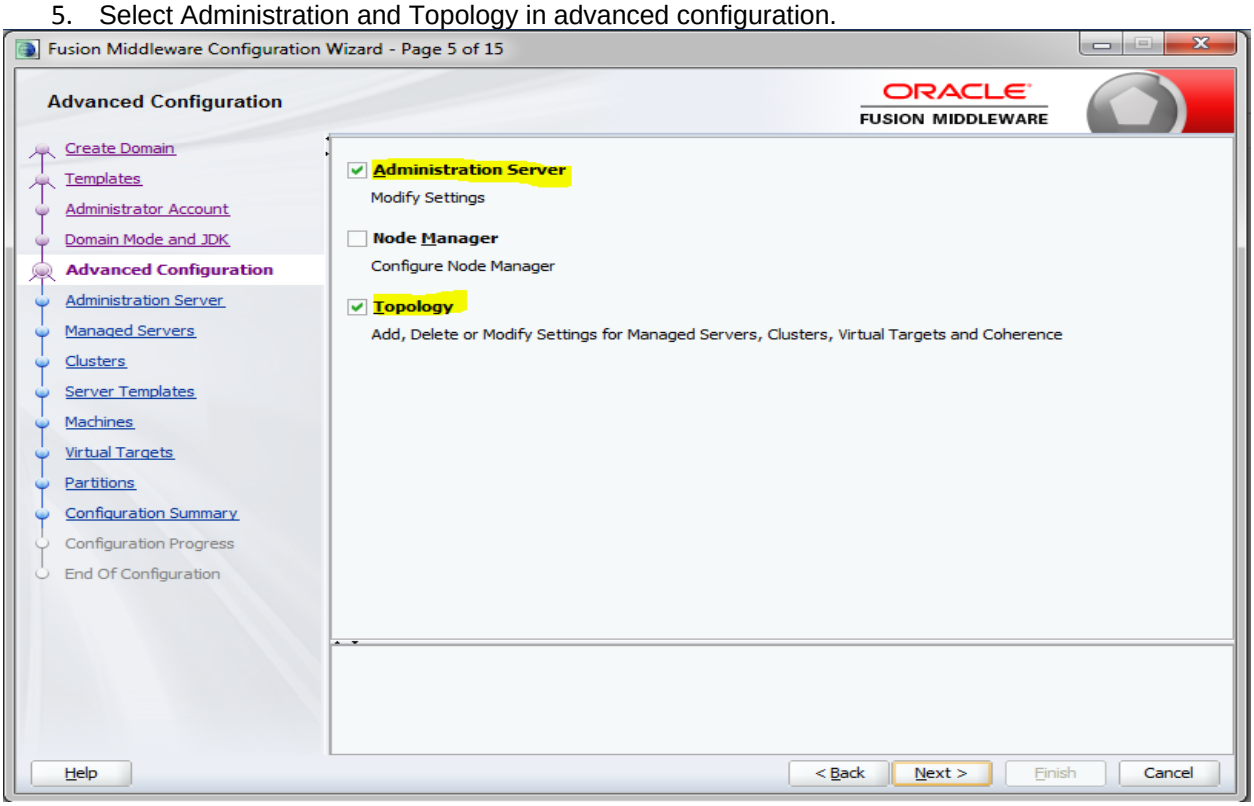
3. Provide password and confirm and click **Next**.



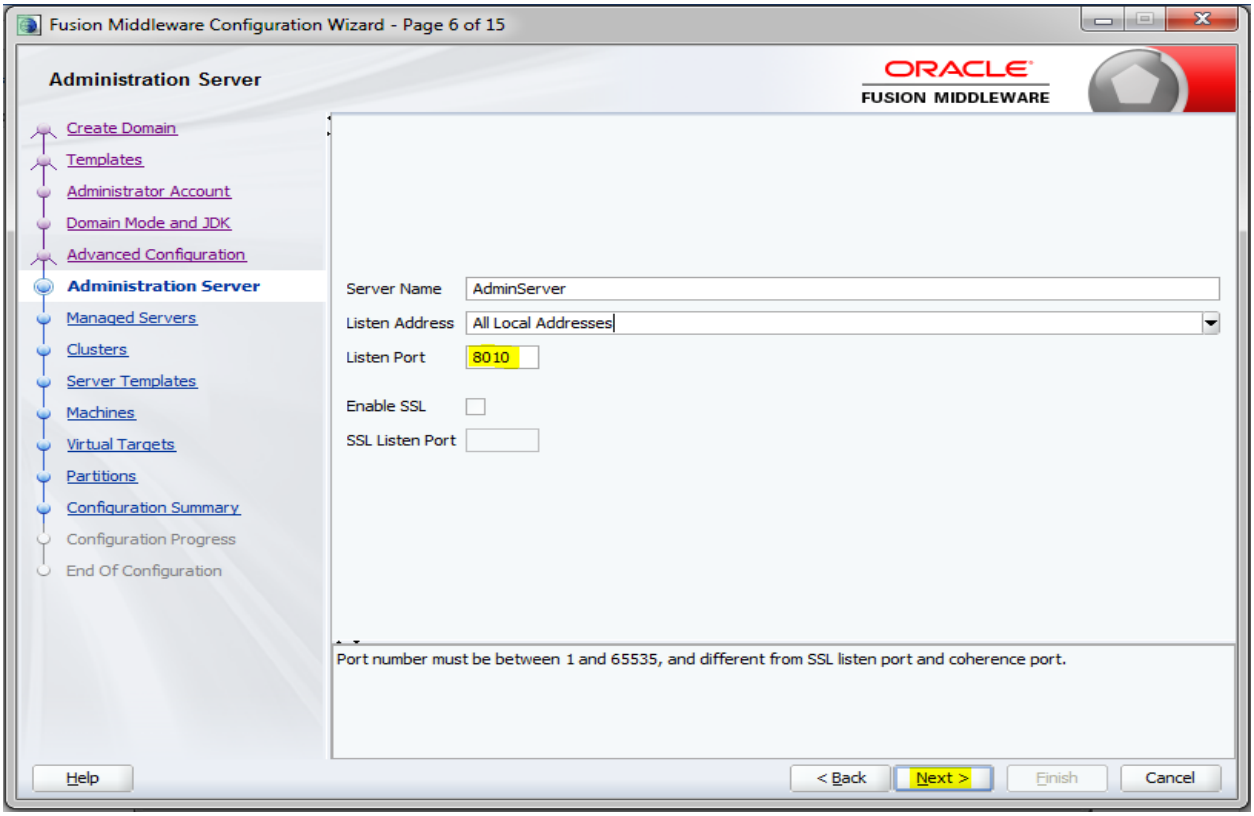
4. Select production mode and jdk and click **Next**.



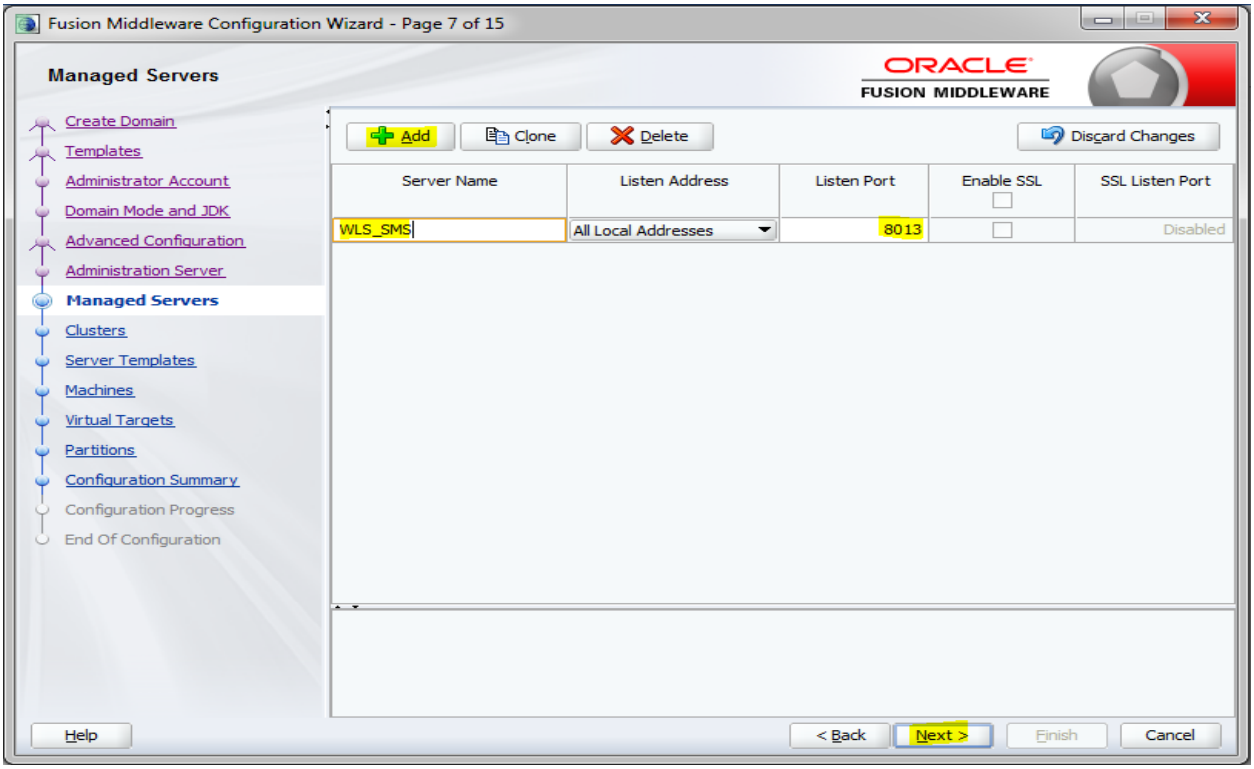
5. Select Administration and Topology in advanced configuration.



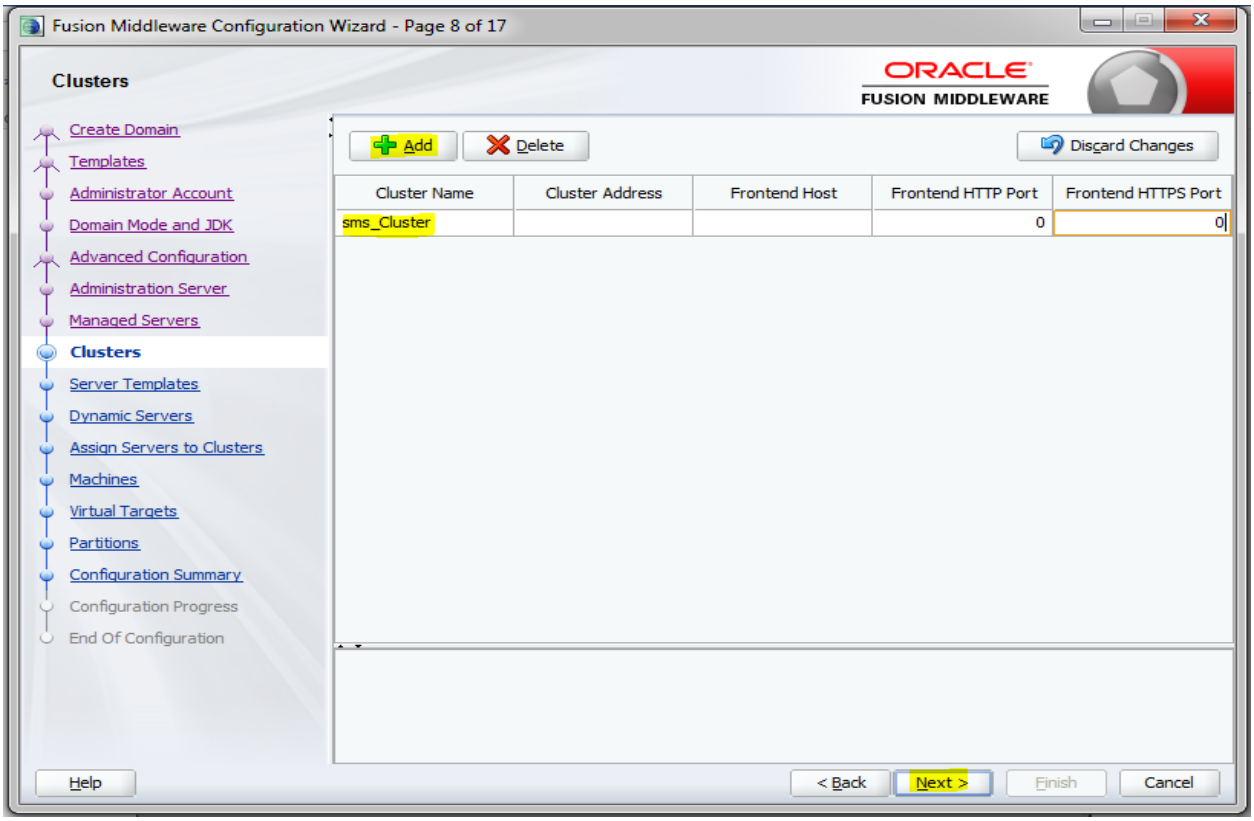
6. Configure port and listen addresses and Click next.



