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ANNEXURE-1

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# 1. ANNEXURE

## 1.1 Introduction

This documents is supporting document, while installing PLATO applications you may find reference.

## 1.2 Place Holder update for Plato-Services

### a) Method 1: Via setUserOverrides.sh file

1. Create a file called “**setUserOverrides.sh**” inside the Weblogic bin location
2. Following are the format of the setUserOverrides.sh file and the list of parameters that are to be passed in order to run the plato services properly.

Below are the list of -D params(ENV Variables) which needs to be set for all the individual services.

Setting a single -Dparam:

```
JAVA_OPTIONS="${JAVA_OPTIONS} -DParam =<ParamValue>”  
export JAVA_OPTIONS
```

#### //Common Properties

```
-Dplato.services.config.port= <CONFIG_SERVICE_PORT>
```

```
-Dplato.services.config.uri= http://<CONFIG_SERVICE_HOSTNAME>:<CONFIG_SERVICE_PORT>
```

```
-Deureka.client.serviceUrl.defaultZone= http://<DISCOVERY_SERVICE_HOST>:<DISCOVERY_SERVICE_PORT>/plato-  
discovery-service/eureka
```

```
-Dplato.services.entityservices.port= <PLATO_ORCH_SERVICE_PORT>
```

```
-Dplato.service.logging.path= <LOGGING PATH>
```

#### //Flyway Common Placeholders

```
-Dflyway.domain.placeholders.eureka.host= <DISCOVERY_SERVICE_HOST>
```

```
-Dflyway.domain.placeholders.eureka.port= <DISCOVERY_SERVICE_PORT>
```

```
-Dflyway.domain.placeholders.plato-api-gateway.server.port= <API_GATEWAY_PORT>
```

```
-Dflyway.domain.placeholders.zipkin.host= <ZIPKIN_HOSTNAME>
```

```
-Dflyway.domain.placeholders.zipkin.port= <ZIPKIN_PORT>
```

#### //SMS - Needed for other services also

```
-Dflyway.domain.placeholders.sms.username= <SMS_SCHEMA_USERNAME>
```

```
-Dflyway.domain.placeholders.sms.password= <SMS_SCHEMA_PASSWORD>
```

-Dflyway.domain.placeHolders.sms.jdbcUrl= <SMS\_SCHEMA\_URL>

-Dflyway.domain.placeHolders.sms.schemas= <SMS\_SCHEMA\_NAME>

**//Plato Config Service - Needed for other services also**

-Dflyway.domain.placeHolders.plato-config.username= <PLATO\_DB\_USERNAME>

-Dflyway.domain.placeHolders.plato-config.password= <PLATO\_DB\_PASSWORD>"

-Dflyway.domain.placeHolders.plato-config.jdbcUrl= <PLATO\_DB\_URL>

-Dflyway.domain.placeHolders.driver.className= oracle.jdbc.driver.OracleDriver

-Dflyway.domain.placeHolders.plato-config.schemas= <PLATO\_DB\_SCHEMANAME>

**//Plato Api Gateway - Needed for other services also**

-Dflyway.domain.placeHolders.api-gateway.username= <SECURITY\_DB\_USERNAME>

-Dflyway.domain.placeHolders.api-gateway.password= <SECURITY\_DB\_PASSWORD>

-Dflyway.domain.placeHolders.api-gateway.jdbcUrl= <SECURITY\_DB\_URL>

-Dflyway.domain.placeHolders.api-gateway.schemas= <SECURITY\_SCHEMANAME>

-Dflyway.domain.placeHolders.apigateway.host= <APIGATEWAY\_HOSTNAME>

-Dflyway.domain.placeHolders.apigateway.port= <APIGATEWAY\_PORT>

-Dflyway.domain.placeHolders.USER.STORE= <USER.STORE>

-Dflyway.domain.placeHolders.LDAP.CORS.allowed.origin= <LDAP\_CORS>

-Dflyway.domain.placeHolders.LDAP.credential.SALT= <LDAP\_CREDENTIALS\_SALT>

-Dflyway.domain.placeHolders.JWT.EXPIRY.seconds= <JWT\_EXPIRY\_SECONDS>

-Dflyway.domain.placeHolders.LDAP.url = <LDAP\_SERVER\_URL >

-Dflyway.domain.placeHolders.LDAP.userId = <LDAP\_SERVER\_USER>

-Dflyway.domain.placeHolders.LDAP.server.base = <LDAP\_SERVER\_BASE>

-Dflyway.domain.placeHolders.LDAP.server.credential = <LDAP\_CREDENTIALS>

-Dflyway.domain.placeHolders.LDAP.usersearch.base = <LDAP\_USER\_BASE>

-Dflyway.domain.placeHolders LDAP.user.prefix = <LDAP\_USER\_PREFIX>

-Dflyway.domain.placeHolders.LDAP.provider = <LDAP\_PROVIDER>

-Dflyway.domain.placeHolders.TOKEN.autoregenerate = <TOKEN\_AUTOREGENERATION>

-Dflyway.domain.placeHolders.SSO.enabled = <SSO\_ENABLED>

-Dflyway.domain.placeHolders.TOKEN.regeneration.enabled = <TOKEN\_ALWAYSNEW\_GENERATION >

### **//Plato Discovery Service**

-Dflyway.domain.placeHolders.plato-discovery-service.server.port=<DISCOVERY\_SERVICE\_PORT>

### **//Plato UI-Config Services**

-Dflyway.domain.placeHolders.plato-ui-config-services.server.port=<UICONFIG\_SERVICE\_PORT>

-Dflyway.domain.placeHolders.plato-ui-config.username=<UICONFIG\_SCHEMA\_USERNAME>

-Dflyway.domain.placeHolders.plato-ui-config.password=<UICONFIG\_SCHEMA\_PASSWORD>

-Dflyway.domain.placeHolders.plato-ui-config.jdbcUrl=<UICONFIG\_SCHEMA\_URL>

-Dflyway.domain.placeHolders.plato-ui-config.schemas=<UICONFIG\_SCHEMA\_NAME>

### **//Plato Feed Services**

-Dflyway.domain.placeHolders.plato-feed-services.feed.upload.directory=<FEED\_SERVICE\_UPLOAD\_PATH>

-Dflyway.domain.placeHolders.plato-feed-services.server.port=<FEED\_SERVICE\_PORT>

-Dflyway.domain.placeHolders.plato-feed-services.username=<FEED\_DB\_USERNAME>

-Dflyway.domain.placeHolders.plato-feed-services.password=<FEED\_DB\_PASSWORD>

-Dflyway.domain.placeHolders.plato-feed-services.jdbcUrl=<FEED\_DB\_URL>

-Dflyway.domain.placeHolders.plato-feed-services.schemas=<FEED\_SCHEMA\_NAME>

### **//Plato Batch Server**

-Dflyway.domain.placeHolders.plato-batch-server.server.port=<BATCH\_SERVER\_PORT>

-Dflyway.domain.placeHolders.plato-batch-server.plato.eventhub.kafka.brokers=<EVETNHUB\_KAFKA\_BROKERS>

-Dflyway.domain.placeHolders.plato-batch-server.plato.eventhub.zk.nodes=<ZK\_NODES>

-Dflyway.domain.placeHolders.plato-batch-server.username=<BATCH\_SCHEMA\_USERNAME>

-Dflyway.domain.placeHolders.plato-batch-server.password=<BATCH\_SCHEMA\_PASSWORD>

-Dflyway.domain.placeHolders.plato-batch-server.jdbcUrl=<BATCH\_SCHEMA\_URL>

-Dflyway.domain.placeHolders.plato-batch-server.schemas=<BATCH\_SCHEMA\_NAME>

### **// Plato-Alerts-Management-Services**

-Dflyway.domain.placeHolders.plato-alerts-management-services.server.port=<ALERTS-MANAGEMENT-SERVER-PORT>

-Dflyway.domain.placeHolders.plato-alerts-management-services.plato.eventhub.kafka.brokers=<EVENTHUB\_KAFKA\_BROKERS>

-Dflyway.domain.placeHolders.plato-alerts-management-services.plato.eventhub.zk.nodes=<ZK\_NODES>

-Dflyway.domain.placeHolders.plato-alerts-management-services.username=<ALERTS\_SCHEMA\_USERNAME>

-Dflyway.domain.placeHolders.plato-alerts-management-services.password=<ALERTS\_SCHEMA\_PASSWORD>

-Dflyway.domain.placeHolders.plato-alerts-management-services.jdbcUrl=<ALERTS\_SCHEMA\_URL>

-Dflyway.domain.placeHolders.plato-alerts-management-services.schemas=<ALERTS\_SCHEMA\_NAME>

### **//Plato Orch Service**

-Dflyway.domain.placeHolders.plato-orch-service.server.port=<ORCH\_SERVICE\_PORT>

-Dflyway.domain.placeHolders.plato-orchestrator.hostname=<CONDUCTOR-EUREKA-HOSTNAME >

### **//Conductor**

-Dconductor.properties=<CONDUCTOR\_CONFIG\_FILE\_PATH>

### **//Common core NLP services**

-Dflyway.domain.placeholders.cmc-nlp-annotator-services.server.port=<CMC\_NLP\_ANNOTATOR\_SERVICES\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-dashboard-widget-services.server.port=<CMC\_NLP\_DASHBOARD\_SERVICES\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-model-mngmnt-services.server.port=<CMC\_NLP\_MODEL\_MANGEMENT\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-online-processing-services.server.port=<CMC\_NLP\_ONLINE\_PROCESSING\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-tag-maint-services.server.port=<CMC\_NLP\_TAG\_MAINTENANCE\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-text-extraction-services.server.port=<CMC\_NLP\_TEXT\_EXTRACTION\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-txn-log-services.server.port=<CMC\_NLP\_TXN\_LOG\_SERVICES\_PORT>

-Dflyway.domain.placeholders.cmc-nlp-util-services.server.port=<CMC\_NLP\_UTIL\_SERVICES\_PORT>

## // Common core NLP Poller service

```
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.port=<Server_Port>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.postingPath=<Posting_Path>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.pollingPath=<Polling_Path>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.pollingEmail=<Polling_Email>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.emailServerHost=<Email_Server_Host>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.emailServerPort=<Email_Server_PORT>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.pollingFrequency=<Polling_Frequency>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.pollerInitialDelay=<Poller_Initial_Delay>
-Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.emailPassword=<Poller_Email_Password>
```

## b) Method 2: Via passing the -D params in the Server start argument

All the above mentioned -D parameters can be passed via Server start argument in respective managed server.

### Step 1:

Go to the Server Configuration tab and click on the managed server to which you want to pass the values.

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

| <input type="checkbox"/> | Name               | Type       | Cluster | Machine   | State   | Health | Listen Port |
|--------------------------|--------------------|------------|---------|-----------|---------|--------|-------------|
| <input type="checkbox"/> | AdminServer(admin) | Configured |         | whf00diox | RUNNING | ✓ OK   | 7001        |
| <input type="checkbox"/> | managed1_server    | Configured |         | whf00diox | RUNNING | ✓ OK   | 7003        |

New Clone Delete Showing 1 to 2 of 2 Previous | Next

## Step 2:

In the next screen, go to the Server start tab.

Settings for managed1\_server

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services Keystores SSL Federation Services Deployment Migration Tuning Overload Concurrency Health Monitoring **Server Start**

Web Services Coherence

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Node Manager is a WebLogic Server utility that you can use to start, suspend, shut down, and restart servers in normal or unexpected conditions. Use this page to configure the startup settings that Node Manager will use to start this server on a remote machine.

|                        |                      |                                                                                                                                                                                                                                                |
|------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Java Home:</b>      | <input type="text"/> | The Java home directory (path on the machine running Node Manager) to use when starting this server. <a href="#">More Info...</a>                                                                                                              |
| <b>Java Vendor:</b>    | <input type="text"/> | The Java Vendor value to use when starting this server. <a href="#">More Info...</a>                                                                                                                                                           |
| <b>BEA Home:</b>       | <input type="text"/> | The BEA home directory (path on the machine running Node Manager) to use when starting this server. <a href="#">More Info...</a>                                                                                                               |
| <b>Root Directory:</b> | <input type="text"/> | The directory that this server uses as its root directory. This directory must be on the computer that hosts Node Manager. If you do not specify a Root Directory value, the domain directory is used by default. <a href="#">More Info...</a> |
| <b>Class Path:</b>     | <input type="text"/> | The classpath (path on the machine running Node Manager) to use when starting this server. <a href="#">More Info...</a>                                                                                                                        |

## Step 3:

Edit the Arguments tab and pass all the environment parameters required for the service to run.

Node Manager is a WebLogic Server utility that you can use to start, suspend, shut down, and restart servers in normal or unexpected conditions. Use this page to configure the startup settings that Node Manager will use to start this server on a remote machine.

|                        |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Java Home:</b>      | <input type="text"/>                                                                                                                                                                                                          | The Java home directory (path on the machine running Node Manager) to use when starting this server. <a href="#">More Info...</a>                                                                                                              |
| <b>Java Vendor:</b>    | <input type="text"/>                                                                                                                                                                                                          | The Java Vendor value to use when starting this server. <a href="#">More Info...</a>                                                                                                                                                           |
| <b>BEA Home:</b>       | <input type="text"/>                                                                                                                                                                                                          | The BEA home directory (path on the machine running Node Manager) to use when starting this server. <a href="#">More Info...</a>                                                                                                               |
| <b>Root Directory:</b> | <input type="text"/>                                                                                                                                                                                                          | The directory that this server uses as its root directory. This directory must be on the computer that hosts Node Manager. If you do not specify a Root Directory value, the domain directory is used by default. <a href="#">More Info...</a> |
| <b>Class Path:</b>     | <input type="text"/>                                                                                                                                                                                                          | The classpath (path on the machine running Node Manager) to use when starting this server. <a href="#">More Info...</a>                                                                                                                        |
| <b>Arguments:</b>      | <pre>-Deureka.server.enable-self-preservation=false -Dspring.flyway.enabled=false -Dflyway.enabled=false -Deureka.client.serviceUrl.defaultZone=http://whf00dkx:7003 /plato-discovery-service/eureka -Dserver.port=7003</pre> | The arguments to use when starting this server. <a href="#">More Info...</a>                                                                                                                                                                   |

## Step 4:

Save the configuration and restart the managed server. Thereafter the service can be started or deployed properly.

### c) Method 3: Using env files and setUserOverrides.sh file

#### Step 1:

Copy the setUserOverrides.sh file to each of the <domain>/bin folder. The example of the file is given below.

```
#!/bin/bash
# shellcheck disable=SC1090
# Common functions

set -e -x

config_file=""
PLATO_CONFIG_MANAGED_SERVER_NAME=""

# This file is used only for PLATO-CONFIG service
plato_config_file="${DOMAIN_HOME}/bin/plato-config-deploy.env"

# This file is used for rest of the services
domain_config_file="${DOMAIN_HOME}/bin/domain-config-deploy.env"

if [ -f "$plato_config_file" ] ; then
    PLATO_CONFIG_MANAGED_SERVER_NAME=`cat ${DOMAIN_HOME}/bin/plato-config-deploy.env | grep "PLATO_CONFIG_MANAGED_SERVER_NAME" | cut -d'=' -f2`
fi

if [ "${SERVER_NAME}" = "${PLATO_CONFIG_MANAGED_SERVER_NAME}" ] ; then
    # This will get executed only for Plato-config service entries
    config_file="${plato_config_file}"
else
    # This will get executed for all other services
    config_file="${domain_config_file}"
fi

if [ -f "$config_file" ]
then
    while read -r prop || [ -n "$prop" ]
    do
        case "$prop" in \#*) continue ;; esac
        if [ -z "${prop}" ] ; then
            continue
        else
            PLACEHOLDERS="${PLACEHOLDERS}" "$(echo -D$prop)"
            PLACEHOLDERS="${PLACEHOLDERS}"
        fi
    done < "$config_file"
else
    echo "$config_file not found. please provide the property file to set -D parameter"
    exit 1
fi

PLACEHOLDERS="${PLACEHOLDERS}"

JAVA_OPTIONS="${JAVA_OPTIONS}${PLACEHOLDERS}"

export JAVA_OPTIONS

echo "${JAVA_OPTIONS}"
```

## Step 2: Need to place the env files containing all the key value pairs of the D params in the respective <domain>/env folder

The plato-config-deploy.env file contains all the key value pairs specific only to the plato-config-service and need to be placed in the bin folder of the plato-domain.

The domain-config-deploy.env file contains the key-value pairs for the rest of the services and should be placed in each <domain>/bin folder.

The sample for each of the files are given below:

### **plato-config-deploy.env**

```
#### Managed server name of plato-config service ####
PLATO_CONFIG_MANAGED_SERVER_NAME=
```

```
#### plato config flyway connection entries ####
```

```
flywayTask=migrate
flyway.enabled=true
spring.flyway.enabled=false
plato-config.flyway.domain.db.username=
plato-config.flyway.domain.db.password=
plato-config.flyway.domain.db.jdbcUrl=
plato-config.flyway.domain.schemas=
plato-
config.flyway.domain.locations=db/migration/domain/plato,db/migration/domain/sms,db/migration/
domain/cmc,db/migration/domain/obvam
```

```
#### Kafka properties for all services ####
```

```
flyway.domain.placeholders.plato.eventhub.broker.hosts=
flyway.domain.placeholders.plato.eventhub.zookeeper.hosts=
```

```
#### common entries for all services ####
```

```
flyway.domain.placeholders.driver.className=oracle.jdbc.driver.OracleDriver
```

```
#### eureka entries for all services ####
```

```
flyway.domain.placeholders.eureka.host=
flyway.domain.placeholders.eureka.port=
```

```
#### zipkin entries for all services ####
```

```
flyway.domain.placeholders.zipkin.host=
flyway.domain.placeholders.zipkin.port=
```

```
#### plato config flyway placeholder entries ####
```

```
flyway.domain.placeholders.plato-config.username=
flyway.domain.placeholders.plato-config.password=
flyway.domain.placeholders.plato-config.jdbcUrl=
flyway.domain.placeholders.plato-config.schemas=
flyway.domain.placeholders.plato-config.sessionIdleTimeout=
flyway.domain.placeholders.plato-config.sessionIdleWarningTime=
flyway.domain.placeholders.plato-config.environment=
```

```
#### plato api-gateway flyway placeholder entries ####
```

```
flyway.domain.placeholders.api-gateway.host=
flyway.domain.placeholders.api-gateway.username=
flyway.domain.placeholders.api-gateway.password=
flyway.domain.placeholders.api-gateway.jdbcUrl=
```

flyway.domain.placeholders.api-gateway.schemas=  
flyway.domain.placeholders.plato-api-gateway.server.port=

### plato api-gateway LDAP flyway placeholder entries ###

flyway.domain.placeholders.USER.STORE=  
flyway.domain.placeholders.LDAP.CORS.allowed.origin=  
flyway.domain.placeholders.LDAP.credential.SALT=  
flyway.domain.placeholders.JWT.EXPIRY.seconds=  
flyway.domain.placeholders.LDAP.url=  
flyway.domain.placeholders.LDAP.userId=  
flyway.domain.placeholders.LDAP.server.base=  
flyway.domain.placeholders.LDAP.server.credential=  
flyway.domain.placeholders.LDAP.usersearch.base=  
flyway.domain.placeholders.LDAP.user.prefix=  
# Allowed values for LDAP provider are: EMBEDDED\_WEBLOGIC, PLATO  
# If LDAP is running in weblogic then value should be EMBEDDED\_WEBLOGIC  
# If spring based LDAP(which is run through a jar provided) is used, then the value should be  
PLATO  
flyway.domain.placeholders.LDAP.provider=  
flyway.domain.placeholders.TOKEN.autoregenerate=  
flyway.domain.placeholders.SSO.enabled=  
flyway.domain.placeholders.TOKEN.regeneration.enabled=

### plato-ui-config flyway placeholder entries ###

flyway.domain.placeholders.plato-ui-config.username=  
flyway.domain.placeholders.plato-ui-config.password=  
flyway.domain.placeholders.plato-ui-config.jdbcUrl=  
flyway.domain.placeholders.plato-ui-config.schemas=  
flyway.domain.placeholders.plato-ui-config-services.server.port=  
flyway.domain.placeholders.apigateway.host=  
flyway.domain.placeholders.apigateway.port=

### plato-discovery flyway placeholder entries ###

flyway.domain.placeholders.plato-discovery-service.server.port=

### plato-orch flyway placeholder entries ###

flyway.domain.placeholders.plato-orch-service.server.port=  
flyway.domain.placeholders.plato-orchestrator.hostname=

### plato-feed flyway placeholder entries ###

flyway.domain.placeholders.plato-feed-services.username=  
flyway.domain.placeholders.plato-feed-services.password=  
flyway.domain.placeholders.plato-feed-services.jdbcUrl=  
flyway.domain.placeholders.plato-feed-services.jndi=jdbc/PLATOFEEED  
flyway.domain.placeholders.plato-feed-services.schemas=  
flyway.domain.placeholders.plato-feed-services.feed.upload.directory=  
flyway.domain.placeholders.plato-feed-services.server.port=

### plato-batch flyway placeholder entries ###

flyway.domain.placeholders.plato-batch-server.username=  
flyway.domain.placeholders.plato-batch-server.password=  
flyway.domain.placeholders.plato-batch-server.jdbcUrl=  
flyway.domain.placeholders.plato-batch-server.schemas=  
flyway.domain.placeholders.plato-batch-server.server.port=  
flyway.domain.placeholders.plato-batch-server.plato.eventhub.kafka.brokers=  
flyway.domain.placeholders.plato-batch-server.plato.eventhub.zk.nodes=  
flyway.domain.placeholders.plato-batch-server.jndi=jdbc/PLATOBATCH

### plato-alerts-management flyway placeholder entries ###

flyway.domain.placeholders.plato-alerts-management-services.username=  
flyway.domain.placeholders.plato-alerts-management-services.password=  
flyway.domain.placeholders.plato-alerts-management-services.jdbcUrl=  
flyway.domain.placeholders.plato-alerts-management-services.schemas=  
flyway.domain.placeholders.plato-alerts-management-services.server.port=

### sms flyway placeholder entries ###

flyway.domain.placeholders.sms-core-services.server.port=  
flyway.domain.placeholders.sms.username=  
flyway.domain.placeholders.sms.password=  
flyway.domain.placeholders.sms.jdbcUrl=  
flyway.domain.placeholders.sms.schemas=

### cmncore flyway placeholder entries ###

flyway.domain.placeholders.cmncore.username=  
flyway.domain.placeholders.cmncore.password=  
flyway.domain.placeholders.cmncore.jdbcUrl=  
flyway.domain.placeholders.cmncore.schemas=  
flyway.domain.placeholders.cmc-corebanking-adapter-service.server.port=  
flyway.domain.placeholders.cmc-currency-services.server.port=  
flyway.domain.placeholders.cmc-account-services.server.port=  
flyway.domain.placeholders.cmc-base-services.server.port=  
flyway.domain.placeholders.cmc-external-virtual-account-services.server.port=  
flyway.domain.placeholders.cmc-branch-services.server.port=  
flyway.domain.placeholders.cmc-customer-services.server.port=  
flyway.domain.placeholders.cmc-external-chart-account-services.server.port=  
flyway.domain.placeholders.cmc-external-system-services.server.port=  
flyway.domain.placeholders.cmc-advice-services.server.port=  
flyway.domain.placeholders.cmc-facilities-services.server.port=  
flyway.domain.placeholders.cmc-txn-code-services.server.port=  
flyway.domain.placeholders.cmc-settlement-services.server.port=  
flyway.domain.placeholders.cmc-businessoverrides-services.server.port=  
flyway.domain.placeholders.cmc-resource-segment-orchestrator-service.server.port=  
flyway.domain.placeholders.cmc-screenclass-services.server.port=  
flyway.domain.placeholders.cmc-datasegment-services.server.port=  
flyway.domain.placeholders.cmc-settlements-services.server.port=  
flyway.domain.placeholders.cmc-transactioncontroller-services.server.port=  
flyway.domain.placeholders.cmc-report-services.server.port=  
flyway.domain.placeholders.cmc-nlp-annotator-services.server.port=  
flyway.domain.placeholders.cmc-nlp-dashboard-widget-services.server.port=  
flyway.domain.placeholders.cmc-nlp-model-mngmnt-services.server.port=  
flyway.domain.placeholders.cmc-nlp-online-processing-services.server.port=  
flyway.domain.placeholders.cmc-nlp-tag-maint-services.server.port=  
flyway.domain.placeholders.cmc-nlp-text-extraction-services.server.port=  
flyway.domain.placeholders.cmc-nlp-txn-log-services.server.port=  
flyway.domain.placeholders.cmc-nlp-util-services.server.port=  
flyway.domain.placeholders.cmc-batch-services.server.port=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.server.port=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.postingPath=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.pollingEmail=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.emailServerPort=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.emailServerHost=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.pollingFrequency=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.pollerInitialDelay=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.emailPassword=  
flyway.domain.placeholders.cmc-fc-ai-ml-services.pollingPath=

### biPublisher related cmc-report-service entries ###

flyway.domain.placeholders.weblogic.userid=  
flyway.domain.placeholders.weblogic.password=  
flyway.domain.placeholders.biPublisher.host=  
flyway.domain.placeholders.biPublisher.port=  
flyway.domain.placeholders.runReportTemplate=  
flyway.domain.placeholders.emailTemplate=  
flyway.domain.placeholders.dms.host=  
flyway.domain.placeholders.dms.port=

### flyway jndi connection details for shared services placeholder entries ###

flyway.domain.placeholders.plato.jndi=jdbc/PLATO  
flyway.domain.placeholders.plato-config.jndi=jdbc/PLATO  
flyway.domain.placeholders.plato-sec.jndi=jdbc/PLATO\_SECURITY  
flyway.domain.placeholders.plato-ui-config.jndi=jdbc/PLATO\_UI\_CONFIG  
flyway.domain.placeholders.sms.jndi=jdbc/sms  
flyway.domain.placeholders.cmncore.jndi=jdbc/CMNCORE

### flyway jndi connection details for obvam services placeholder entries ###

flyway.domain.placeholders.eie.jndi=jdbc/EIE  
flyway.domain.placeholders.eie.server.port=  
flyway.domain.placeholders.eie.schemas=

flyway.domain.placeholders.elm.jndi=jdbc/ELM  
flyway.domain.placeholders.elm.server.port=  
flyway.domain.placeholders.elm.schemas=

flyway.domain.placeholders.vam.jndi=jdbc/VAM  
flyway.domain.placeholders.vam.server.port=  
flyway.domain.placeholders.vam.schemas=

flyway.domain.placeholders.vac.jndi=jdbc/VAC  
flyway.domain.placeholders.vac.server.port=  
flyway.domain.placeholders.vac.schemas=

flyway.domain.placeholders.vab.jndi=jdbc/VAB  
flyway.domain.placeholders.vab.server.port=  
flyway.domain.placeholders.vab.schemas=

flyway.domain.placeholders.vae.jndi=jdbc/VAE  
flyway.domain.placeholders.vae.server.port=  
flyway.domain.placeholders.vae.schemas=

flyway.domain.placeholders.eda.jndi=jdbc/EDA  
flyway.domain.placeholders.eda.server.port=  
flyway.domain.placeholders.eda.schemas=

flyway.domain.placeholders.vai.jndi=jdbc/VAI  
flyway.domain.placeholders.vai.server.port=  
flyway.domain.placeholders.vai.schemas=

flyway.domain.placeholders.van.jndi=jdbc/VAN  
flyway.domain.placeholders.van.server.port=  
flyway.domain.placeholders.van.schemas=

flyway.domain.placeholders.vap.jndi=jdbc/VAP  
flyway.domain.placeholders.vap.server.port=  
flyway.domain.placeholders.vap.schemas=

```
flyway.domain.placeholders.vas.jndi=jdbc/VAS
flyway.domain.placeholders.vas.server.port=
flyway.domain.placeholders.vas.schemas=
```

```
flyway.domain.placeholders.vat.jndi=jdbc/VAT
flyway.domain.placeholders.vat.server.port=
flyway.domain.placeholders.vat.schemas=
```

```
flyway.domain.placeholders.vaj.server.port=
```

```
### generic entries for all services ###
spring.cloud.config.uri=
apigateway.url=
service.logging.environment=
service.logging.path=
```

### **domain-config-deploy.env**

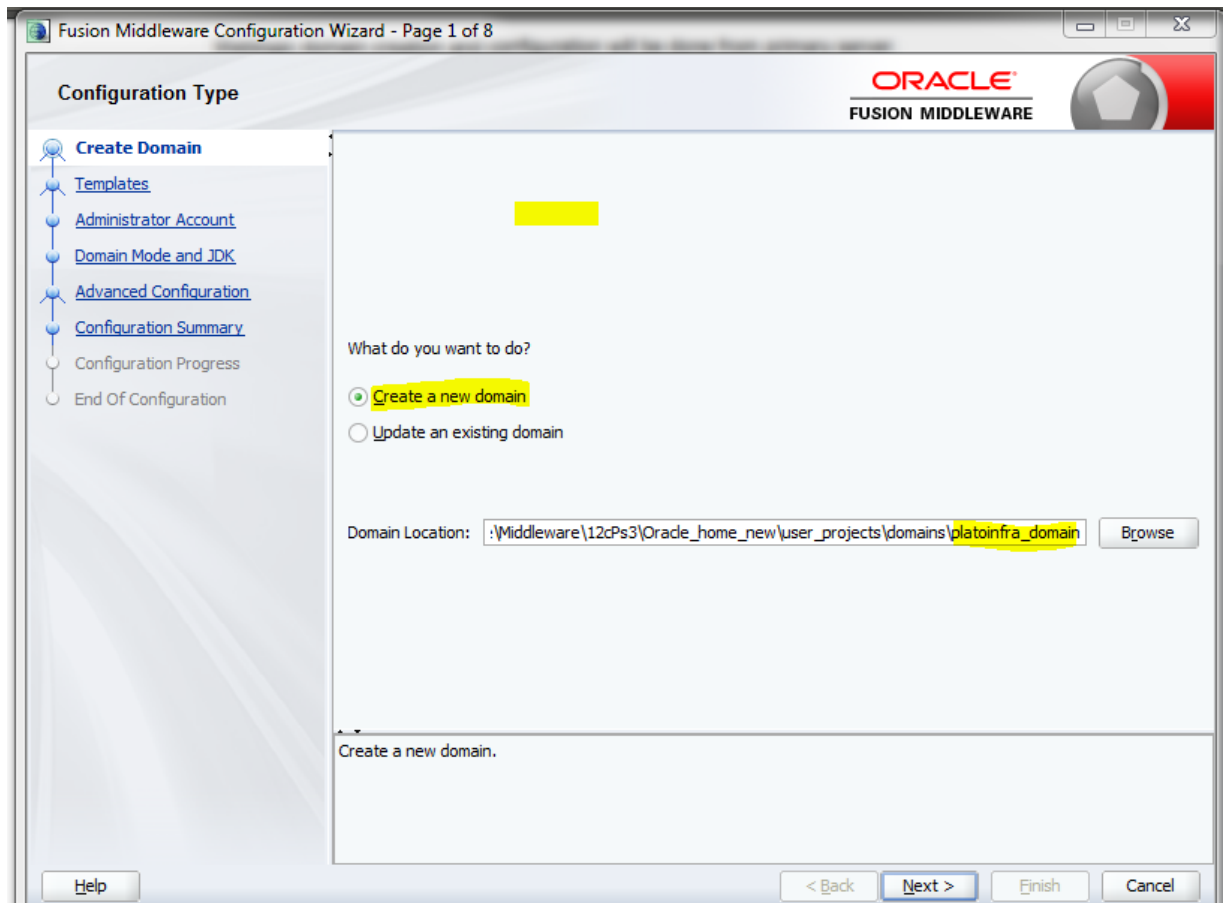
```
### domain config flyway connection entries ###
flywayTask=migrate
flyway.enabled=true
spring.flyway.enabled=false
```

```
### generic entries for all services ###
spring.cloud.config.uri=
apigateway.url=
service.logging.environment=
service.logging.path=
```