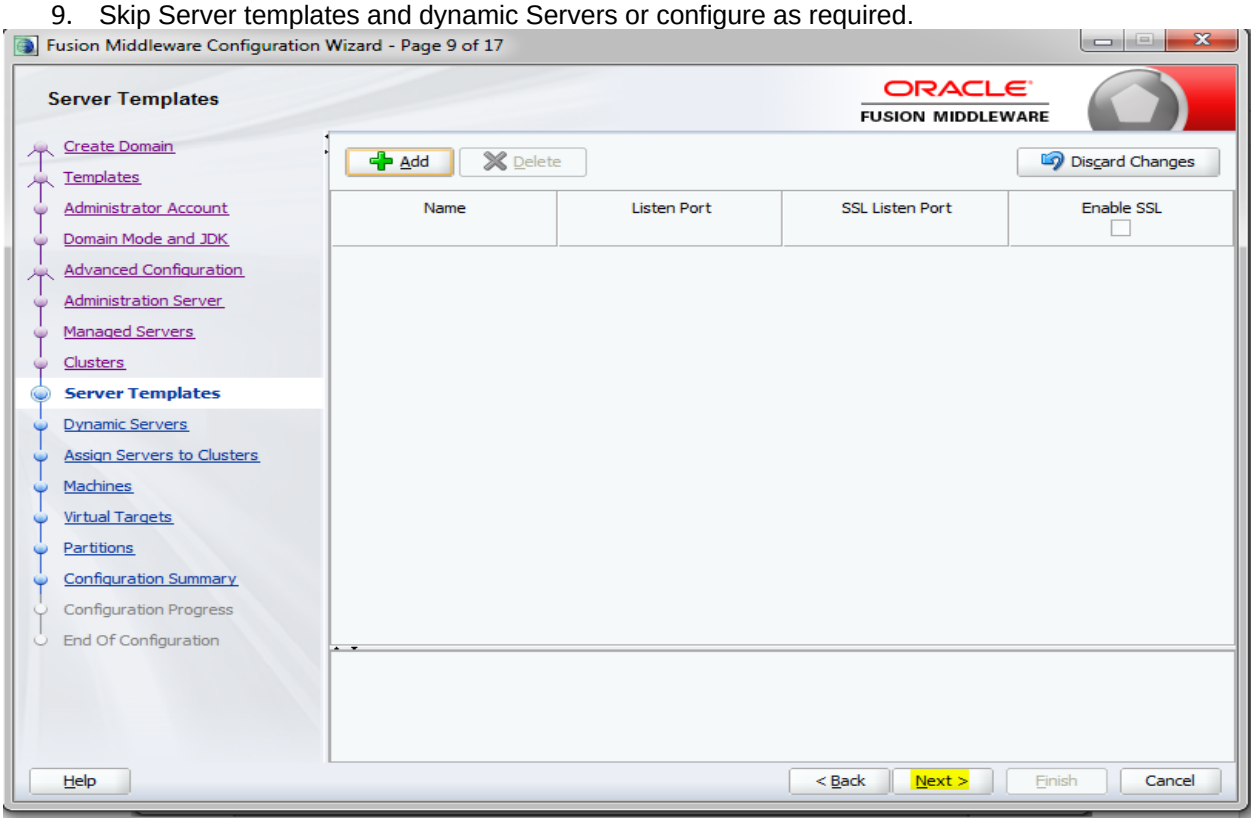
7. Create new Managed Server ‘WLS_SMS’, configure listen port and address and click next.

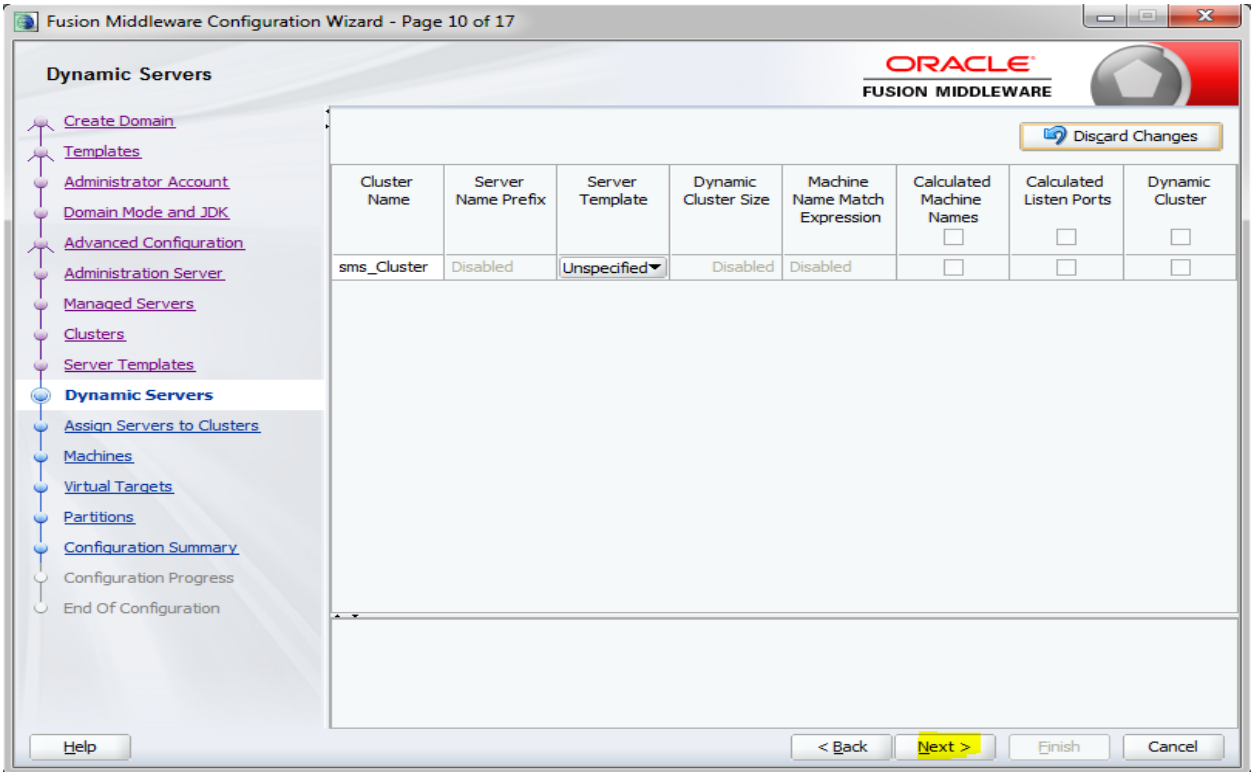


8. Create cluster ‘sms_Cluster’ for the managed server for one to one node mapping.

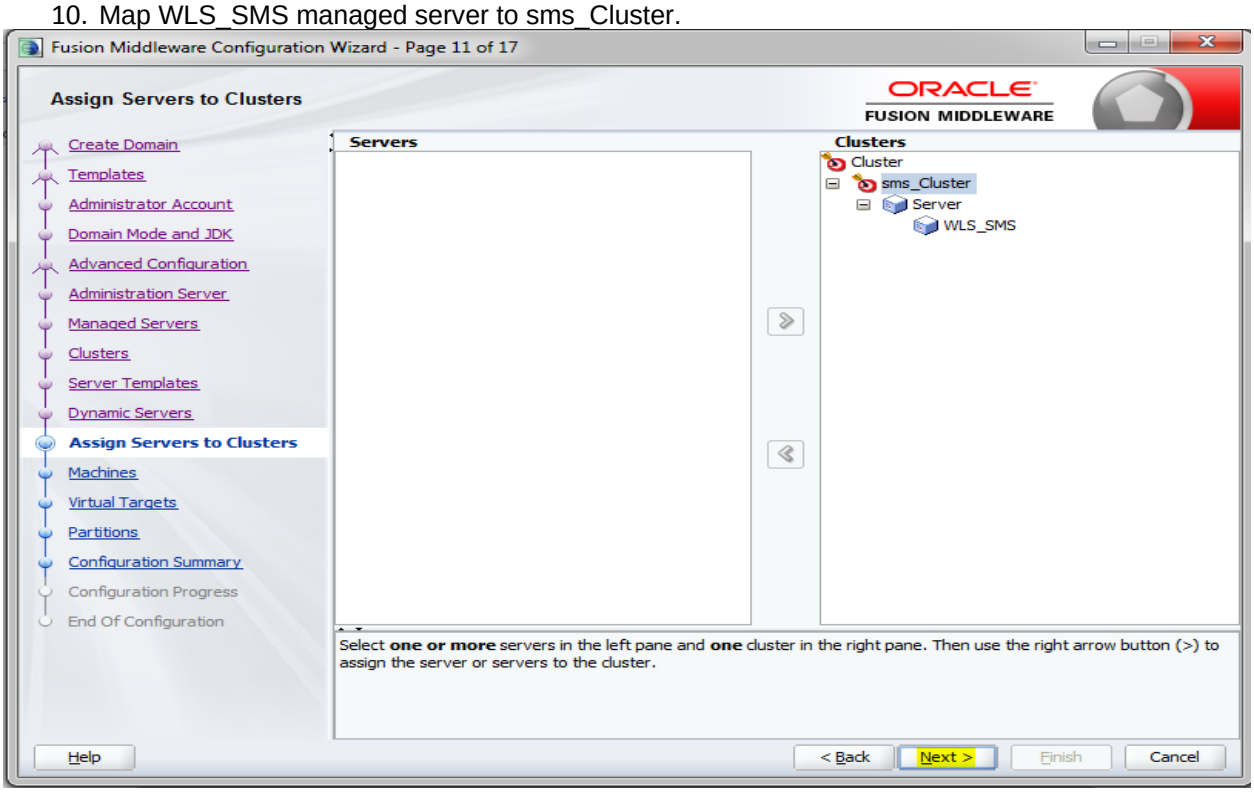


9. Skip Server templates and dynamic Servers or configure as required.

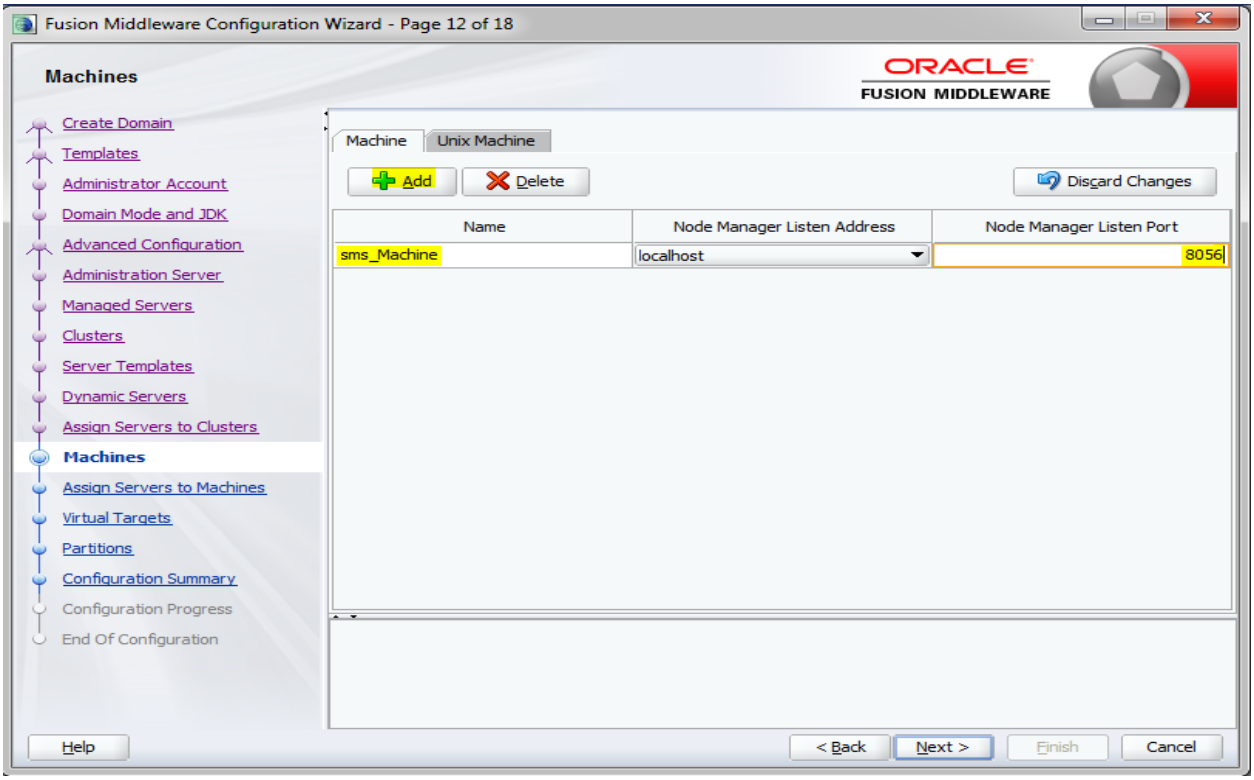




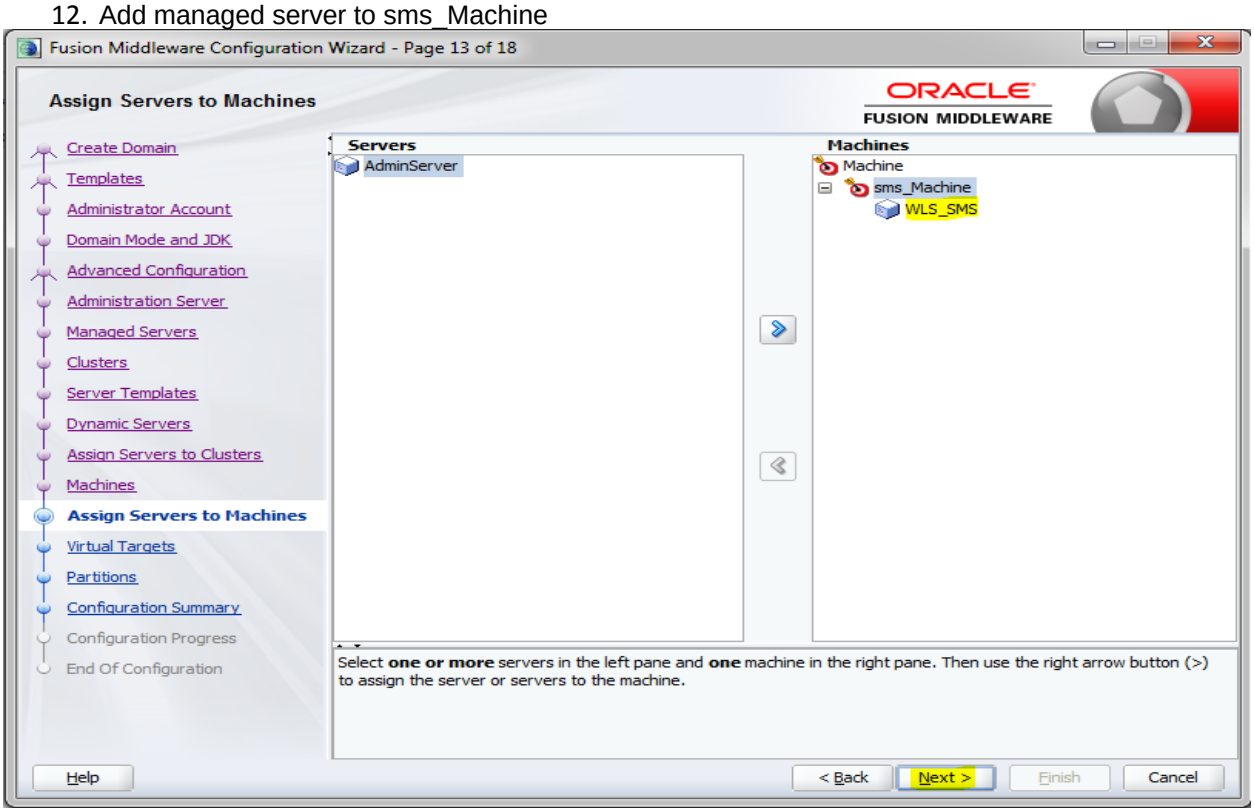
10. Map WLS_SMS managed server to sms_Cluster.



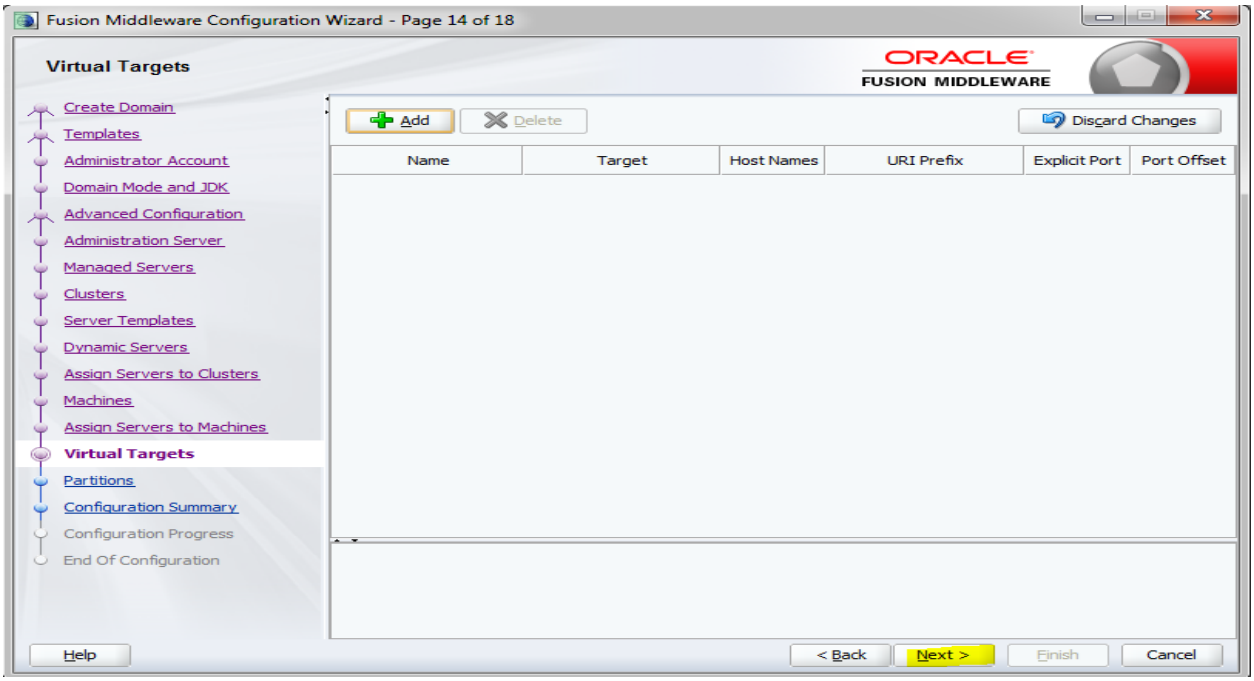
11. Add new machine (unix machine if operating system is Unix) with name sms_Machine and configure node manager listen port.