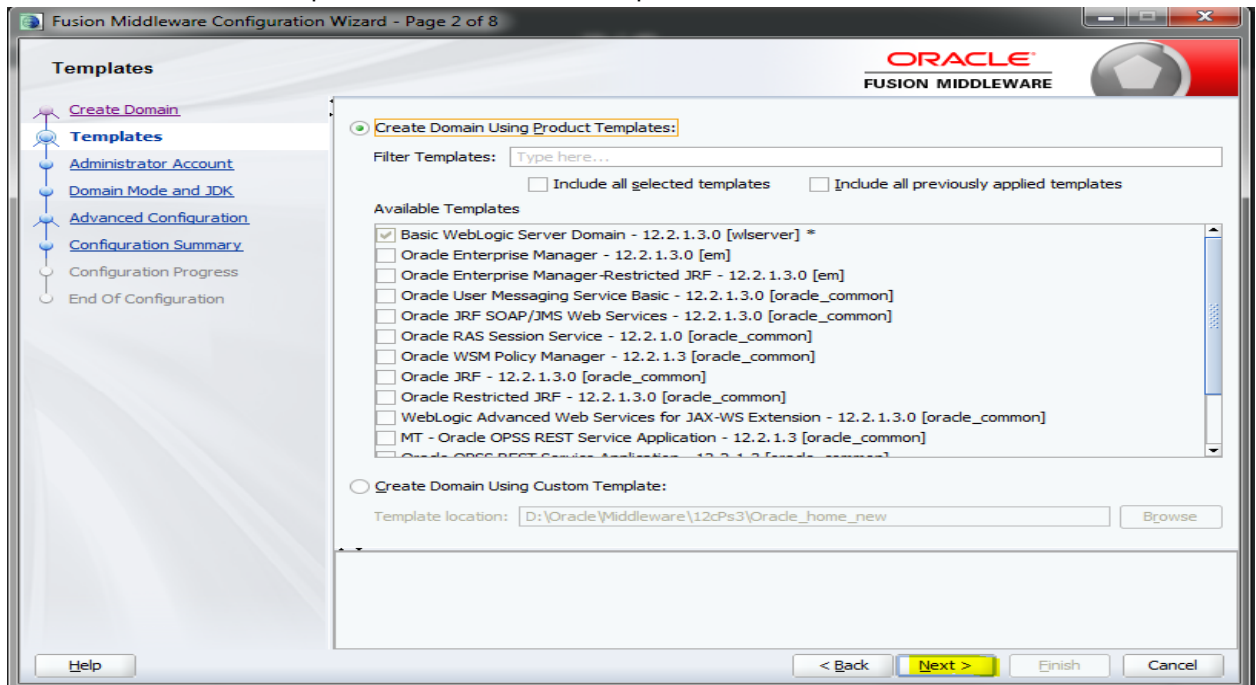
## **1.3 How to create Domain and Cluster Configuration**

**[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**. e.g. **"platoinfra\_domain"**



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



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

Fusion Middleware Configuration Wizard - Page 3 of 8

**Administrator Account**

ORACLE  
FUSION MIDDLEWARE

Create Domain  
Templates  
**Administrator Account**  
Domain Mode and JDK  
Advanced Configuration  
Configuration Summary  
Configuration Progress  
End Of Configuration

Name: weblogic  
Password: .....  
Confirm Password: .....

Must be the same as the password. Password must contain at least 8 alphanumeric characters with at least one number or special character.

Help < Back Next > Finish Cancel

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

Fusion Middleware Configuration Wizard - Page 4 of 8

**Domain Mode and JDK**

ORACLE  
FUSION MIDDLEWARE

Create Domain  
Templates  
Administrator Account  
**Domain Mode and JDK**  
Advanced Configuration  
Configuration Summary  
Configuration Progress  
End Of Configuration

**Domain Mode**

☐ Development  
Utilize boot.properties for username and password, and poll for applications to deploy.

☒ **Production**  
Require the entry of a username and password, and do not poll for applications to deploy.

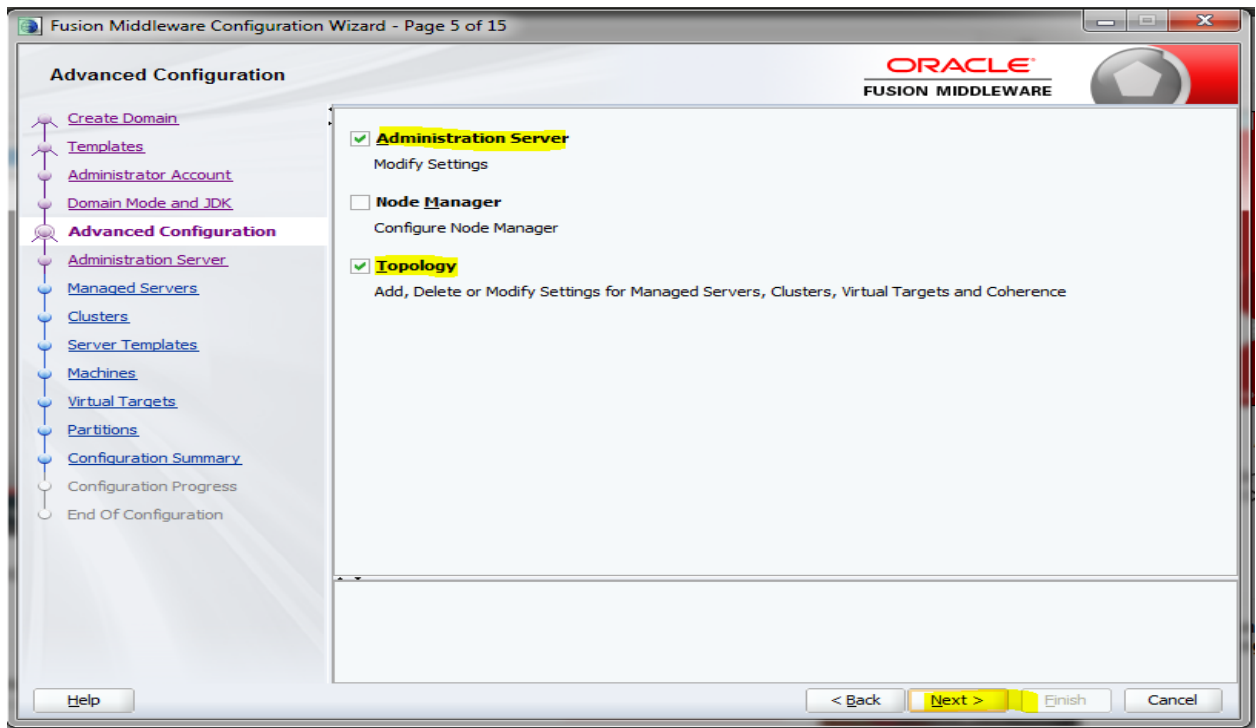
**JDK**

☒ Oracle HotSpot 1.8.0\_171 C:\PROGRA~1\Java\JDK18~1.0\_1

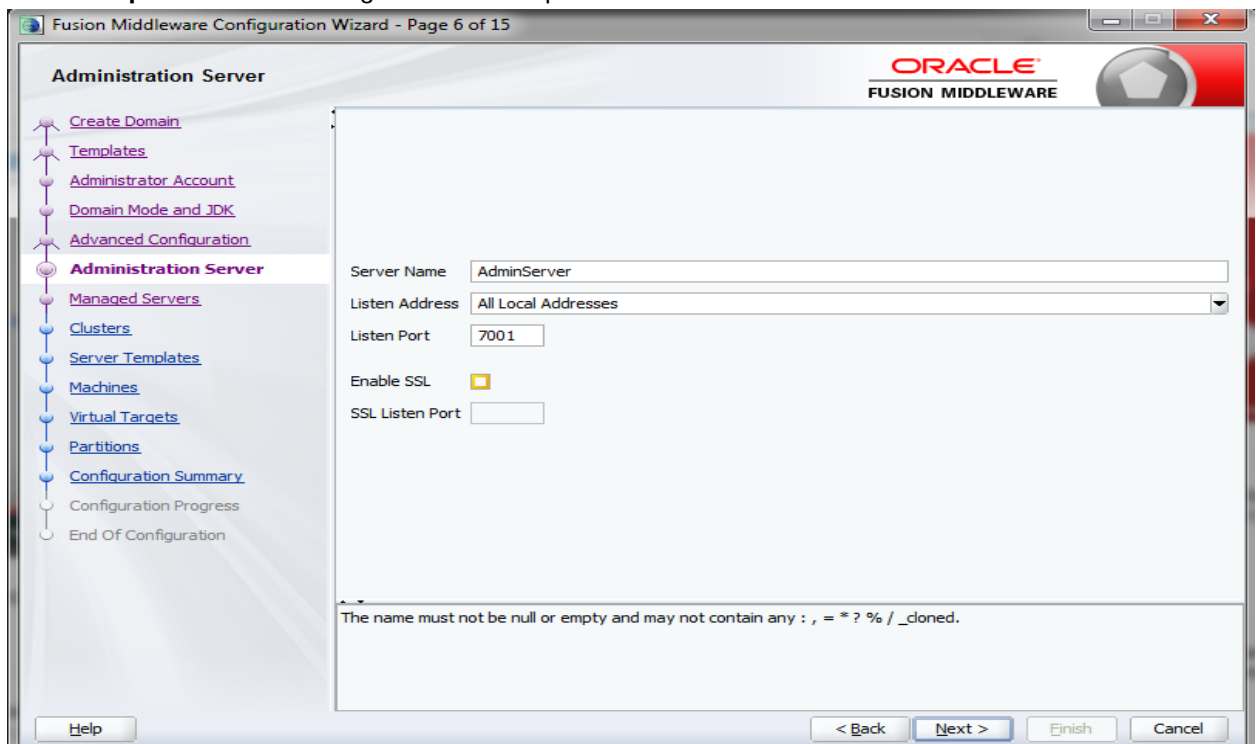
☐ Other JDK Location:  Browse

Help < Back Next > Finish Cancel

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.

**Managed Servers**

ORACLE  
FUSION MIDDLEWARE

[+ Add](#) [Clone](#) [Delete](#) [Discard Changes](#)

| Server Name                | Listen Address      | Listen Port | Enable SSL<br><input type="checkbox"/> | SSL Listen Port |
|----------------------------|---------------------|-------------|----------------------------------------|-----------------|
| Config_Server              | All Local Addresses | 7003        | <input type="checkbox"/>               | Disabled        |
| Discovery_Server           | All Local Addresses | 7004        | <input type="checkbox"/>               | Disabled        |
| Api_Gateway_Server         | All Local Addresses | 7005        | <input type="checkbox"/>               | Disabled        |
| Plato_UI_Config_Server     | All Local Addresses | 7006        | <input type="checkbox"/>               | Disabled        |
| Plato_Orch_Server          | All Local Addresses | 7007        | <input type="checkbox"/>               | Disabled        |
| Plato_Feed_Server          | All Local Addresses | 7008        | <input type="checkbox"/>               | Disabled        |
| Plato_Batch_Server         | All Local Addresses | 7009        | <input type="checkbox"/>               | Disabled        |
| Plato_Alerts_Management_Se | All Local Addresses | 7010        | <input type="checkbox"/>               | Disabled        |

[Help](#) [< Back](#) [Next >](#) [Finish](#) [Cancel](#)

9. Add clusters one for each **managed servers**.

**Clusters**

ORACLE  
FUSION MIDDLEWARE

+ Add    X Delete    Discard Changes

| Cluster Name          | Cluster Address | Frontend Host | Frontend HTTP Port | Frontend HTTPS Port |
|-----------------------|-----------------|---------------|--------------------|---------------------|
| Config_Cluster        |                 |               | 0                  | 0                   |
| Discovery_Cluster     |                 |               | 0                  | 0                   |
| Api_Gateway_Cluster   |                 |               | 0                  | 0                   |
| Plato_UI_Config_Clust |                 |               | 0                  | 0                   |
| Plato_Orch_Cluster    |                 |               | 0                  | 0                   |
| Plato_Feed_Cluster    |                 |               | 0                  | 0                   |
| Plato_Batch_Cluster   |                 |               | 0                  | 0                   |
| Plato_Alerts_Managem  |                 |               | 0                  | 0                   |