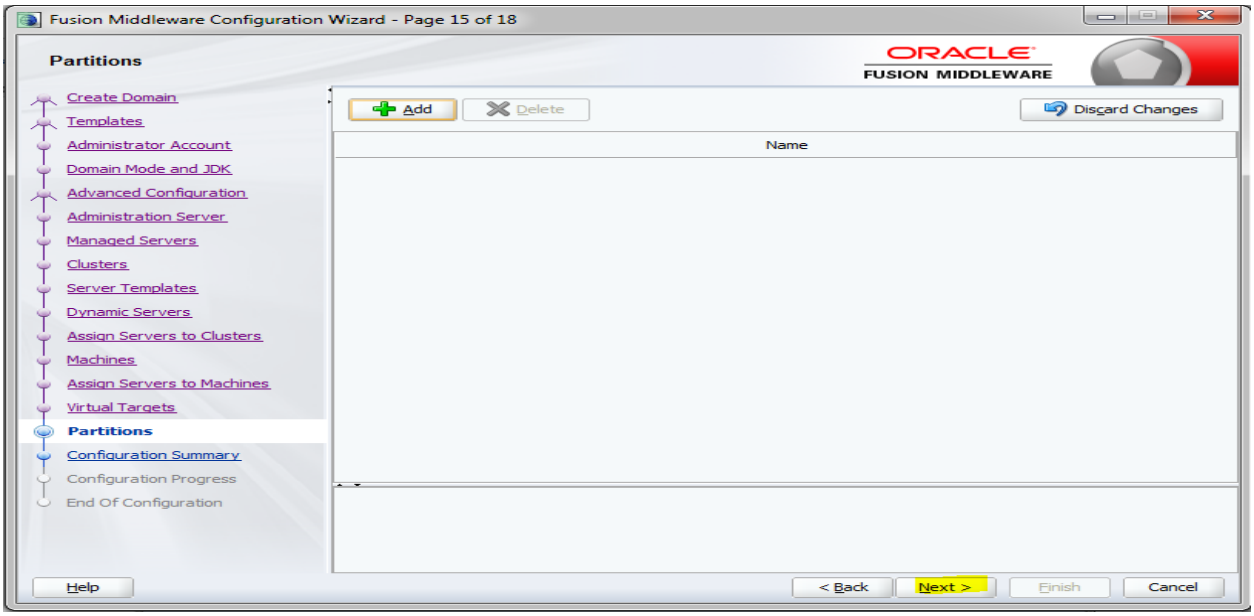


12. Add managed server to sms_Machine

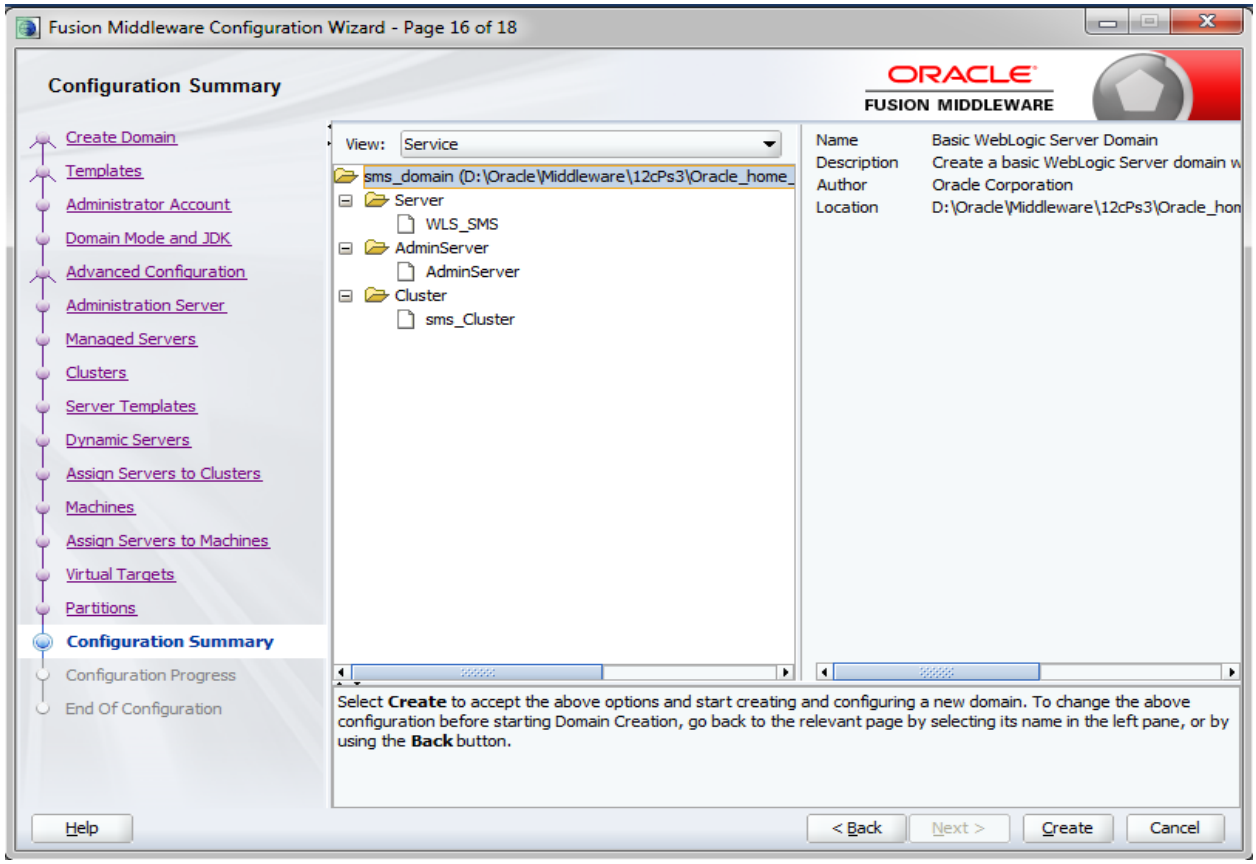


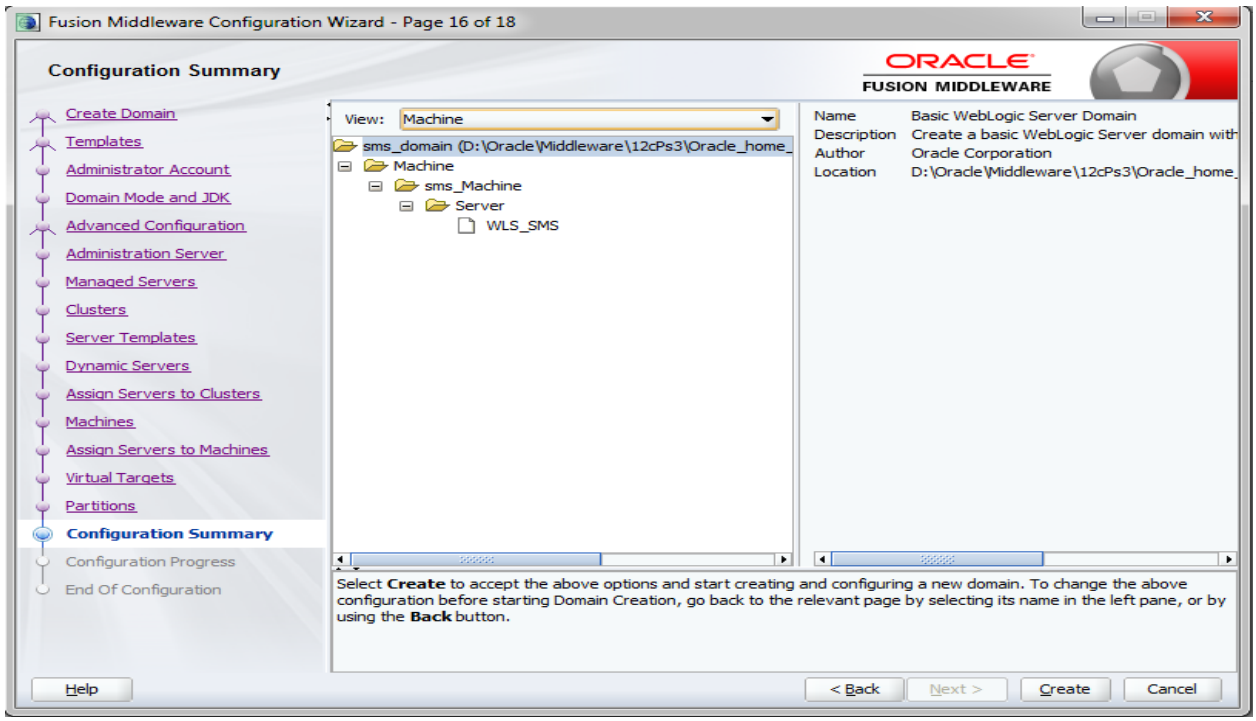
13. Skip virtual targets and partitions or configure as required.