Help    < Back    Next >    Finish    Cancel

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

Fusion Middleware Configuration Wizard - Page 9 of 17

**Server Templates**

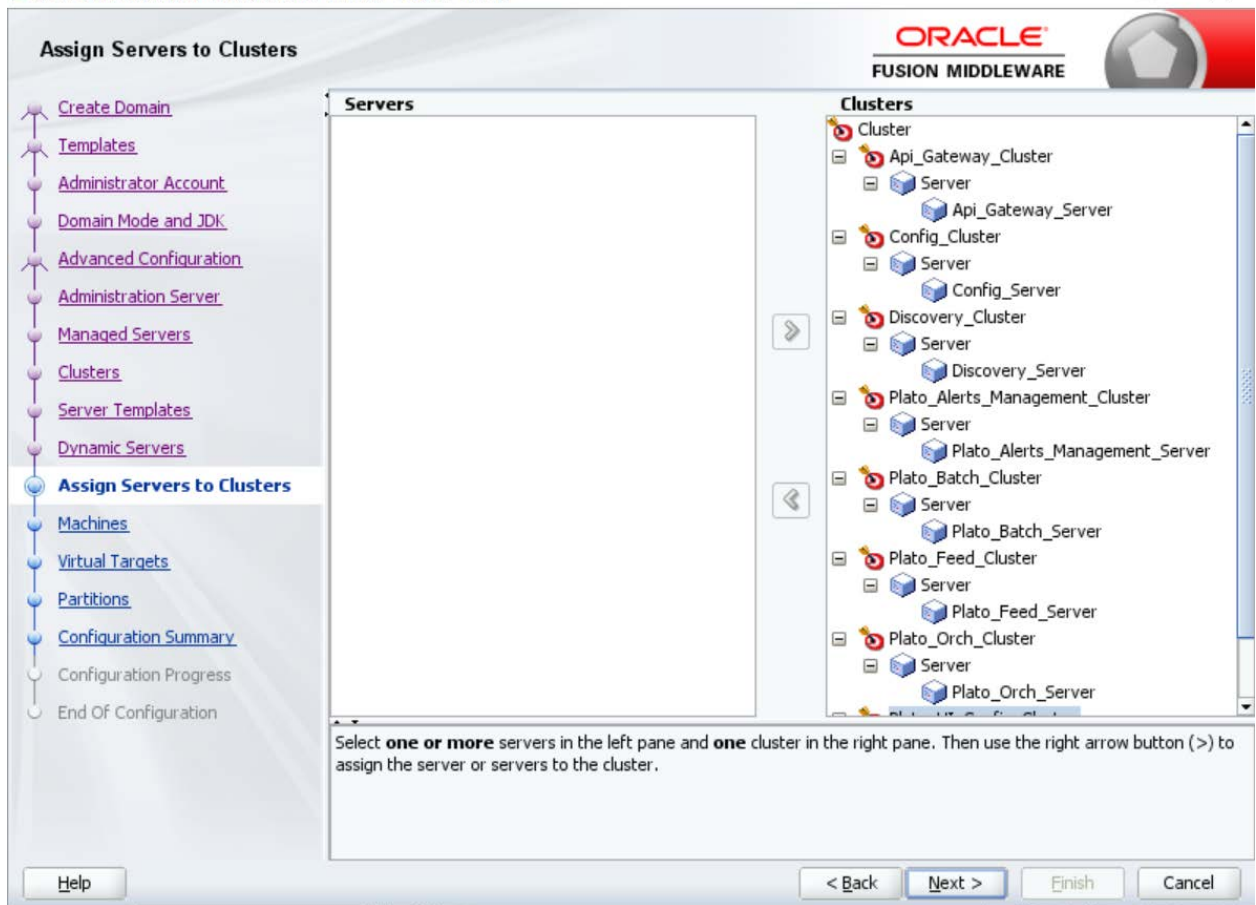
ORACLE  
FUSION MIDDLEWARE

+ Add    X Delete    Discard Changes

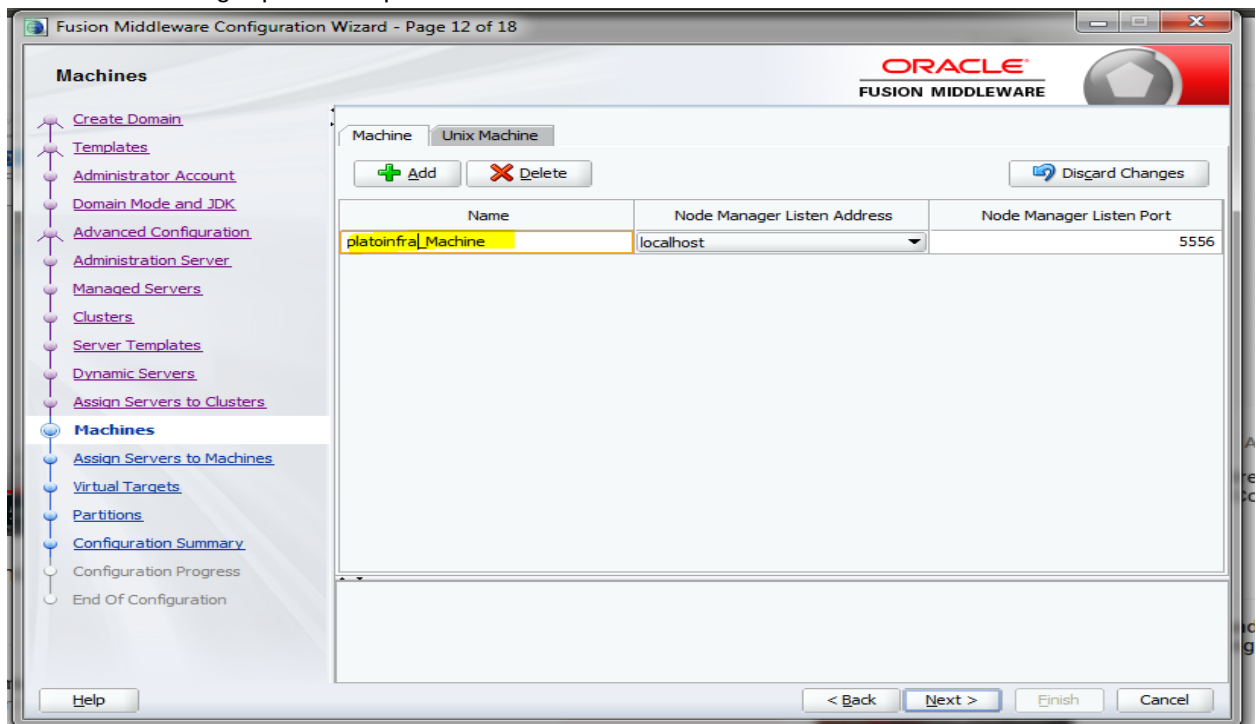
| Name | Listen Port | SSL Listen Port | Enable SSL               |
|------|-------------|-----------------|--------------------------|
|      |             |                 | <input type="checkbox"/> |

Help    < Back    Next >    Finish    Cancel

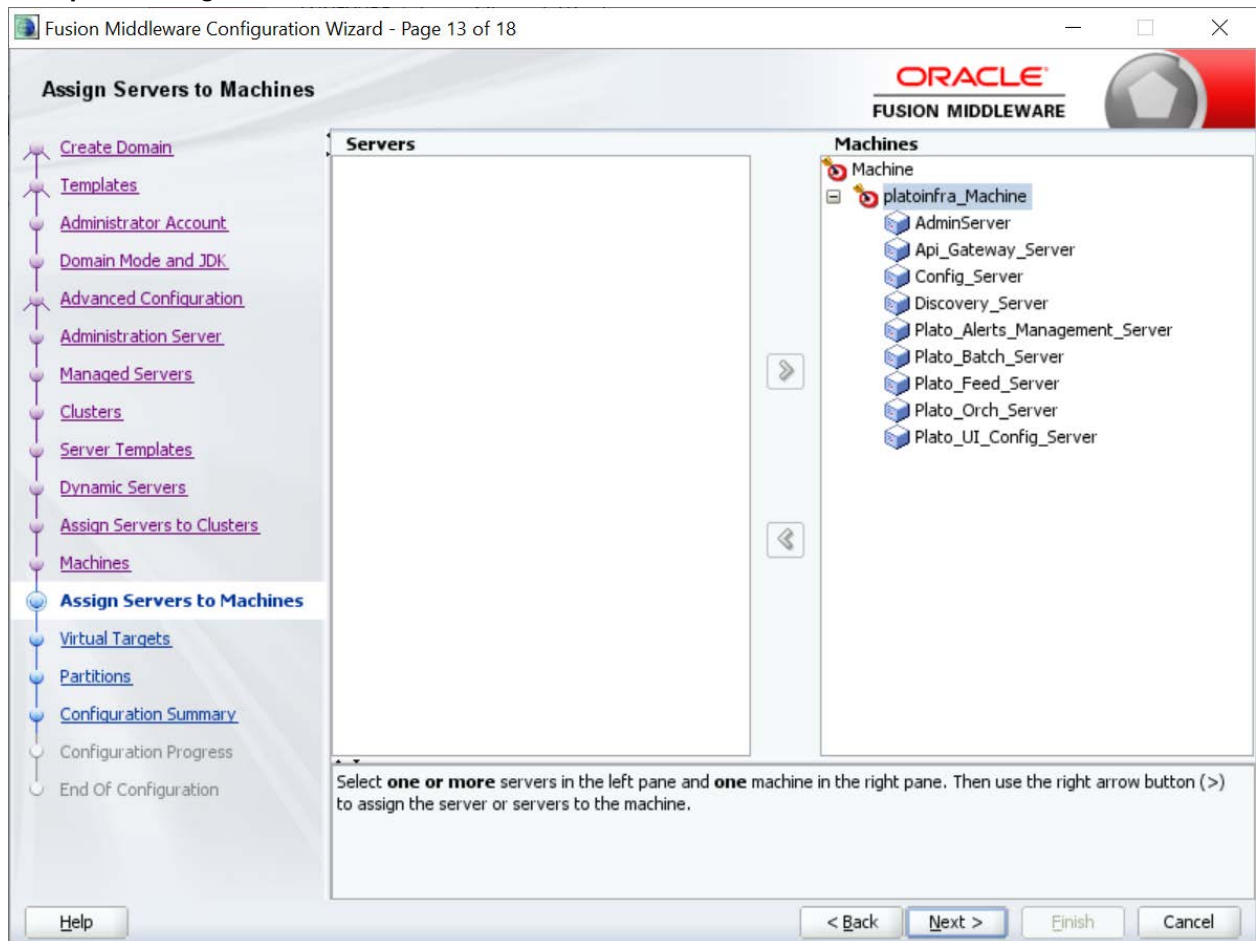
11. Assign **clusters with servers.**



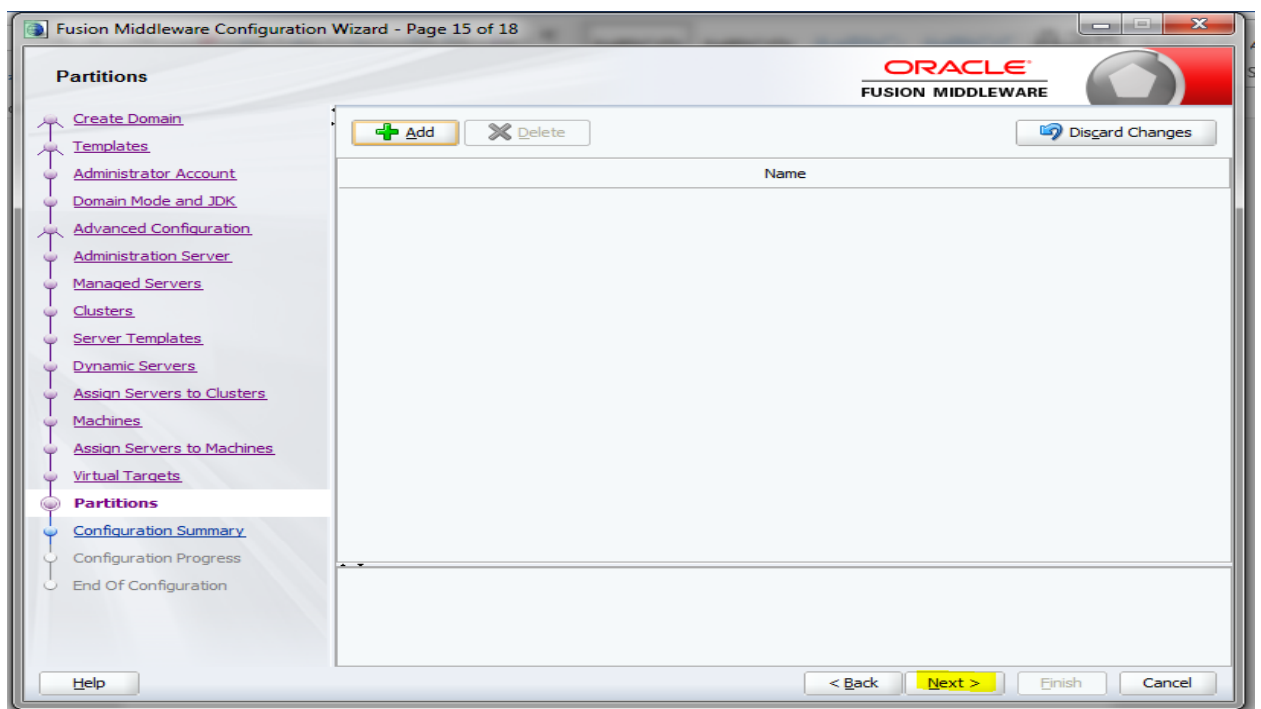
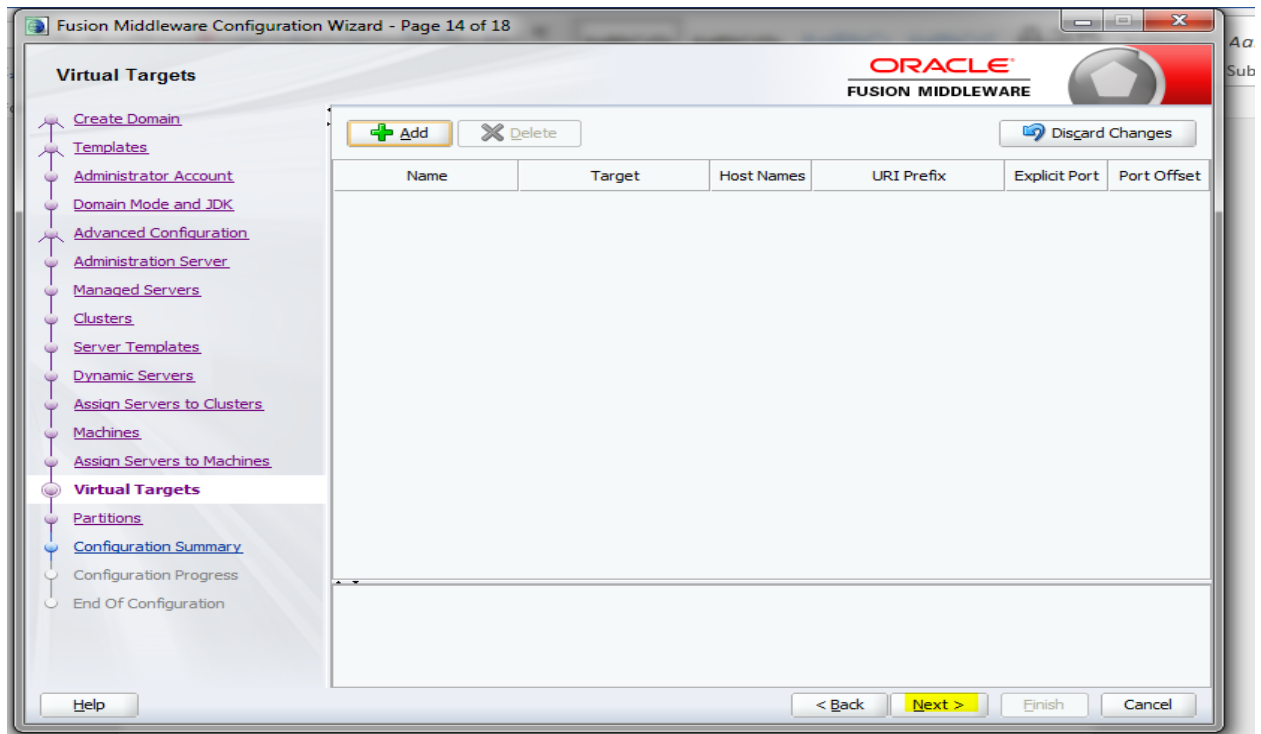
12. Add **Machine/ Unix Machine** based on operating system and configure name, listen address and node manager port as required.