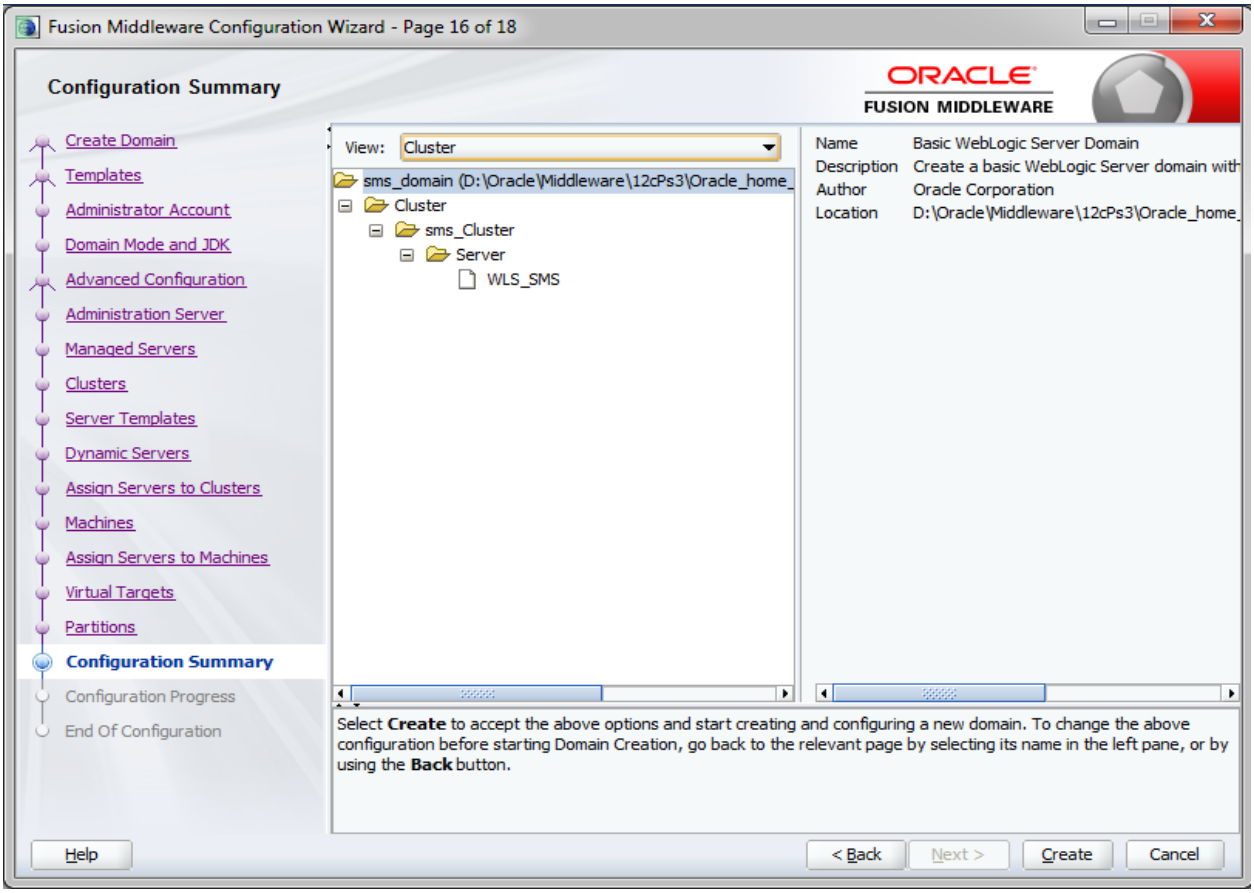




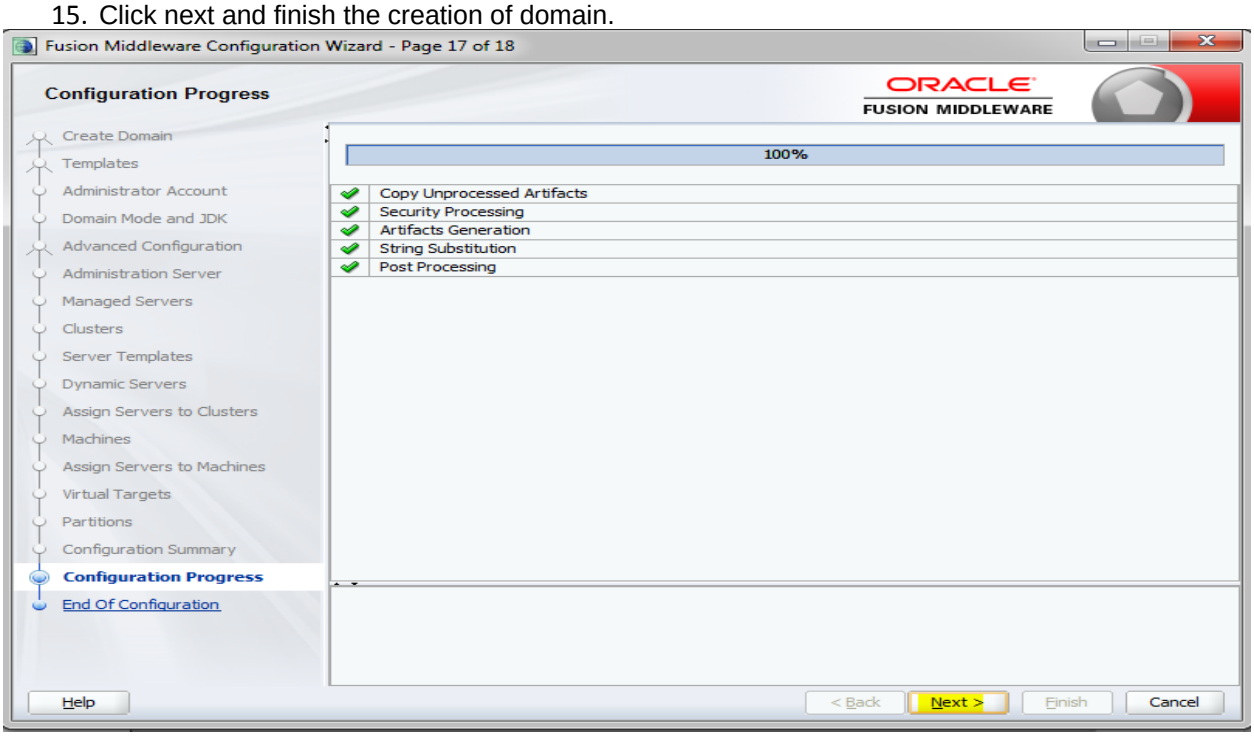
14. Check the configuration summary, confirm and click create

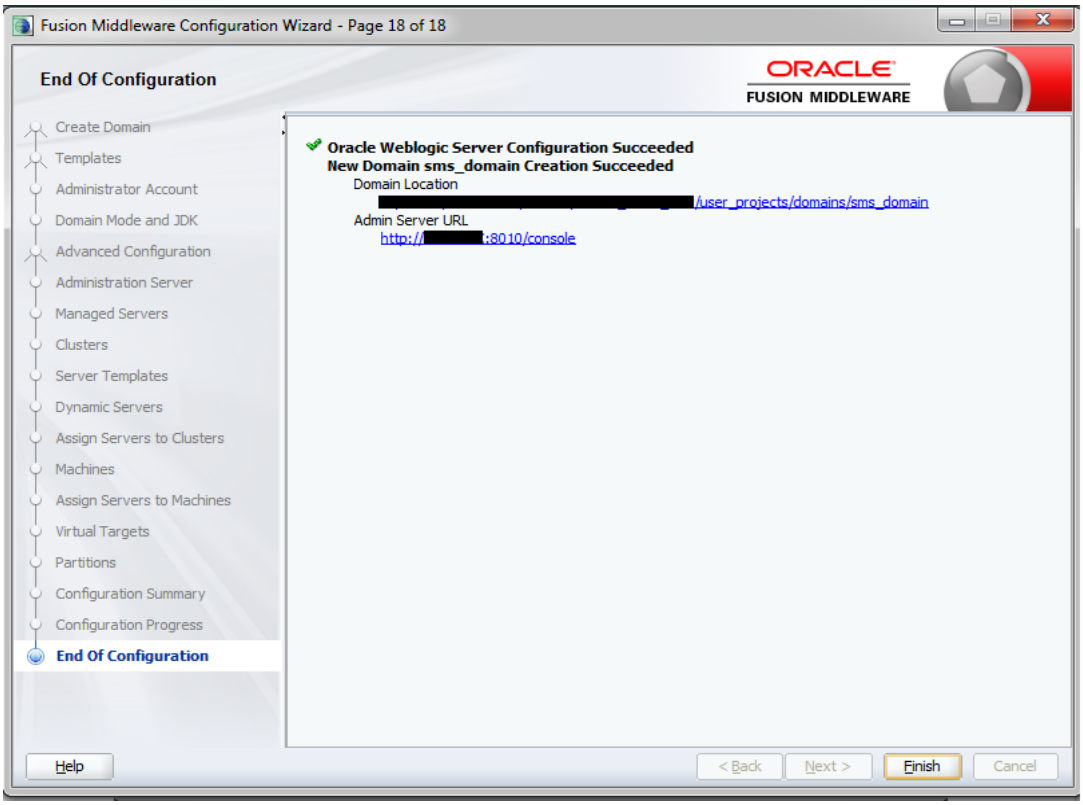

Fusion Middleware Configuration Wizard - Page 16 of 18
Configuration Summary
ORACLE
FUSION MIDDLEWARE
Create Domain
Templates
Administrator Account
Domain Mode and JDK
Advanced Configuration
Administration Server
Managed Servers
Clusters
Server Templates
Dynamic Servers
Assign Servers to Clusters
Machines
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



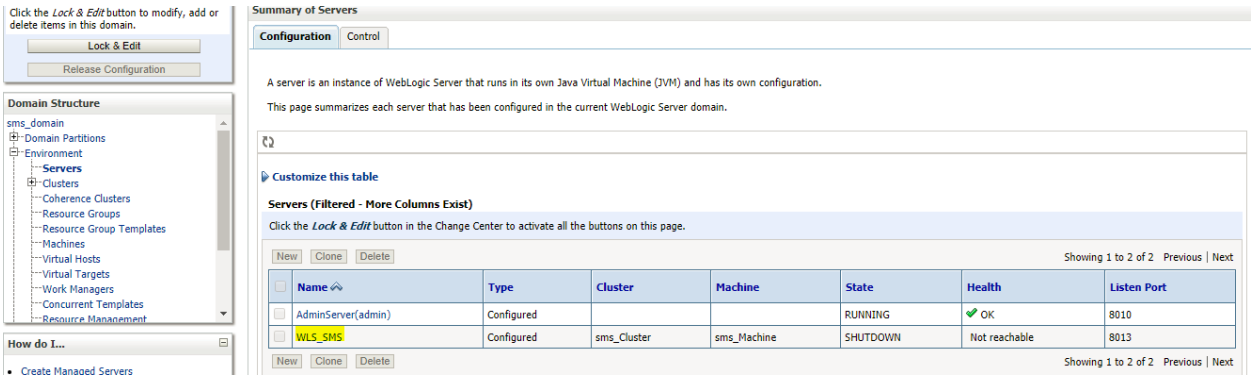
15. Click next and finish the creation of domain.

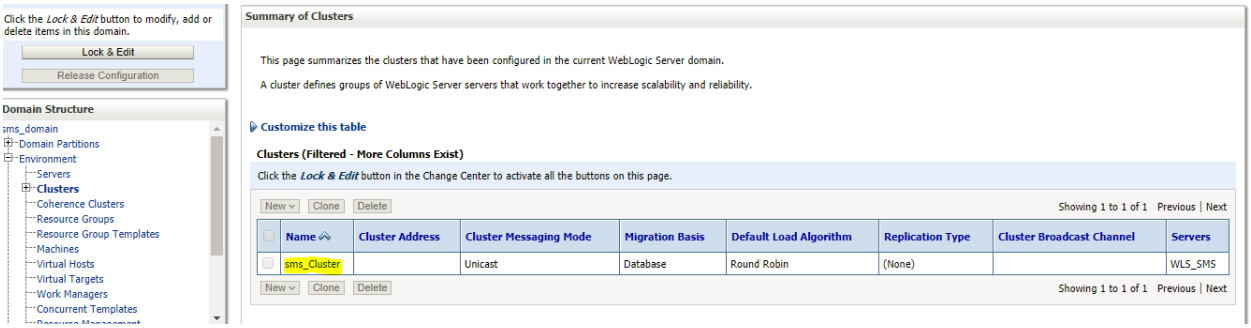


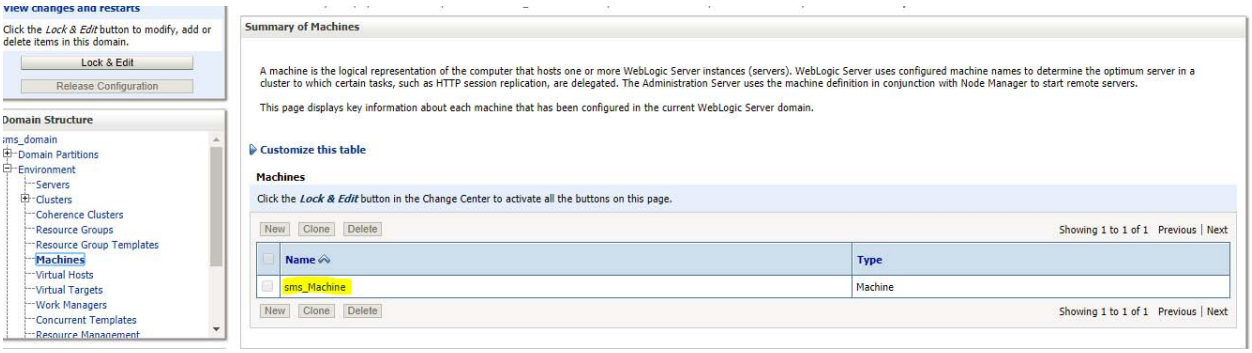


2.1.3 Post Domain Creation Configurations

1. Once finished, refer oracle fusion middleware documents for more details on how to start admin server, node manager and managed servers.
2. Create boot.properties file under /user_projects/domains/XXXXdomainNameXXX/servers/AdminServer/security
3. Edit boot.properties and give username and password details.
4. Go to /user_projects/domain/sms_domain/bin
5. Run startWeblogic.cmd (or .sh if operating system is linux)
6. Go to /user_projects/domains/ sms _domain/bin
7. Run setNMJavaHome.cmd (.sh)
8. Go to /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 Go to Machines > sms_Machine > Node Manager > Type > Plain > Save.
10. Go to /user_projects/domains/ sms _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


Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
sms_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
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 2 of 2 Previous | Next
Name
Type
Cluster
Machine
State
Health
Listen Port
AdminServer(admin)
Configured
RUNNING
OK
8010
WLS_SMS
Configured
sms_Cluster
sms_Machine
SHUTDOWN
Not reachable
8013


Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
Summary of Clusters
This page summarizes the clusters that have been configured in the current WebLogic Server domain.
A cluster defines groups of WebLogic Server servers that work together to increase scalability and reliability.
Customize this table
Clusters (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 1 of 1 Previous | Next
Name
Cluster Address
Cluster Messaging Mode
Migration Basis
Default Load Algorithm
Replication Type
Cluster Broadcast Channel
Servers
sms_Cluster
Unicast
Database
Round Robin
(None)
WLS_SMS


Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
Summary of Machines
A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (servers). WebLogic Server uses configured machine names to determine the optimum server in a cluster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server uses the machine definition in conjunction with Node Manager to start remote servers.
This page displays key information about each machine that has been configured in the current WebLogic Server domain.
Customize this table
Machines
Click the Lock & Edit button in the Change Center to activate all the buttons on this page.
New
Clone
Delete
Showing 1 to 1 of 1 Previous | Next
Name
Type
sms_Machine
Machine