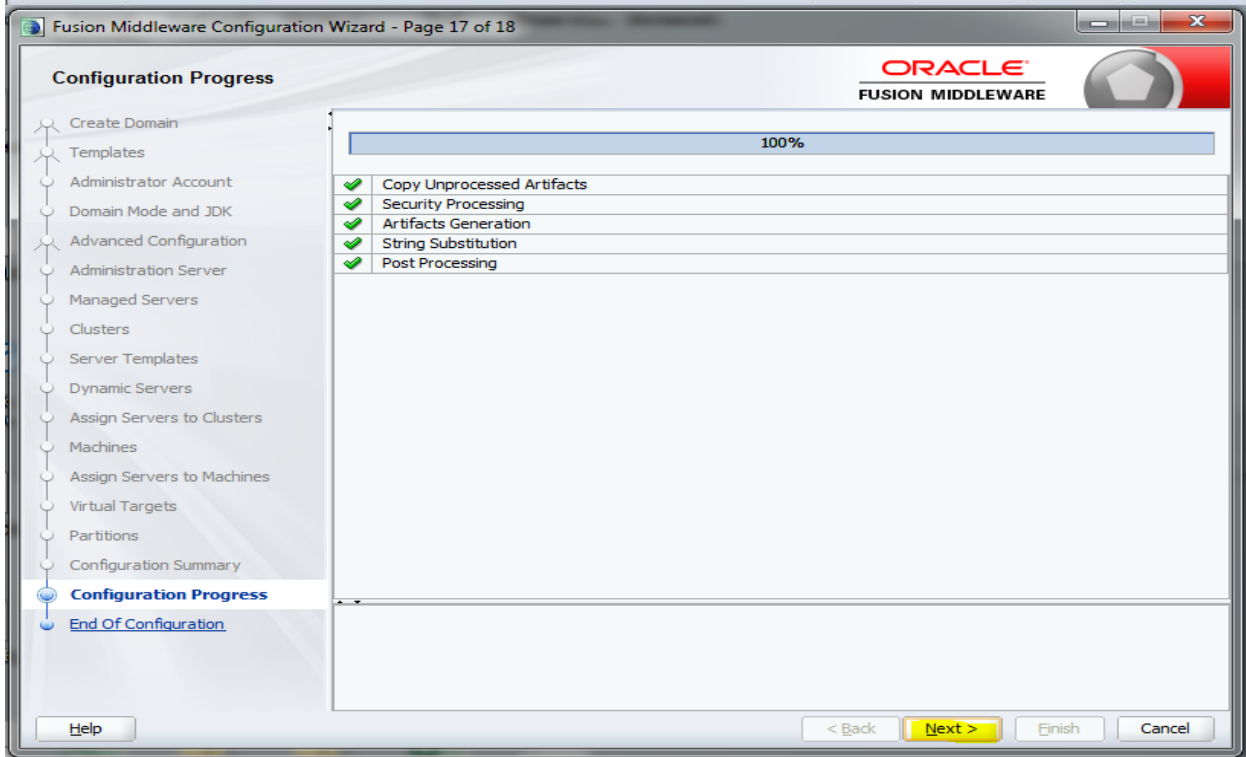
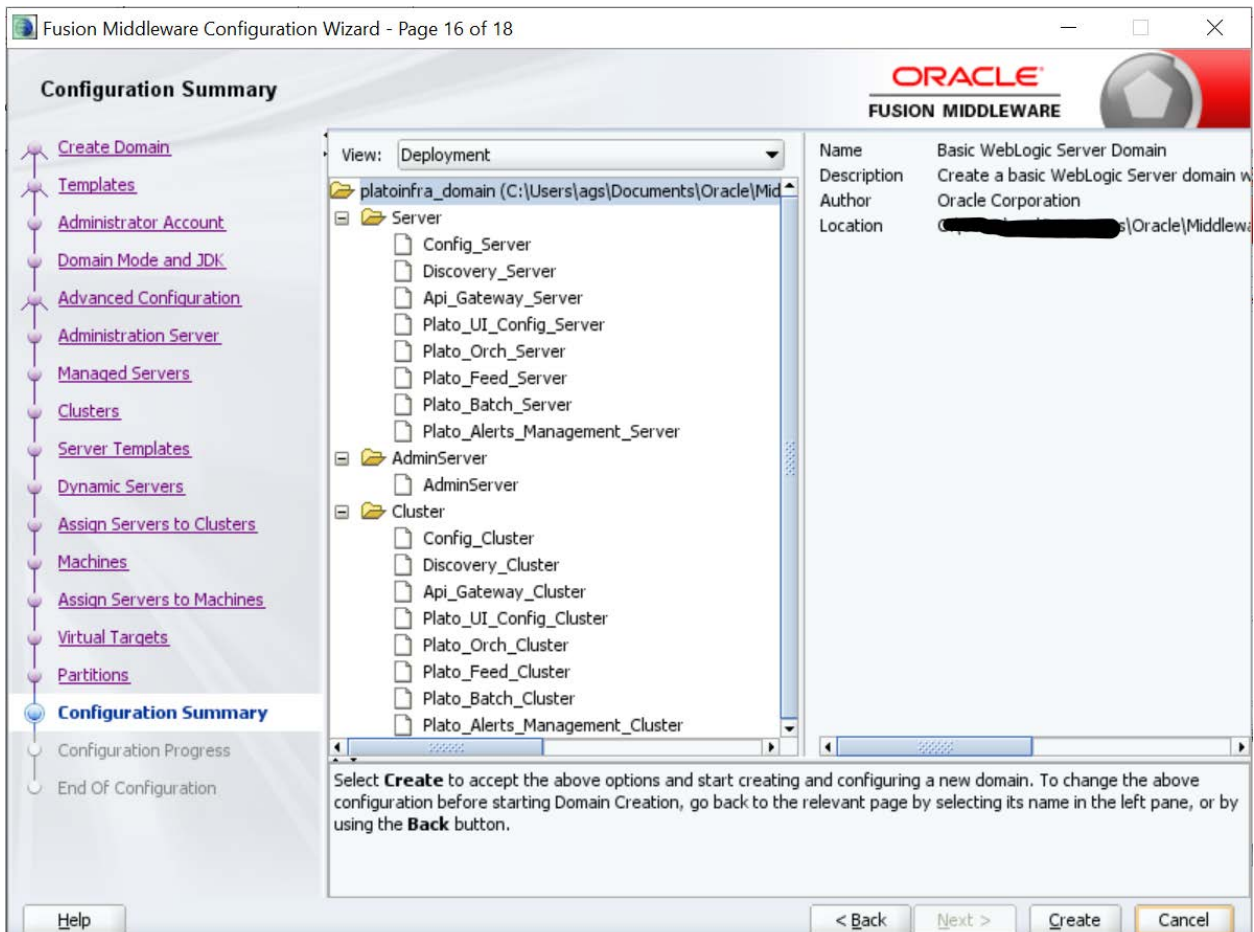
13. Map all managed servers under the machine created.



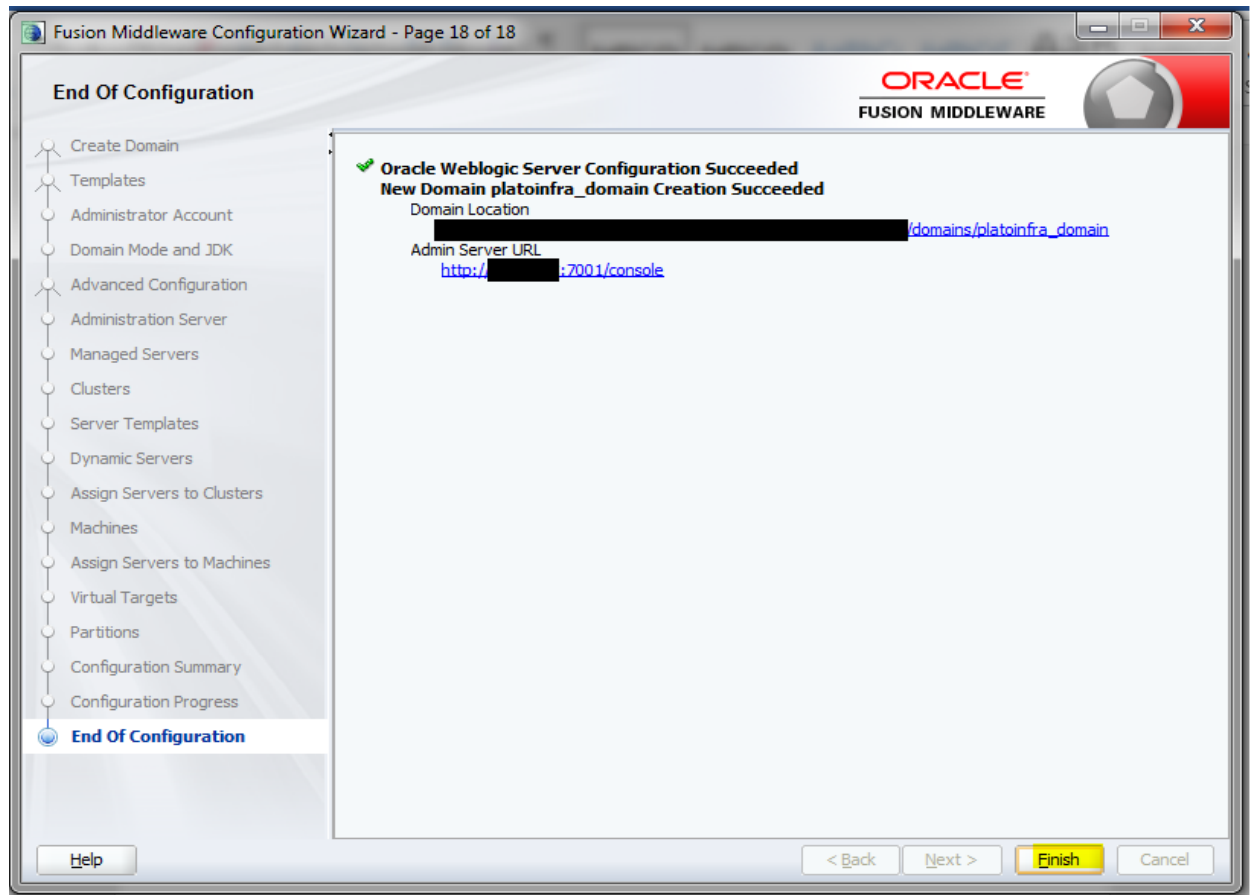
14. Skip virtual targets and partitions or configure as required.



15. Check the configuration summary and confirm creating domain.



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



### 1.3.1 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. Perform all the Environment Setup steps like setting -D parameters, Embedded Weblogic Setup and changes required for OAuth.
3. Run startWeblogic.cmd (or .sh if operating system is linux)
4. Go to /user\_projects/domains/platoinfra\_domain/bin
5. Run setNMJavaHome.cmd (.sh)
6. Go to /user\_projects/domains/platoinfra\_domain/nodemanager
7. 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
8. Go to /user\_projects/domains/platoinfra\_domain/bin
9. Run startNodeManager.cmd (or .sh if operating system is linux )
10. Start all managed servers.
11. Login console and verify servers and clusters

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...**

- Create Managed Servers
- Clone servers
- Delete Managed Servers
- Delete the Administration Server
- Start and stop servers
- View objects in the JNDI tree

**System Status**

Health of Running Servers as of: 6:00 PM

**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 9 of 9 Previous | Next

| <input type="checkbox"/> | Name                           | Type       | Cluster                         | Machine            | State    | Health        | Listen Port |
|--------------------------|--------------------------------|------------|---------------------------------|--------------------|----------|---------------|-------------|
| <input type="checkbox"/> | AdminServer(admin)             | Configured |                                 | platoinfra_Machine | RUNNING  | OK            | 7001        |
| <input type="checkbox"/> | Api_Gateway_Server             | Configured | Api_Gateway_Cluster             | platoinfra_Machine | SHUTDOWN | Not reachable | 7005        |
| <input type="checkbox"/> | Config_Server                  | Configured | Config_Cluster                  | platoinfra_Machine | SHUTDOWN | Not reachable | 7003        |
| <input type="checkbox"/> | Discovery_Server               | Configured | Discovery_Cluster               | platoinfra_Machine | SHUTDOWN | Not reachable | 7004        |
| <input type="checkbox"/> | Plato_Alerts_Management_Server | Configured | Plato_Alerts_Management_Cluster | platoinfra_Machine | SHUTDOWN | Not reachable | 7010        |
| <input type="checkbox"/> | Plato_Batch_Server             | Configured | Plato_Batch_Cluster             | platoinfra_Machine | SHUTDOWN | Not reachable | 7009        |
| <input type="checkbox"/> | Plato_Feed_Server              | Configured | Plato_Feed_Cluster              | platoinfra_Machine | SHUTDOWN | Not reachable | 7008        |
| <input type="checkbox"/> | Plato_Orch_Server              | Configured | Plato_Orch_Cluster              | platoinfra_Machine | SHUTDOWN | Not reachable | 7007        |
| <input type="checkbox"/> | Plato_UI_Config_Server         | Configured | Plato_UI_Config_Cluster         | platoinfra_Machine | SHUTDOWN | Not reachable | 7006        |

[New](#) [Clone](#) [Delete](#)

Showing 1 to 9 of 9 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
    - Virtual Hosts
    - Virtual Targets
    - Work Managers
    - Concurrent Templates
    - Resource Management

**How do I...**

- Configure clusters
- Assign server instances to clusters
- Configure server migration in a cluster
- Configure cross-cluster replication
- Create dynamic clusters

Home > Summary of Deployments > Summary of Servers > Summary of Clusters

**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 8 of 8 Previous | Next

| <input type="checkbox"/> | Name                            | Cluster Address | Cluster Messaging Mode | Migration Basis | Default Load Algorithm | Replication Type | Cluster Broadcast Channel | S |
|--------------------------|---------------------------------|-----------------|------------------------|-----------------|------------------------|------------------|---------------------------|---|
| <input type="checkbox"/> | Api_Gateway_Cluster             |                 | Unicast                | Database        | Round Robin            | (None)           |                           | A |
| <input type="checkbox"/> | Config_Cluster                  |                 | Unicast                | Database        | Round Robin            | (None)           |                           | C |
| <input type="checkbox"/> | Discovery_Cluster               |                 | Unicast                | Database        | Round Robin            | (None)           |                           | D |
| <input type="checkbox"/> | Plato_Alerts_Management_Cluster |                 | Unicast                | Database        | Round Robin            | (None)           |                           | P |
| <input type="checkbox"/> | Plato_Batch_Cluster             |                 | Unicast                | Database        | Round Robin            | (None)           |                           | P |
| <input type="checkbox"/> | Plato_Feed_Cluster              |                 | Unicast                | Database        | Round Robin            | (None)           |                           | P |
| <input type="checkbox"/> | Plato_Orch_Cluster              |                 | Unicast                | Database        | Round Robin            | (None)           |                           | P |
| <input type="checkbox"/> | Plato_UI_Config_Cluster         |                 | Unicast                | Database        | Round Robin            | (None)           |                           | P |

[New](#) [Clone](#) [Delete](#)

Showing 1 to 8 of 8 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
    - Virtual Hosts
    - Virtual Targets
    - Work Managers
    - Concurrent Templates
    - Resource Management

**How do I...**

- Configure clusters
- Assign server instances to clusters
- Configure server migration in a cluster
- Configure cross-cluster replication
- Create dynamic clusters

Home > Summary of Deployments > Summary of Servers > Summary of Clusters > Summary of Machines

**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

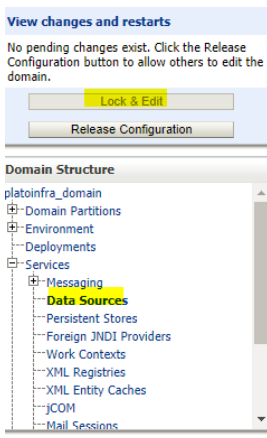
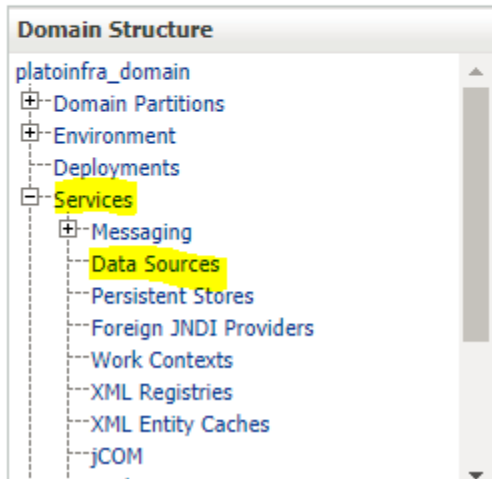
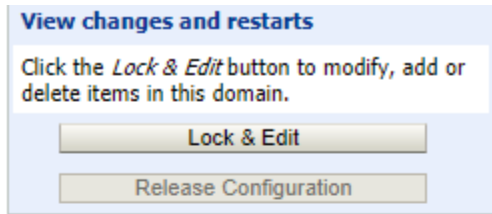
| <input type="checkbox"/> | Name               | Type    |
|--------------------------|--------------------|---------|
| <input type="checkbox"/> | platoinfra_Machine | Machine |

[New](#) [Clone](#) [Delete](#)

Showing 1 to 1 of 1 Previous | Next

## 1.4 How to Create Datasource

1. Steps for creating data source is given below.
2. Start **AdminServer**, **Node Manager** and make sure all the **managed servers** (targets) are in running mode.
3. Go to **Services- > Datasources -> New -> Generic Datasource**.



Home > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources

### Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree to get a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

|                      |        |      |           |         |
|----------------------|--------|------|-----------|---------|
| New                  | Delete |      |           |         |
| Generic Data Source  |        | Type | JNDI Name | Targets |
| GridLink Data Source |        |      |           |         |
| Multi Data Source    |        |      |           |         |
| Proxy Data Source    |        |      |           |         |
| UCP Data Source      |        |      |           |         |

- 4 Give **datasource** name and **jndi** name and click next.

Create a New JDBC Data Source

Back Next Finish Cancel

---

**JDBC Data Source Properties**

The following properties will be used to identify your new JDBC data source.

\* Indicates required fields

---

What would you like to name your new JDBC data source?

 \* **Name:**

---

What scope do you want to create your data source in ?

**Scope:**

---

What JNDI name would you like to assign to your new JDBC Data Source?

 **JNDI Name:**

---

What database type would you like to select?

**Database Type:**

---

Back Next Finish Cancel

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

Create a New JDBC Data Source

Back Next Finish Cancel

---

**JDBC Data Source Properties**

The following properties will be used to identify your new JDBC data source.

---

**Database Type:** Oracle

---

What database driver would you like to use to create database connections? Note: \* indicates that the driver is explicitly supported by Oracle WebLogic Server.

**Database Driver:**

---

Back Next Finish Cancel

## 6 Uncheck support for Global Transactions.

Home > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources

**Create a New JDBC Data Source**

BackNextFinishCancel

**Transaction Options**

You have selected non-XA JDBC driver to create database connection in your new data source.

Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.

☐ **Supports Global Transactions**

Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the *Logging Last Resource* (LLR) transaction option Emulate Two-Phase Commit.

☐ **Logging Last Resource**

Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your appl conditions.

☐ **Emulate Two-Phase Commit**

Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. Wit can participate in the global transaction.

☒ **One-Phase Commit**

BackNextFinishCancel

## 7 Give database connection details and click next to test connection.

Home > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources

**Create a New JDBC Data Source**

BackNextFinishCancel

**Connection Properties**

Define Connection Properties.

What is the name of the database you would like to connect to?

**Database Name:**

What is the name or IP address of the database server?

**Host Name:**

What is the port on the database server used to connect to the database?

**Port:**

What database account user name do you want to use to create database connections?

**Database User Name:**

What is the database account password to use to create database connections?

**Password:**

**Confirm Password:**

Additional Connection Properties:

**oracle.jdbc.DRCPConnectionClass:**

Home > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources

**Messages**

✓ Connection test succeeded.

**Create a New JDBC Data Source**

Test Configuration | Back | Next | Finish | Cancel

**Test Database Connection**

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?  
(Note that this driver class must be in the classpath of any server to which it is deployed.)

**Driver Class Name:**

## 8 Select targets to deploy data source.

**How do I...**

- Create JDBC generic data sources
- Create LLR-enabled JDBC data sources

**System Status**

Health of Running Servers as of 6:15 PM

Failed (0)  
Critical (0)  
Overloaded (0)  
Warning (0)  
OK (1)

**Servers**

☐ AdminServer

**Clusters**

☒ Api\_Gateway\_Cluster  
☐ All servers in the cluster  
☒ Part of the cluster  
☒ Api\_Gateway\_Server

☒ Config\_Cluster  
☐ All servers in the cluster  
☒ Part of the cluster  
☒ Config\_Server

☒ Discovery\_Cluster  
☐ All servers in the cluster  
☒ Part of the cluster  
☒ Discovery\_Server

☒ Plato\_Alerts\_Management\_Cluster  
☐ All servers in the cluster  
☒ Part of the cluster  
☒ Plato\_Alerts\_Management\_Server

☒ Plato\_Batch\_Cluster  
☐ All servers in the cluster  
☒ Part of the cluster  
☒ Plato\_Batch\_Server

☒ Plato\_Feed\_Cluster  
☐ All servers in the cluster  
☒ Part of the cluster  
☒ Plato\_Feed\_Server

## 9 View created datasources and verify jndi name and targets.

**Summary of JDBC Data Sources**

Configuration | Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

[Customize this table](#)

**Data Sources (Filtered - More Columns Exist)**

New Delete Showing 1 to 1 of 1 Previous Next

| <input type="checkbox"/> | Name  | Type    | JNDI Name  | Targets                                                                                                                         |
|--------------------------|-------|---------|------------|---------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | PLATO | Generic | jdbc/PLATO | Api_Gateway_Server, Config_Server, Discovery_Server, Plato_Alerts_Management_Server, Plato_Batch_Server, Plato_Feed_Server, ... |

New Delete Showing 1 to 1 of 1 Previous Next

## 10 Activate changes after confirming details.

The first screenshot shows the 'Change Center' on the left with the 'Activate Changes' button highlighted in yellow. The main area shows the 'Summary of JDBC Data Sources' page with a 'Configuration' tab selected. The page explains that a JDBC data source is an object bound to the JNDI tree and provides database connectivity. It also states that the page summarizes the JDBC data source objects created in the domain.

The second screenshot shows the 'Change Center' on the left with the 'Lock & Edit' button highlighted. The main area shows the 'Summary of JDBC Data Sources' page with a 'Configuration' tab selected. A message at the top states: 'All changes have been activated. No restarts are necessary.' Below this, the 'Data Sources (Filtered - More Columns Exist)' table is shown with one entry: 'PLATO' of type 'Generic' with JNDI Name 'jdbc/PLATO' and Targets 'Api\_Gateway\_Server, Config\_Server, Discovery\_Server, Plato\_Alerts\_Management\_Server, Plato\_Batch\_Server, Plato\_Feed\_Server, ...'.

## 1.5 How to deploy 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

The screenshot shows the 'Home Page' of the Oracle WebLogic console. The 'Domain Structure' on the left has 'Deployments' highlighted in yellow. The main area shows the 'Deployments' page with a 'Deployments' tab selected. The page displays a list of 'Deployments' under the 'Domain' section, including 'Domain', 'Domain Partitions', and 'Partition Work Managers'. The 'Environment' section shows 'Servers'. The 'Resource Group Templates' section shows 'Resource Group Templates'. The 'Resource Groups' section shows 'Resource Groups'. The 'Deployed Resources' section shows 'Deployments' highlighted in yellow. The 'Interoperability' section shows 'WTC Servers' and 'Jolt Connection Pools'. The 'Diagnostics' section shows 'Log Files', 'Diagnostic Modules', 'Built-in Diagnostic Modules', and 'Diagnostic Images'.

### 2 Click on **Lock and Edit** and then click on **Install**.

**View changes and restarts**

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

**Lock & Edit**

**Release Configuration**

**Domain Structure**

- platoinfra\_domain
  - Domain Partitions
  - Environment
  - Deployments**
  - Services
  - Security Realms
  - Interoperability
  - Diagnostics

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 update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then clicking the Update or Delete button.

To install a new application or module for deployment to targets in this domain, click **Install**.

**Customize this table**

**Deployments**

**Install** Update Delete

| <input type="checkbox"/>      | Name ↕ | State | Health | Type | Targets | Scope | Domain Partitions |
|-------------------------------|--------|-------|--------|------|---------|-------|-------------------|
| There are no items to display |        |       |        |      |         |       |                   |

**Install** Update Delete

**View changes and restarts**

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

**Lock & Edit**

**Release Configuration**

**Domain Structure**

- platoinfra\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
  - Security Realms

Home > Summary of Deployments

**Install Application Assistant**

**Back** **Next** **Finish** **Cancel**

**Locate deployment to install and prepare for deployment**

Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path directory or file in the Path field.

**Note:** Only valid file paths are displayed below. If you cannot find your deployment files, **Upload your file(s)** and/or confirm that your application contains the required deployment descriptor

**Path:** D:\

**Recently Used Paths:** (none)

**Current Location:** localhost \ D:

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

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

**Lock & Edit**

**Release Configuration**

**Domain Structure**

- platoinfra\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
  - Security Realms
  - Interoperability
  - Diagnostics

**Install Application Assistant**

**Back** **Next** **Finish** **Cancel**

**Upload a deployment to the Administration Server**

Click the Browse button below to select an application or module on the machine from which you are currently browsing. When you have located the application or module, click the **Choose File** button.

**Deployment Archive:** **Choose File** No file chosen

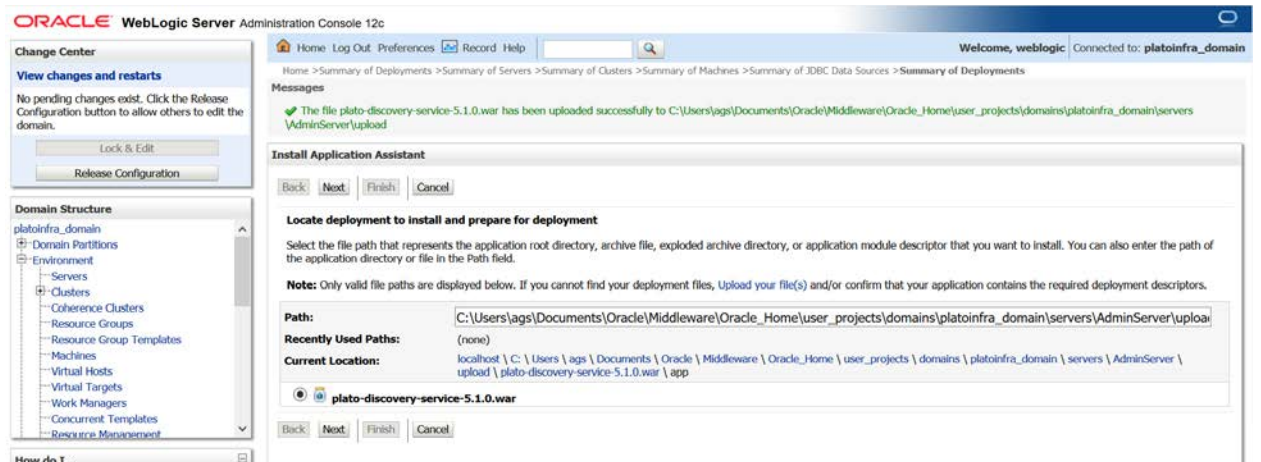
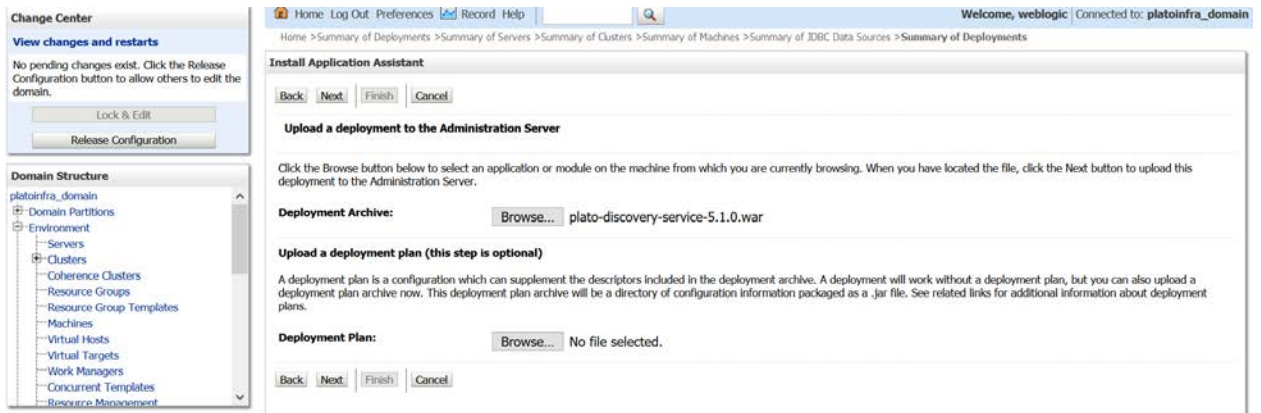
**Upload a deployment plan (this step is optional)**

A deployment plan is a configuration which can supplement the descriptors included in the deployment archive. A deployment will work without a deployment plan. This deployment plan archive will be a directory of configuration information packaged as a .jar file. See related links for additional information.

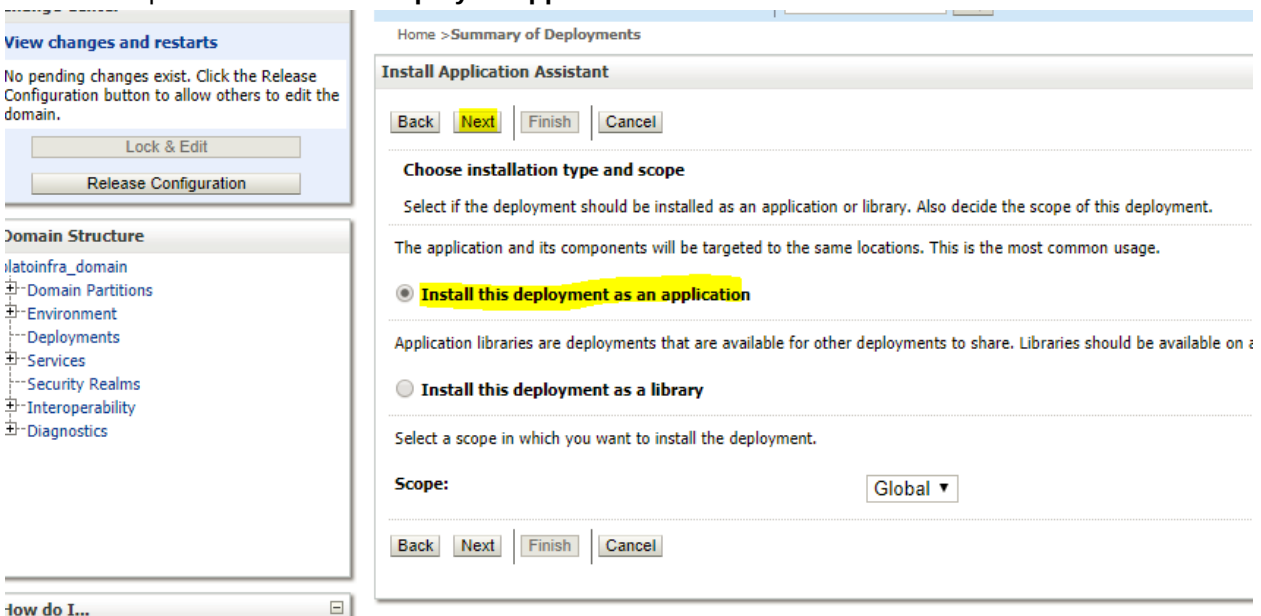
**Deployment Plan Archive:** **Choose File** No file chosen

**Back** **Next** **Finish** **Cancel**

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.

**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 a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

**System Status**

Health of Running Servers as of 6:34 PM

Failed (0)

Available targets for plato-discovery-service-5.1.0 :

**Servers**

☐ AdminServer

**Clusters**

☐ Api\_Gateway\_Cluster

☐ All servers in the cluster

☐ Part of the cluster

☐ Api\_Gateway\_Server

☐ Config\_Cluster

☐ All servers in the cluster

☐ Part of the cluster

☐ Config\_Server

☒ Discovery\_Cluster

☐ All servers in the cluster

☒ Part of the cluster

☒ Discovery\_Server

☐ Plato\_Alerts\_Management\_Cluster

☐ All servers in the cluster

☐ Part of the cluster

☐ Plato\_Alerts\_Management\_Server

**Change Center**

**View changes and restarts**

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

**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 a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Clusters > Summary of Machines > Summary of JDBC Data Sources > Summary of Deployments

**Install Application Assistant**

**Optional Settings**

You can modify these settings or accept the defaults.

\* Indicates required fields

**General**

What do you want to name this deployment?

\* Name: plato-discovery-service-5.1.0

**Security**

What security model do you want to use with this application?

☒ **DD Only:** Use only roles and policies that are defined in the deployment descriptors.

☐ **Custom Roles:** Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

☐ **Custom Roles and Policies:** Use only roles and policies that are defined in the Administration Console.

☐ **Advanced:** Use a custom model that you have configured on the realm's configuration page.

**Source Accessibility**

How should the source files be made accessible?

☒ **Use the defaults defined by the deployment's targets**

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

**Change Center**

**View changes and restarts**

Pending changes exist. They must be activated to take effect.

**Domain Structure**

- Environment
  - Servers
  - Clusters
    - Coherence Clusters
    - Resource Groups
    - Resource Group Templates
    - Machines
    - Virtual Hosts
    - Virtual Targets
    - Work Managers
    - Concurrent Templates
    - Resource Management
    - Startup and Shutdown Classes
- Deployments

**How do I...**

- Install an enterprise application
- Configure an enterprise application
- Update (redeploy) an enterprise application

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Clusters > Summary of Machines > Summary of Deployments

**Messages**

☒ The deployment has been successfully installed.

☒ You must also activate the pending changes to commit this, and other updates, to the active system.