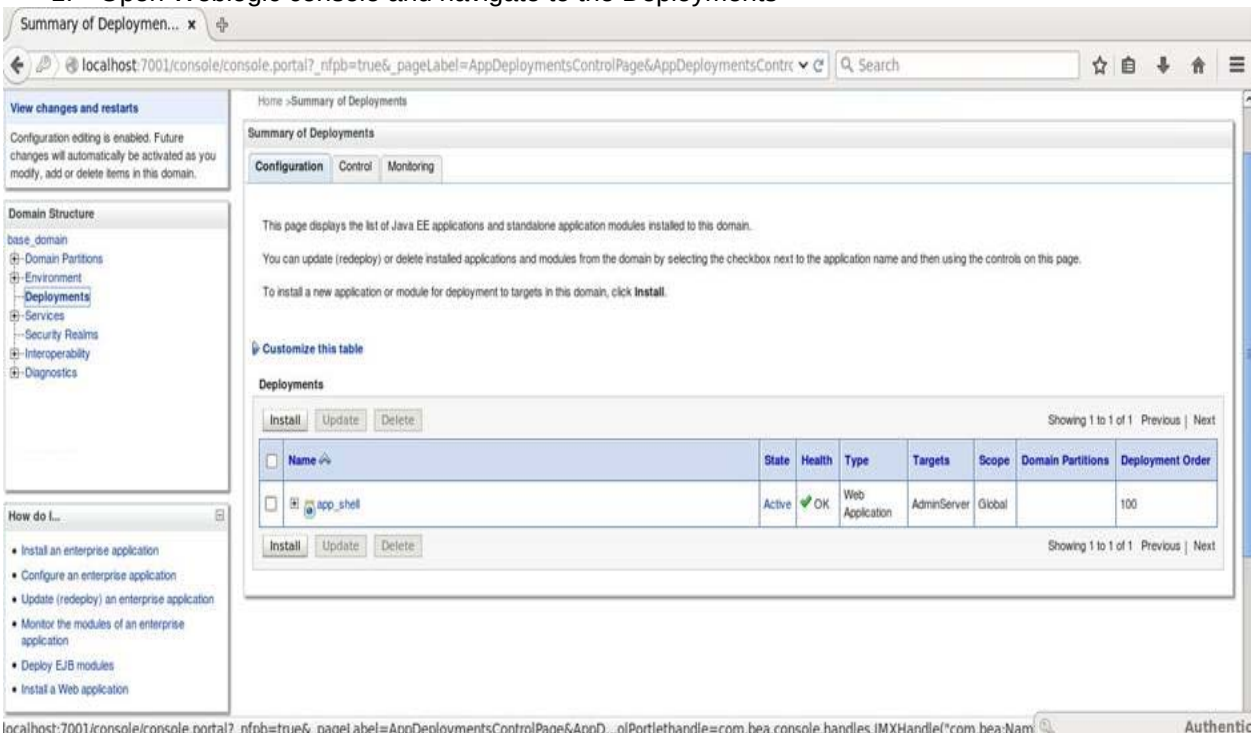
3. Deployments

3.1 Steps to Deploy as Application

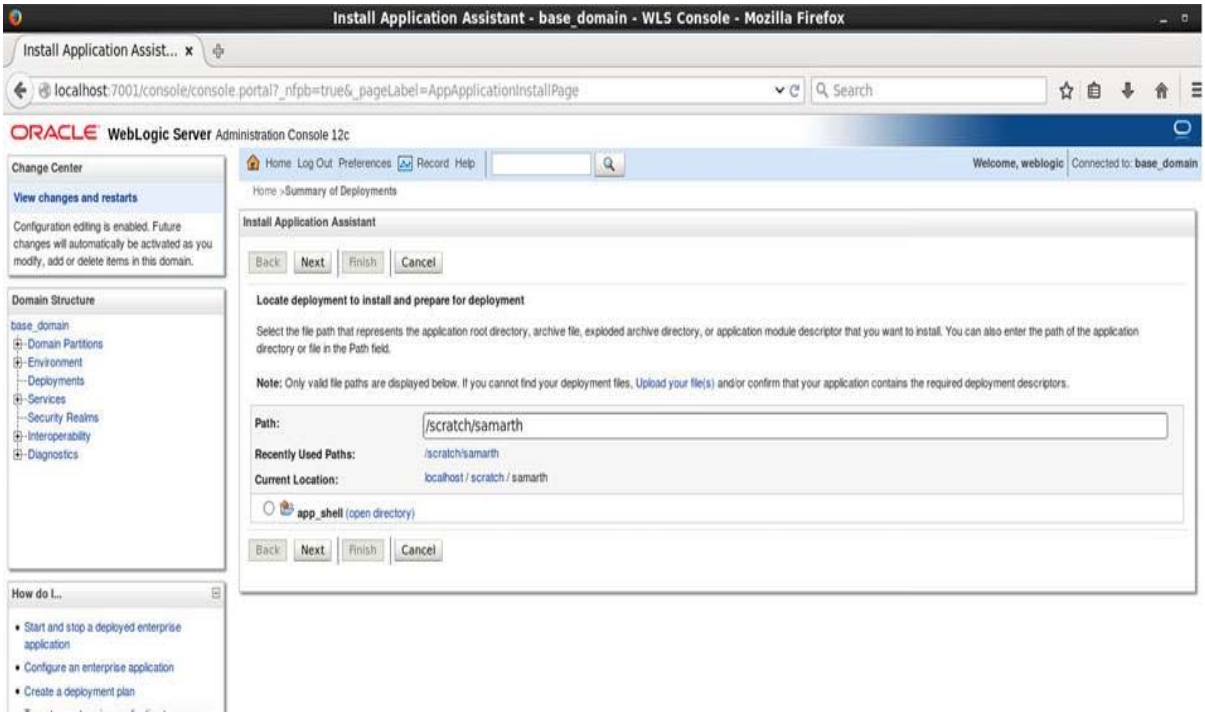
[Note: Server names and Domain names need not be the same as this document provides.]

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 screenshots to see how deployment of archive as application is done on weblogic.

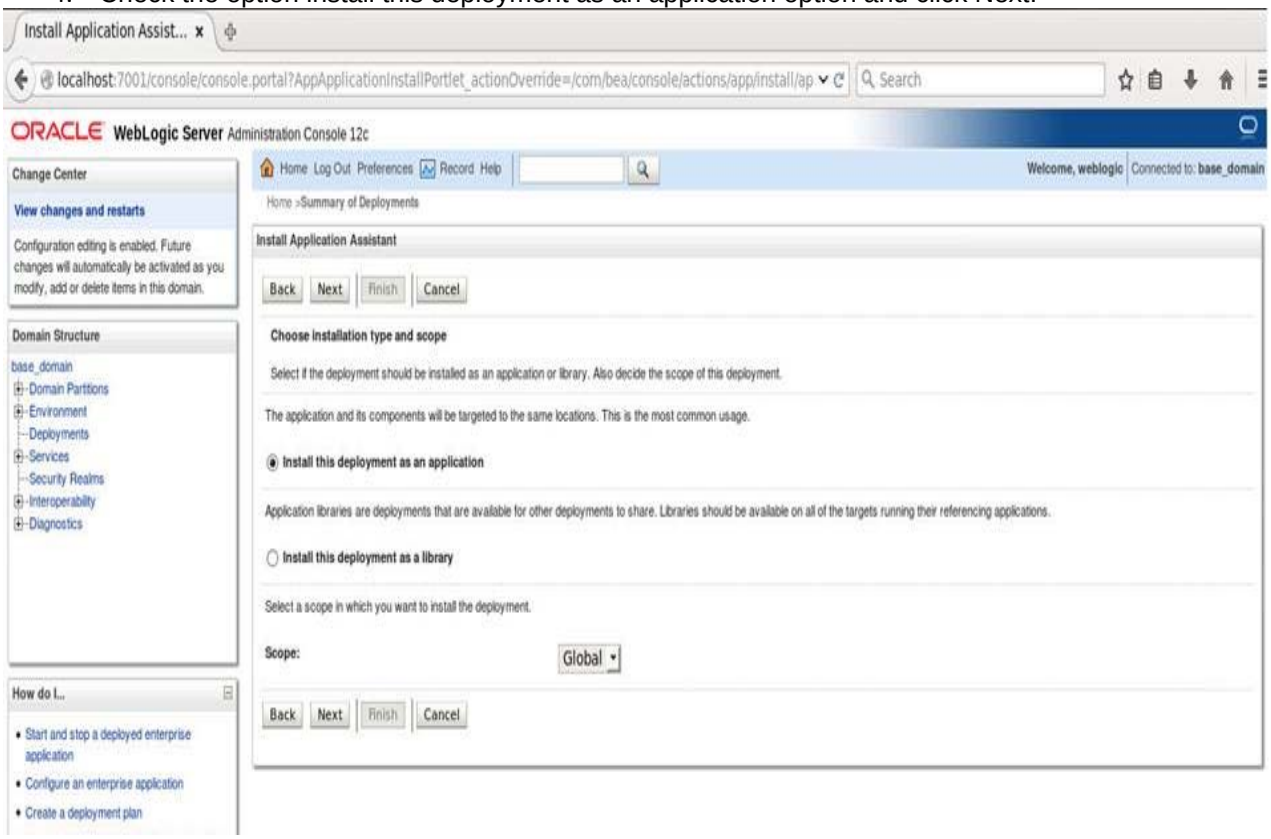
1. Extract the zip file under "**UI"** folder.
2. Open Weblogic console and navigate to the Deployments



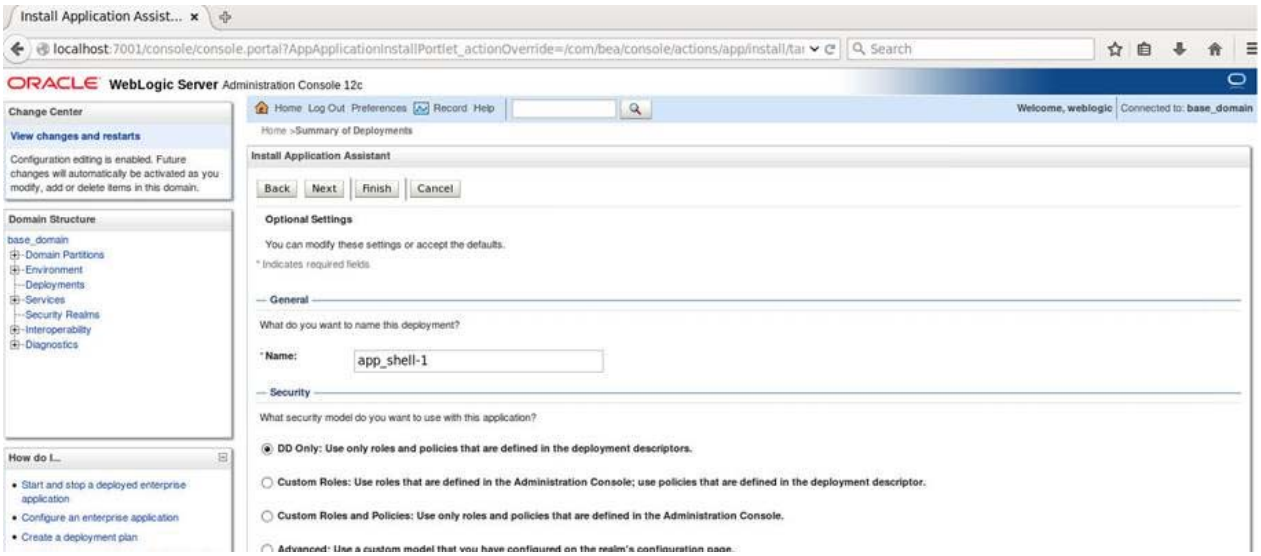
3. Click on install and click on Upload your files, locate the extracted folder and select it, click on next