**Summary of Deployments**

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**

Showing 1 to 1 of 1 Previous Next

| <input type="checkbox"/> | Name                          | State                      | Health | Type               | Targets          | Scope  | Domain Partitions | Deployment Order |
|--------------------------|-------------------------------|----------------------------|--------|--------------------|------------------|--------|-------------------|------------------|
| <input type="checkbox"/> | plato-discovery-service-5.1.0 | distribute<br>Initializing |        | Web<br>Application | Discovery_Server | Global |                   | 100              |

Showing 1 to 1 of 1 Previous Next

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Clusters > Summary of Machines > Summary of JDBC Data Sources > Summary of Deployments

**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**  
Environment  
Servers  
Clusters  
Coherence Clusters  
Resource Groups  
Resource Group Templates  
Machines  
Virtual Hosts  
Virtual Targets  
Work Managers  
Concurrent Templates  
Resource Management  
Startup and Shutdown Classes  
Deployments

**How do I...**  
• Install an enterprise application  
• Configure an enterprise application

**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

| <input type="checkbox"/> | Name                          | State | Health | Type            | Targets          | Scope  | Domain Partitions | Deployment Order |
|--------------------------|-------------------------------|-------|--------|-----------------|------------------|--------|-------------------|------------------|
| <input type="checkbox"/> | plato-discovery-service-5.1.0 | New   |        | Web Application | Discovery_Server | Global |                   | 100              |

Install Update Delete Showing 1 to 1 of 1 Previous Next

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

**Change Center**  
View changes and restarts  
No pending changes exist. Click the Release Configuration button to allow others to edit the 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

**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

| <input type="checkbox"/> | Name                          | State    | Health | Type            | Targets          | Scope  | Domain Partitions |
|--------------------------|-------------------------------|----------|--------|-----------------|------------------|--------|-------------------|
| <input type="checkbox"/> | plato-discovery-service-5.1.0 | Prepared | OK     | Web Application | Discovery_Server | Global |                   |

Start Stop Showing 1 to 1 of 1 Previous Next

9 Under deployment clink on **Start dropdown** and Click **Start all requests**.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Clusters > Summary of Machines > Summary of JDBC Data Sources > Summary of Deployments > Summary of Servers > Summary of Deployments

**Change Center**  
View changes and restarts  
No pending changes exist. Click the Release Configuration button to allow others to edit the 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

**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.

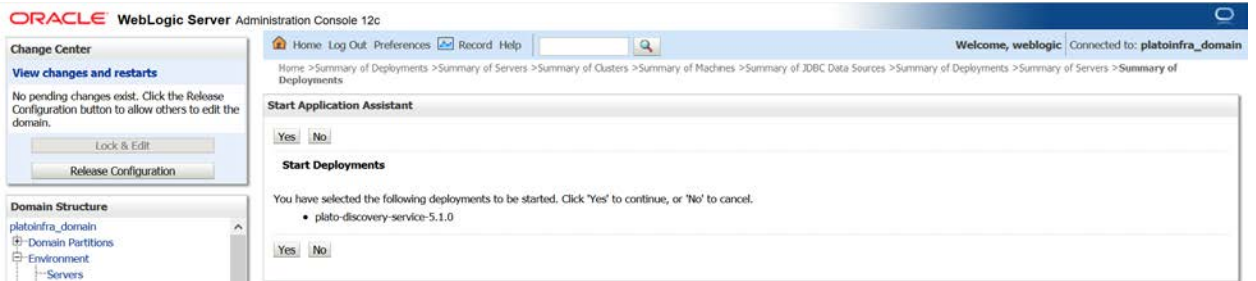
**Customize this table**

**Deployments**  
Start Stop Showing 1 to 1 of 1 Previous Next

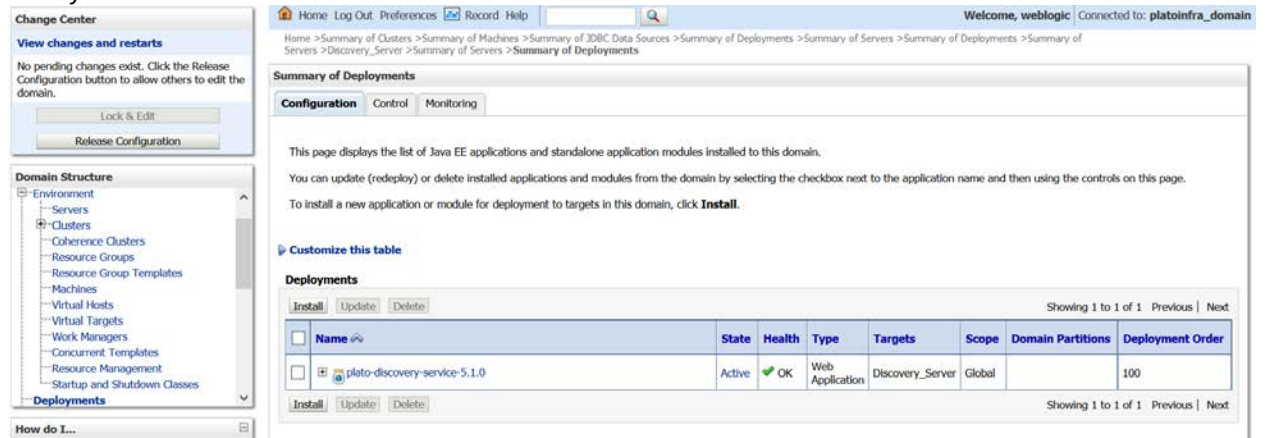
| <input type="checkbox"/> | Name                          | State    | Health | Type            | Targets          | Scope  | Domain Partitions |
|--------------------------|-------------------------------|----------|--------|-----------------|------------------|--------|-------------------|
| <input type="checkbox"/> | plato-discovery-service-5.1.0 | Prepared | OK     | Web Application | Discovery_Server | Global |                   |

Start Stop Showing 1 to 1 of 1 Previous Next

10 Click on **Yes**.

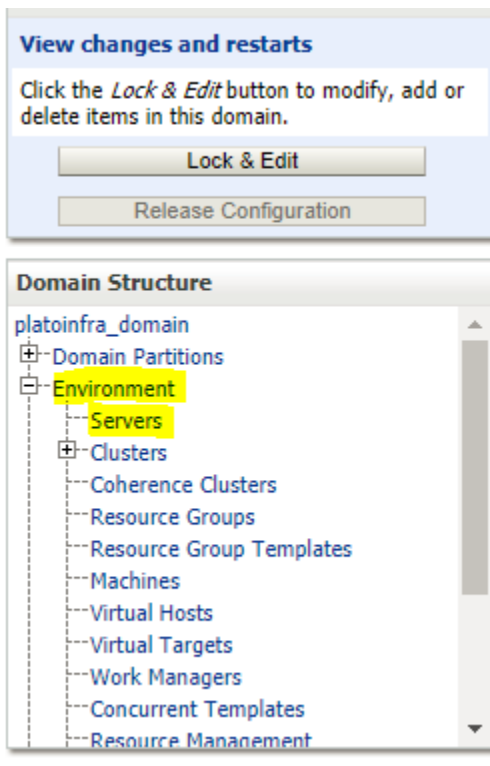


12. Now you should see status as **Active** in the state column.



## 1.6 How to Restart Servers

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



## 2. Click on **Control** tab.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' and 'Domain Structure' panels. The main area displays the 'Summary of Servers' page with the 'Control' tab selected. A table lists the servers and their states.

| Server                                                  | Machine            | State    | Status of Last Action |
|---------------------------------------------------------|--------------------|----------|-----------------------|
| <input type="checkbox"/> AdminServer(admin)             | platoinfra_Machine | RUNNING  | None                  |
| <input type="checkbox"/> Api_Gateway_Server             | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Config_Server                  | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Discovery_Server               | platoinfra_Machine | RUNNING  | None                  |
| <input type="checkbox"/> Plato_Alerts_Management_Server | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Plato_Batch_Server             | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Plato_Feed_Server              | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Plato_Orch_Server              | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Plato_UI_Config_Server         | platoinfra_Machine | SHUTDOWN | None                  |

## 3. select servers to **shutdown**

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' and 'Domain Structure' panels. The main area displays the 'Summary of Servers' page with the 'Control' tab selected. The 'Discovery\_Server' is selected, and the 'Shutdown' button is highlighted.

| Server                                               | Machine            | State    | Status of Last Action |
|------------------------------------------------------|--------------------|----------|-----------------------|
| <input type="checkbox"/> AdminServer(admin)          | platoinfra_Machine | RUNNING  | None                  |
| <input type="checkbox"/> Api_Gateway_Server          | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Config_Server               | platoinfra_Machine | SHUTDOWN | None                  |
| <input checked="" type="checkbox"/> Discovery_Server | platoinfra_Machine | RUNNING  | None                  |

## 4. Click **yes** to confirm shutdown.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' and 'Domain Structure' panels. The main area displays the 'Server Life Cycle Assistant' dialog box, which prompts the user to confirm the shutdown of the selected 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.

- Discovery\_Server

Yes No

## 5. You should see status as shown below

Change Center

View changes and restarts

No pending changes exist. Click the Release Configuration button to allow others to edit the 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

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Machines > Summary of JDBC Data Sources > Summary of Deployments > Summary of Servers > Summary of Deployments > Summary of Servers > Discovery\_Server > Summary of Servers > Summary of Deployments > Summary of Servers

Messages

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 9 of 9 Previous Next

| Server                                      | Machine            | State               | Status of Last Action |
|---------------------------------------------|--------------------|---------------------|-----------------------|
| <input type="checkbox"/> AdminServer(admin) | platoinfra_Machine | RUNNING             | None                  |
| <input type="checkbox"/> Api_Gateway_Server | platoinfra_Machine | SHUTDOWN            | None                  |
| <input type="checkbox"/> Config_Server      | platoinfra_Machine | SHUTDOWN            | None                  |
| <input type="checkbox"/> Discovery_Server   | platoinfra_Machine | FORCE_SHUTTING_DOWN | TASK IN PROGRESS      |

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

Change Center

View changes and restarts

No pending changes exist. Click the Release Configuration button to allow others to edit the 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...

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Deployments > Summary of Servers > Discovery\_Server > Summary of Servers > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources > 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

Showing 1 to 9 of 9 Previous Next

| Server                                               | Machine            | State    | Status of Last Action |
|------------------------------------------------------|--------------------|----------|-----------------------|
| <input type="checkbox"/> AdminServer(admin)          | platoinfra_Machine | RUNNING  | None                  |
| <input type="checkbox"/> Api_Gateway_Server          | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Config_Server               | platoinfra_Machine | SHUTDOWN | None                  |
| <input checked="" type="checkbox"/> Discovery_Server | platoinfra_Machine | SHUTDOWN | TASK COMPLETED        |

Change Center

View changes and restarts

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

Lock & Edit

Release Configuration

Domain Structure

platoinfra\_domain

Domain Partitions

Environment

Servers

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Deployments > Summary of Servers > Discovery\_Server > Summary of Servers > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources > Summary of Servers

Server Life Cycle Assistant

Yes No

Start Servers

You have selected the following servers to be started. Press 'Yes' to continue or 'No' to cancel.

Discovery\_Server

Yes No

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Deployments > Summary of Servers > Discovery\_Server > Summary of Servers > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources > Summary of Servers

**Change Center**  
View changes and restarts  
No pending changes exist. Click the Release Configuration button to allow others to edit the 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

**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 9 of 9 Previous Next

| Server                                      | Machine            | State    | Status of Last Action |
|---------------------------------------------|--------------------|----------|-----------------------|
| <input type="checkbox"/> AdminServer(admin) | platoinfra_Machine | RUNNING  | None                  |
| <input type="checkbox"/> Api_Gateway_Server | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Config_Server      | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Discovery_Server   | platoinfra_Machine | SHUTDOWN | TASK IN PROGRESS      |

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

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Deployments > Summary of Servers > Summary of Deployments > Summary of Servers > Discovery\_Server > Summary of Servers > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources > Summary of Servers

**Change Center**  
View changes and restarts  
No pending changes exist. Click the Release Configuration button to allow others to edit the 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...**

**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 9 of 9 Previous Next

| Server                                      | Machine            | State    | Status of Last Action |
|---------------------------------------------|--------------------|----------|-----------------------|
| <input type="checkbox"/> AdminServer(admin) | platoinfra_Machine | RUNNING  | None                  |
| <input type="checkbox"/> Api_Gateway_Server | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Config_Server      | platoinfra_Machine | SHUTDOWN | None                  |
| <input type="checkbox"/> Discovery_Server   | platoinfra_Machine | RUNNING  | TASK COMPLETED        |

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: platoinfra\_domain

Home > Summary of Servers > Summary of Deployments > Summary of Servers > Discovery\_Server > Summary of Servers > Summary of Deployments > Summary of Servers > Summary of JDBC Data Sources > Summary of Servers

**Change Center**  
View changes and restarts  
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.  
Lock & Edit  
Release Configuration

**Domain Structure**  
Environment  
Clusters  
Coherence Clusters  
Resource Groups  
Resource Group Templates  
Machines  
Virtual Hosts  
Virtual Targets  
Work Managers  
Concurrent Templates  
Resource Management  
Startup and Shutdown Classes  
Deployments

**How do I...**

**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 |
|--------------------------------------------------------|--------|--------|-----------------|------------------|--------|-------------------|------------------|
| <input type="checkbox"/> plato-discovery-service-5.1.0 | Active | OK     | Web Application | Discovery_Server | Global |                   | 100              |

Install Update Delete  
Showing 1 to 1 of 1 Previous Next

## 1.7 How to check port No

Please follow below steps to check port no's:-

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.

| <input type="checkbox"/> | Name ↕             | Type       | Cluster | Machine  | State   | Health | Listen Port |
|--------------------------|--------------------|------------|---------|----------|---------|--------|-------------|
| <input type="checkbox"/> | AdminServer(admin) | Configured |         |          | RUNNING | ✓ OK   | 7020        |
| <input type="checkbox"/> | managed_server1    | Configured |         | Machine1 | RUNNING | ✓ OK   | 7023        |

## 1.8 Weblogic Embedded LDAP Setup

The following changes are to be made for for configuring the Weblogic-Embedded LDAP server for PLATO.

### 1.8.1 Steps to configure weblogic LDAP :

- 1) Open the admin console for the weblogic . Click on domain name in left panel.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: ldap\_domain

**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**  
ldap\_domain  
Domain Partitions  
Environment  
Deployments  
Services  
Security Realms  
Interoperability  
Diagnostics

**How do I...**  
Search the configuration  
Use the Change Center  
Record WLST scripts  
Change Console preferences  
Manage Console extensions  
Monitor servers

**Home Page**  
Information and Resources  
Helpful Tools  
General Information  
Domain Configurations  
Domain  
Domain Partitions  
Environment  
Resource Group Templates  
Resource Groups  
Deployed Resources  
Services  
Interoperability  
Diagnostics

2) Under Settings for ldap\_domain, click on “Security” tab and then on “Embedded LDAP” tab.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: ldap\_domain

**Settings for ldap\_domain**  
Configuration Monitoring Control **Security** Web Service Security ZDT Control Notes  
General Filter Unlock User **Embedded LDAP** Roles Policies SSL Certificate Revocation Checking JASPSIC  
Save

This page allows you to configure the embedded LDAP server for this WebLogic Server domain.

**Credential:** [Redacted] The credential (usually a password) used to connect to the embedded LDAP server. [More Info...](#)

**Confirm Credential:** [Redacted]

**Backup Hour:** 23 The hour at which the embedded LDAP server should be backed up. [More Info...](#)

**Backup Minute:** 5 The minute at which the embedded LDAP server should be backed up. [More Info...](#)

**Backup Copies:** 7 The maximum number of backup copies that should be made for the embedded LDAP server. [More Info...](#)

☒ **Cache Enabled** Specifies whether a cache is used with the embedded LDAP server. [More Info...](#)

**Cache Size:** 32 The size of the cache (in kilobytes) that is used with the embedded LDAP server. [More Info...](#)

- 3) Here you can set the credentials for Weblogic Embedded LDAP store. This is will be needed in the “Security Config” table.

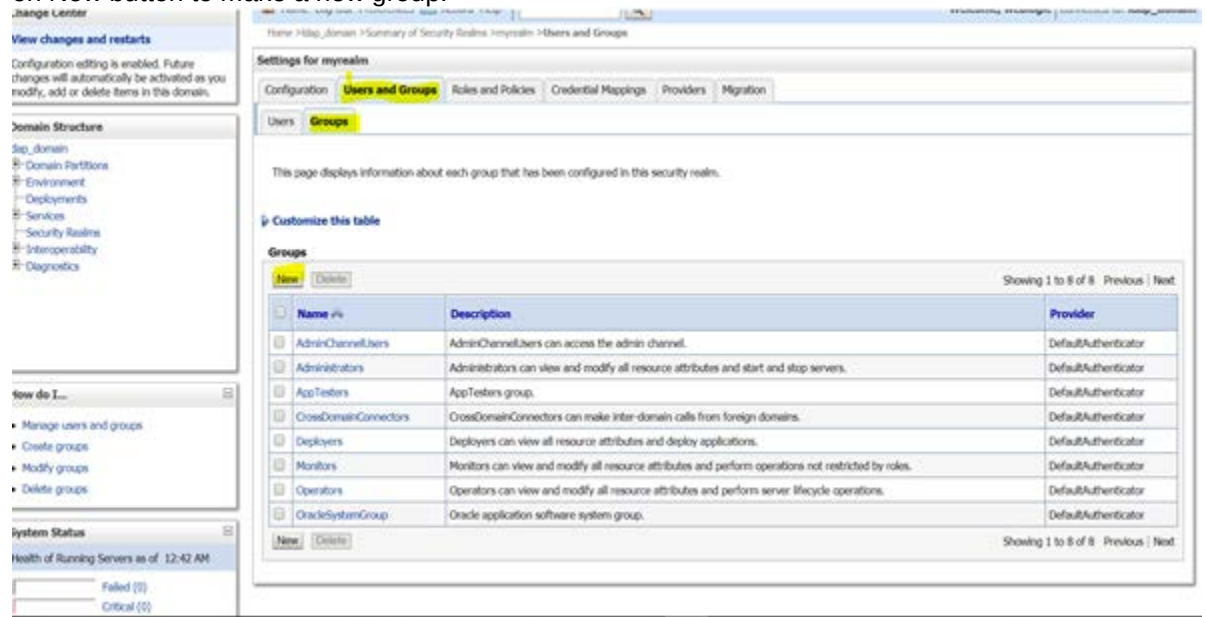
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' and 'Domain Structure' panels. The 'Domain Structure' panel shows a tree view with 'Map\_domain' selected. The main content area is titled 'Settings for Map\_domain' and has tabs for 'Configuration', 'Monitoring', 'Control', 'Security', 'Web Service Security', 'ZOT Control', and 'Notes'. The 'Security' tab is active, and the 'Embedded LDAP' sub-tab is selected. The page contains several configuration fields: 'Credential' (password field), 'Confirm Credential' (password field), 'Backup Hour' (23), 'Backup Minute' (5), 'Backup Copies' (7), 'Cache Enabled' (checked), and 'Cache Size' (32). Each field has a 'More Info...' link next to it.

## 1.8.2 Creating Users

- 1) In the side panel, click on “Security Realms” and in the subsequent “Summary of Security Realms” window click on “myrealm”.

The screenshot shows the 'Summary of Security Realms' page in the Oracle WebLogic Server Administration Console. The left sidebar is the same as the previous screenshot, but the 'Security Realms' sub-tab is selected in the 'Domain Structure' panel. The main content area is titled 'Summary of Security Realms' and contains a description of security realms. Below the description is a table titled 'Realms (Filtered - More Columns Exist)'. The table has two columns: 'Name' and 'Default Realm'. The table lists two realms: 'Name' and 'myrealm'. The 'myrealm' row is highlighted. The table also shows 'Showing 1 to 1 of 1' and 'Previous | Next' links.

- 2) Under “Settings for myrealm”, click on “Users and Groups” and then on “Groups” tab. Click on New button to make a new group.



- 3) Add the relevant details and click on OK. The new group will be created.

Create a New Group

OK Cancel

**Group Properties**

The following properties will be used to identify your new Group.

\* Indicates required fields

What would you like to name your new Group?

\* Name:

How would you like to describe the new Group?

Description:

Please choose a provider for the group.

Provider:

OK Cancel

- 4) Now to create user click on “Users” tab and click on New button.

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

dap\_domain

Domain Partitions

Environment

Deployments

Services

Security Realms

Interoperability

Diagnostics

How do I...

- Manage users and groups
- Create users
- Modify users
- Delete users

System Status

Health of Running Servers as of 12:48 AM

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: ldap\_domain

Home > ldap\_domain > Summary of Security Realms > myrealm > Users and Groups > TestGroup > Summary of Security Realms > myrealm > Users and Groups

Settings for myrealm

Configuration Users and Groups Roles and Policies Credential Mappings Providers Migration

Users Groups

This page displays information about each user that has been configured in this security realm.

Customize this table

Users (Filtered - More Columns Exist)

New Delete

Showing 1 to 3 of 3 Previous Next

| <input type="checkbox"/> | Name             | Description                                                                                      | Provider             |
|--------------------------|------------------|--------------------------------------------------------------------------------------------------|----------------------|
| <input type="checkbox"/> | LCMUser          | This is the default service account for WebLogic Server Lifecycle Manager configuration updates. | DefaultAuthenticator |
| <input type="checkbox"/> | OracleSystemUser | Oracle application software system user.                                                         | DefaultAuthenticator |
| <input type="checkbox"/> | weblogic         | This user is the default administrator.                                                          | DefaultAuthenticator |

New Delete

Showing 1 to 3 of 3 Previous Next

- 5) Enter the required details for the user. After completing click on OK. The user will be created.

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

ldap\_domain

Domain Partitions

Environment

Deployments

Services

Security Realms

Interoperability

Diagnostics

How do I...

- Create users
- Modify users
- Delete users
- Create groups
- Manage users and groups

System Status

Health of Running Servers as of 12:48 AM

Failed (0)

Create a New User

OK Cancel

User Properties

The following properties will be used to identify your new User.

\* Indicates required fields

What would you like to name your new User?

\* Name: testuser

How would you like to describe the new User?

Description: user for testing

Please choose a provider for the user.

Provider: DefaultAuthenticator

The password is associated with the login name for the new User.

\* Password:

\* Confirm Password:

OK Cancel

- 6) Now to assign the newly created user to some group, click on the newly created user.

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, there's a 'Change Center' sidebar with 'View changes and restarts' and a 'Domain Structure' tree. The main area is titled 'Settings for myrealm' with tabs for 'Configuration', 'Users and Groups', 'Roles and Policies', 'Credential Mappings', 'Providers', and 'Migration'. The 'Users and Groups' tab is active, showing a list of users. A message at the top says 'User created successfully'. The user list has columns for 'Name', 'Description', and 'Provider'. The 'testuser' is highlighted in yellow.

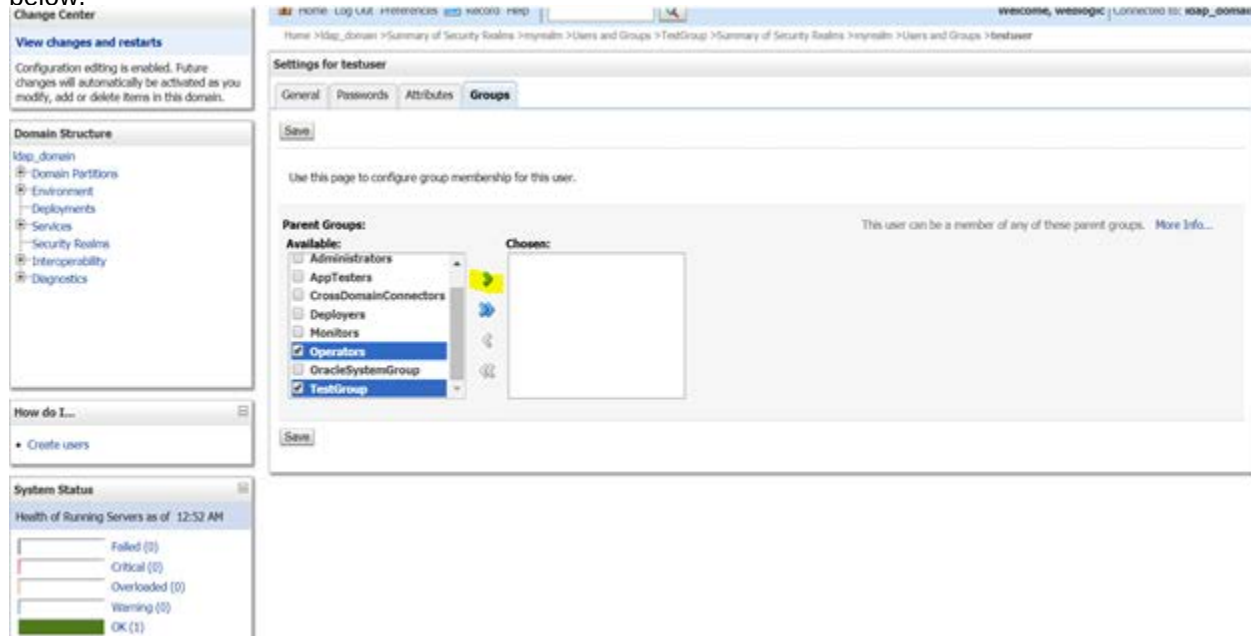
| Name             | Description                                                                                      | Provider             |
|------------------|--------------------------------------------------------------------------------------------------|----------------------|
| LDHUser          | This is the default service account for WebLogic Server Lifecycle Manager configuration updates. | DefaultAuthenticator |
| OracleSystemUser | Oracle application software system user.                                                         | DefaultAuthenticator |
| testuser         | user for testing                                                                                 | DefaultAuthenticator |
| weblogic         | This user is the default administrator.                                                          | DefaultAuthenticator |

- 7) Now under "Setting for testuser"(or whatever your user's name is) window, click on "Groups" tab.

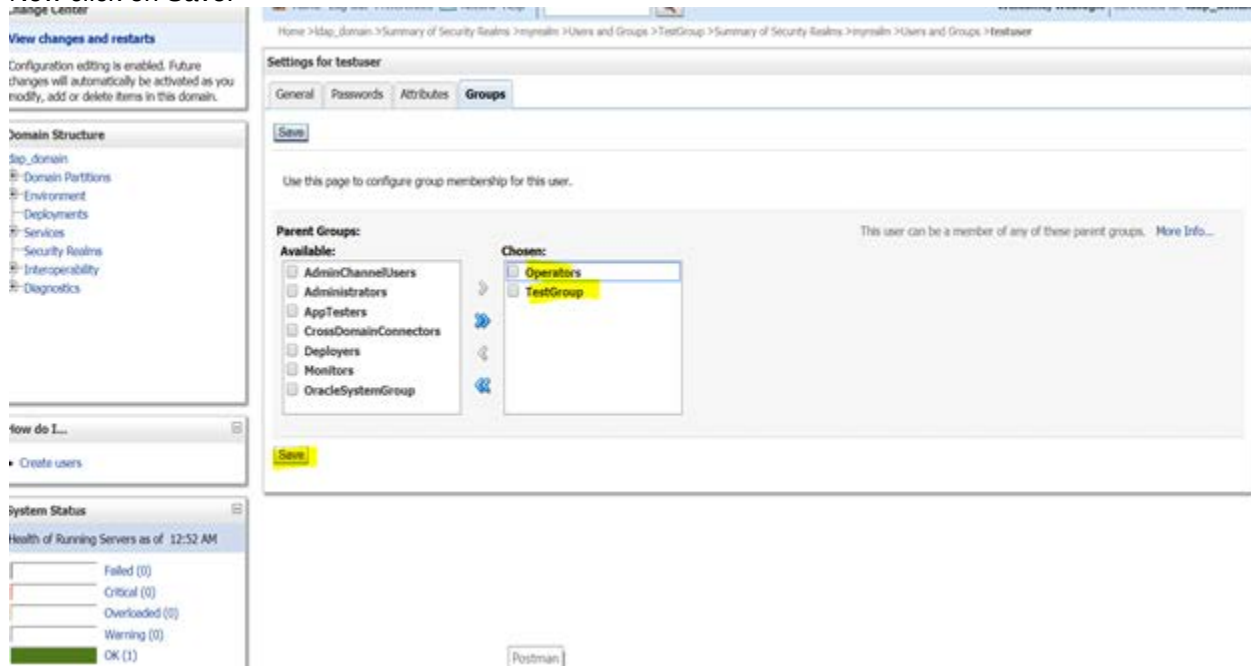
The screenshot shows the 'Settings for testuser' page with the 'Groups' tab selected. It includes a 'Save' button and a message: 'Use this page to configure group membership for this user.' Below, there's a 'Parent Groups' section with an 'Available' list and a 'Chosen' list. The 'Available' list includes Administrators, AppTesters, CrossDomainConnectors, Deployers, Monitors, Operators, OracleSystemGroup, and TestGroup.

| Available             | Chosen |
|-----------------------|--------|
| Administrators        |        |
| AppTesters            |        |
| CrossDomainConnectors |        |
| Deployers             |        |
| Monitors              |        |
| Operators             |        |
| OracleSystemGroup     |        |
| TestGroup             |        |

- 8) Select the groups you want to assign to the user and click on single right button as shown below.



- 9) Now click on Save.



### 1.8.3 Plato's "Security Config" table Entries

Connection details for the embedded LDAP of weblogic(assuming the admin server is running on 10.99.99.10:7001) are as follows:

#### Connection Details:

**URL:** ldap:// 10.99.99.10:7001

**Server Base:** dc={DOMAIN\_NAME} ( in our case it would be dc=ldap\_domain)

**User Search Base:** ou=people,ou=myrealm

**Server User:** cn=admin

**Server Credentials:** As setup in step Point 3 under 1.8.1

## **Security Config Table Entries:**

| ID                     | VALUE                    | Description*                                                                                                                  |
|------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| LDAP_URL               | ldap:// 10.99.99.10:7001 | Valid LDAP Server address with port.                                                                                          |
| LDAP_SERVER_USER       | cn=admin                 | LDAP server login username                                                                                                    |
| LDAP_SERVER_BASE       | dc=ldap_domain           | LDAP Server Base                                                                                                              |
| LDAP_SERVER_CREDENTIAL | ylksiMFfjVbfcpA7Qheh8Q== | LDAP server credentials in encrypted form(For Encryption steps, refer to Encrypted Utility section below)                     |
| LDAP_USER_SEARCH_BASE  | ou=people,ou=myrealm     | LDAP User Search Base                                                                                                         |
| LDAP_PROVIDER          | EMBEDDED_WEBLOGIC        | Which LDAP Provider to be used. Also, if this row is not present in this table, then In-House Spring Plato LDAP will be used. |

## **1.9 Oracle Analytic Server Setup**

### **1.9.1 Prerequisite**

- Machine should have Java JDK1.8.0\_241 has installed.
- Oracle Analytics Server 5.5.0

### **1.9.2 Starting BI Server**

1. Start the weblogic server & analytics server
2. Check the weblogic console whether analytics server is running

### **1.9.3 Upload BI Reports**

1. Login to the Analytics server console
2. Open the OSDC and check for the report Catalog object {unzip folder}\REP{reportfilename}.xdrz or any other Catalog objects listed below

| Catalog Object | Extensions Supported |
|----------------|----------------------|
| Data Model     | .xdmz                |
| Folder         | .xdrz                |
| Report         | .xdoz                |
| Style Template | .xssz                |
| Subtemplate    | .xsbz                |

3. Upload the catalog object to Analytics Server.

#### **1.9.4    Test BI Reports**

1. Open the application and go the Reports section of the application
2. Choose the report generation criteria e.g Start Date, End Date
3. Choose the format of the report
4. Generate the report
5. If the format of the report selected is PDF, a PDF report should have generated.