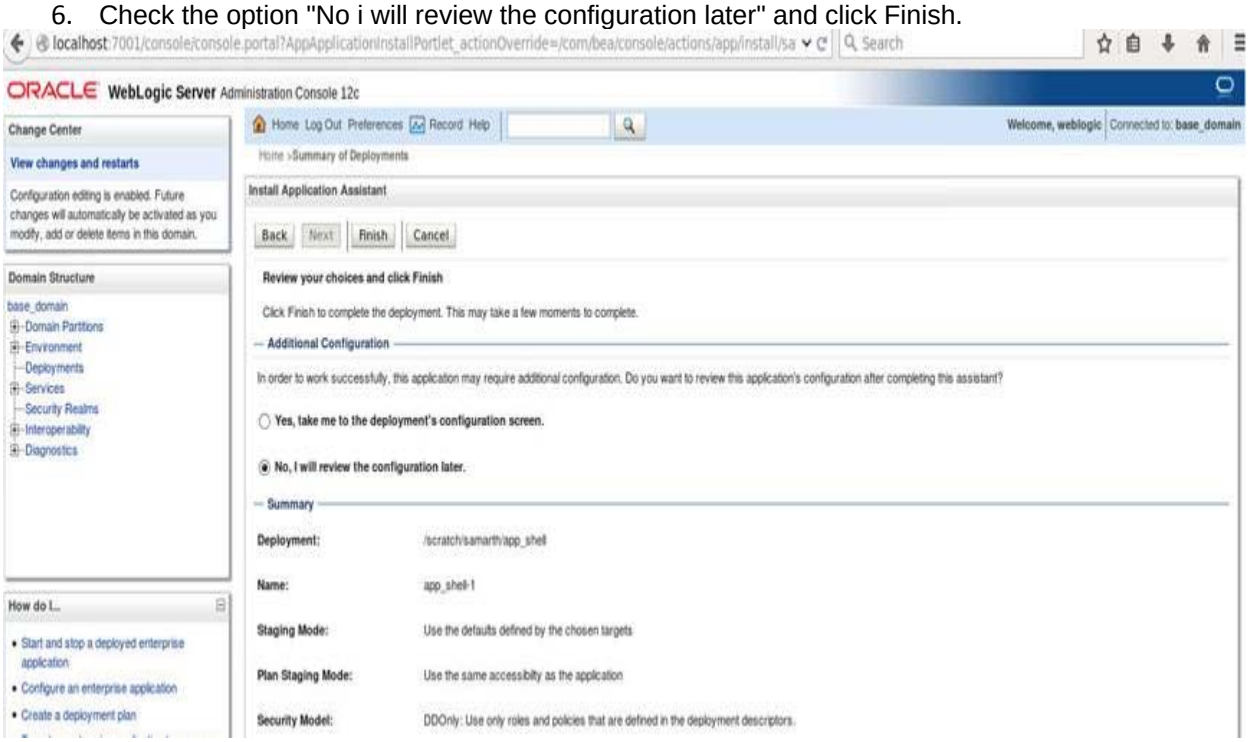
4. Check the option install this deployment as an application option and click Next.



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".

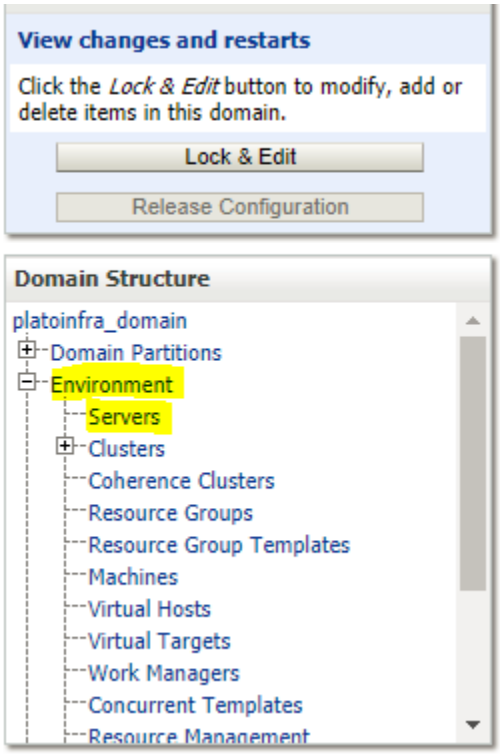
localhost:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsRuntimePage&handle=com.bea.console.h
Search
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, 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
Active OK Web Application AdminServer Global
Start Stop
Showing 1 to 1 of 1 Previous | Next

4. Restarts and Refresh

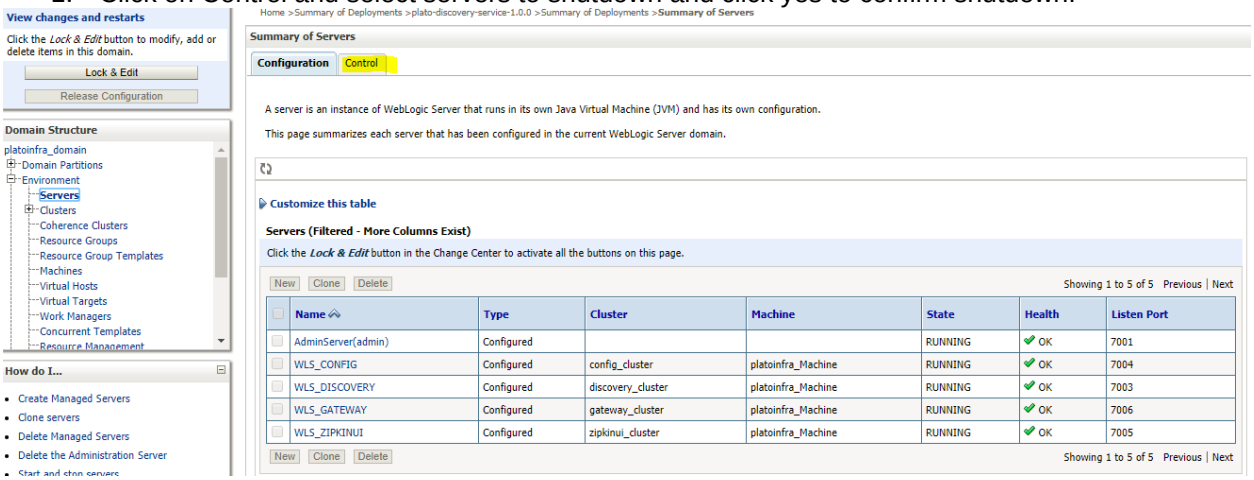
Once everything is deployed, restart all the managed servers. And for each application call path "/refresh" for refreshing the configuration properties.

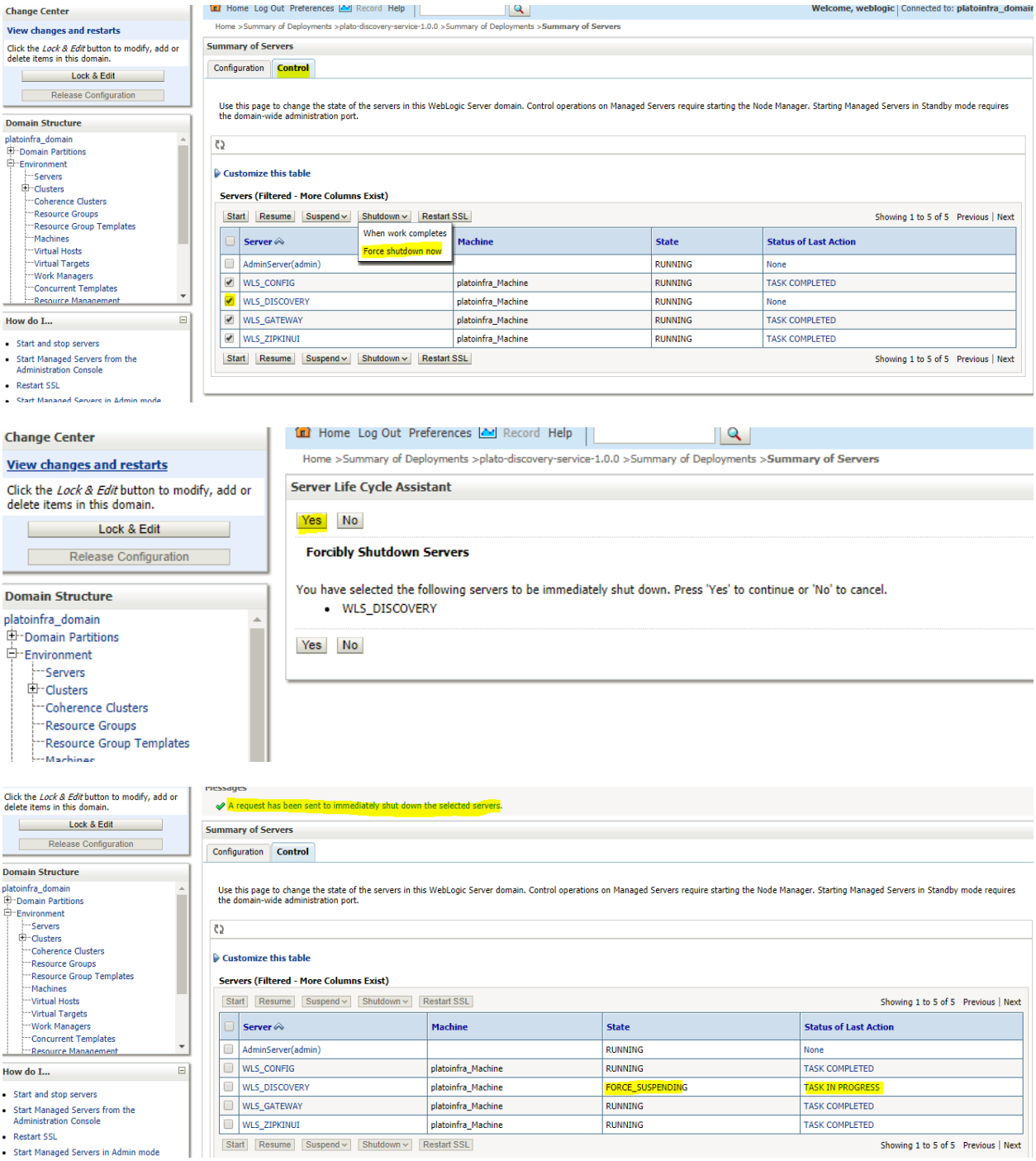
4.1 Restarting Servers

1. Go to Environment > Servers



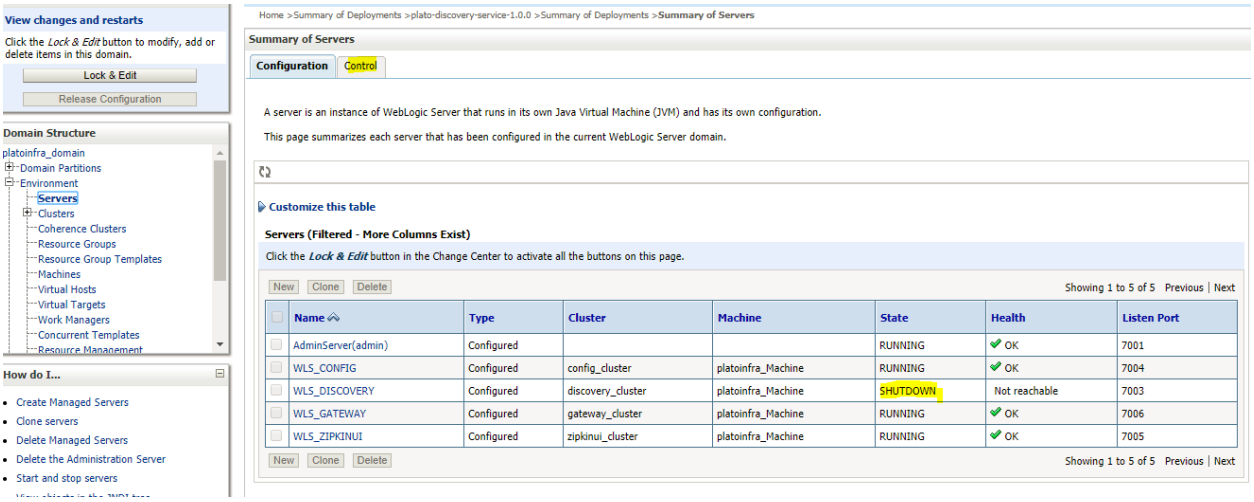
2. Click on Control and select servers to shutdown and click yes to confirm shutdown.



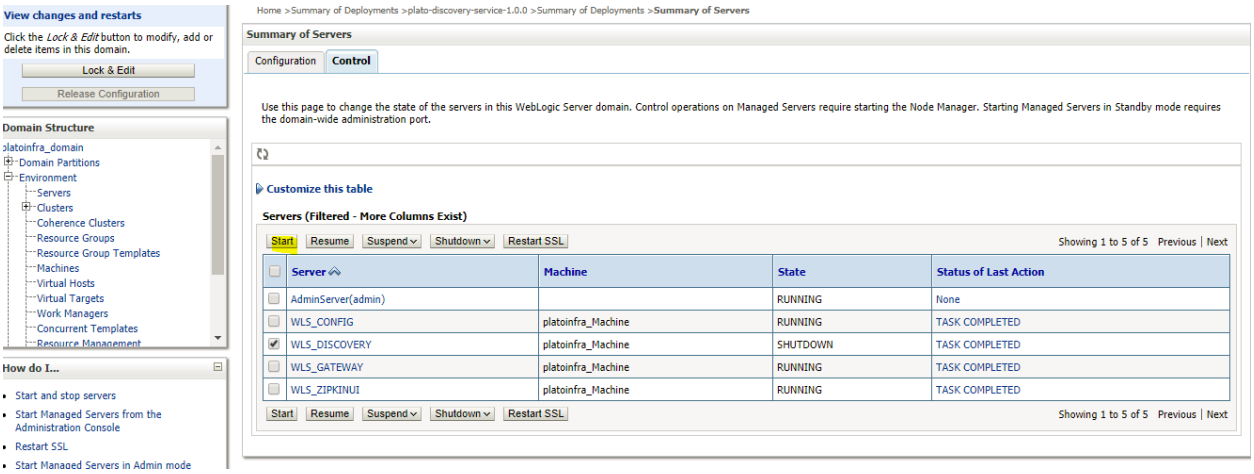

Change Center
View changes and restarts
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
Resource Management
How do I...
Start and stop servers
Start Managed Servers from the Administration Console
Restart SSL
Start Managed Servers in Admin mode
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
Start Resume Suspend Shutdown Restart SSL
Showing 1 to 5 of 5 Previous | Next

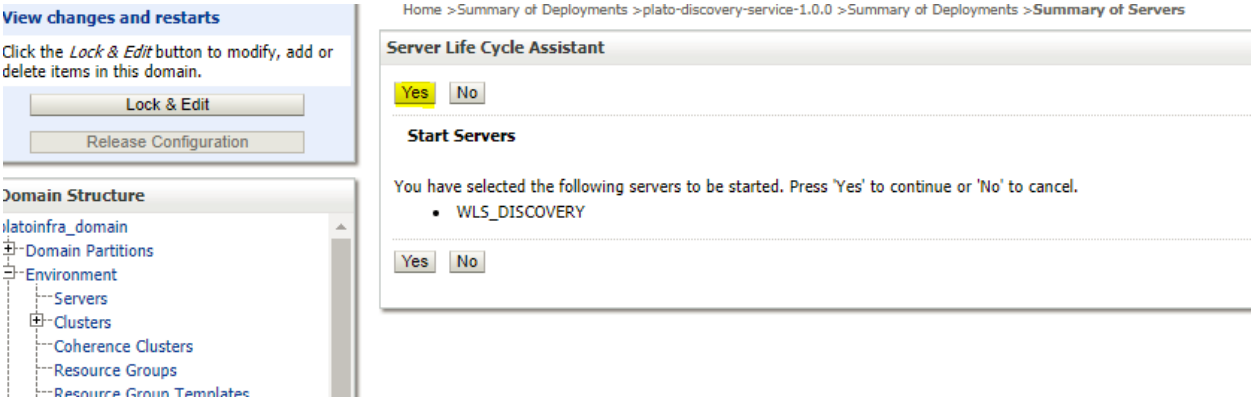
Change Center
View changes and restarts
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
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

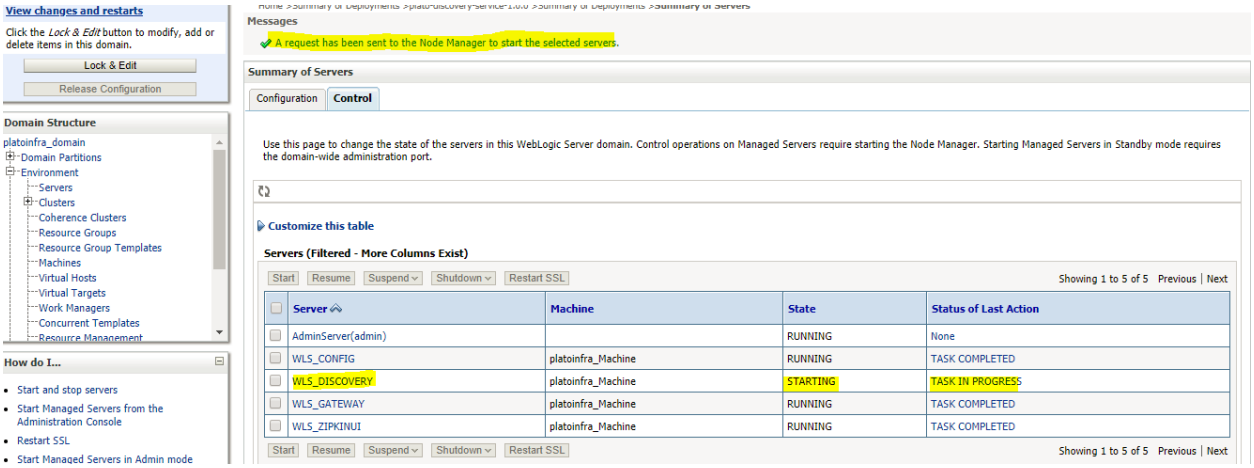
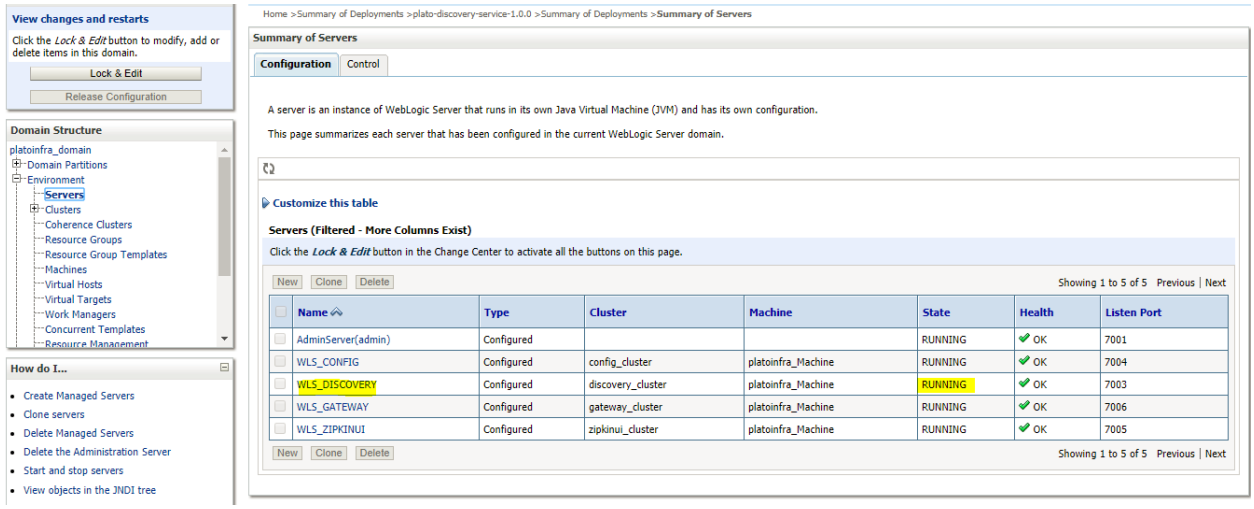
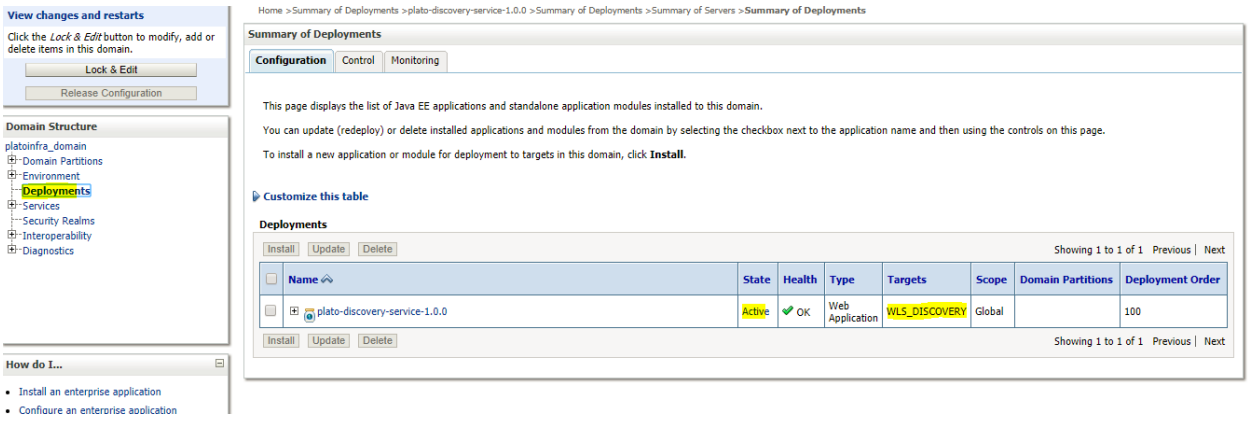
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration
Domain Structure
platoinfra_domain
Domain Partitions
Environment
Servers
Clusters
Coherence Clusters
Resource Groups
Resource Group Templates
Machines
Virtual Hosts
Virtual Targets
Work Managers
Concurrent Templates
Resource Management
How do I...
Start and stop servers
Start Managed Servers from the Administration Console
Restart SSL
Start Managed Servers in Admin mode
A request has been sent to immediately shut down the selected 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
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 FORCE_SUSPENDING TASK IN PROGRESS
WLS_GATEWAY platoinfra_Machine RUNNING TASK COMPLETED
WLS_ZIPKINUI platoinfra_Machine RUNNING TASK COMPLETED
Start Resume Suspend Shutdown Restart SSL
Showing 1 to 5 of 5 Previous | Next



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







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