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Table of Contents

- 1. ANNEXURE..... 1-1**
- 1.1 INTRODUCTION 1-1
- 1.2 PLACE HOLDER UPDATE FOR PLATO-SERVICES 1-1
- 1.3 HOW TO CREATE DOMAIN AND CLUSTER CONFIGURATION 1-12
 - 1.3.1 *Post Domain Creation Configurations* 1-22
- 1.4 HOW TO CREATE DATASOURCE 1-24
- 1.5 HOW TO DEPLOY APPLICATION 1-28
- 1.6 HOW TO RESTART SERVERS..... 1-33
- 1.7 HOW TO CHECK PORT NO 1-1
- 1.8 WEBLOGIC EMBEDDED LDAP SETUP 1-1
 - 1.8.1 *Steps to configure weblogic LDAP* 1-1
 - 1.8.2 *Creating Users*..... 1-3
 - 1.8.3 *Plato's "Security Config" table Entries* 1-7
- 1.9 ORACLE ANALYTIC SERVER SETUP 1-8
 - 1.9.1 *Prerequisite*..... 1-8
 - 1.9.2 *Starting BI Server* 1-8
 - 1.9.3 *Upload BI Reports* 1-9
 - 1.9.4 *Test BI Reports* 1-9

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		whf00dkx	RUNNING	 OK	7001
<input type="checkbox"/>	managed1_server	Configured		whf00dkx	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.

Java Home:	<input type="text"/>	The Java home directory (path on the machine running Node Manager) to use when starting this server. More Info...
Java Vendor:	<input type="text"/>	The Java Vendor value to use when starting this server. More Info...
BEA Home:	<input type="text"/>	The BEA home directory (path on the machine running Node Manager) to use when starting this server. More Info...
Root Directory:	<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. More Info...
Class Path:	<input type="text"/>	The classpath (path on the machine running Node Manager) to use when starting this server. More Info...

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.

Java Home:	<input type="text"/>	The Java home directory (path on the machine running Node Manager) to use when starting this server. More Info...
Java Vendor:	<input type="text"/>	The Java Vendor value to use when starting this server. More Info...
BEA Home:	<input type="text"/>	The BEA home directory (path on the machine running Node Manager) to use when starting this server. More Info...
Root Directory:	<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. More Info...
Class Path:	<input type="text"/>	The classpath (path on the machine running Node Manager) to use when starting this server. More Info...
Arguments:	<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. More Info...

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}" ${prop}"
            PLACEHOLDERS=${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/PLATOFEED
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
```

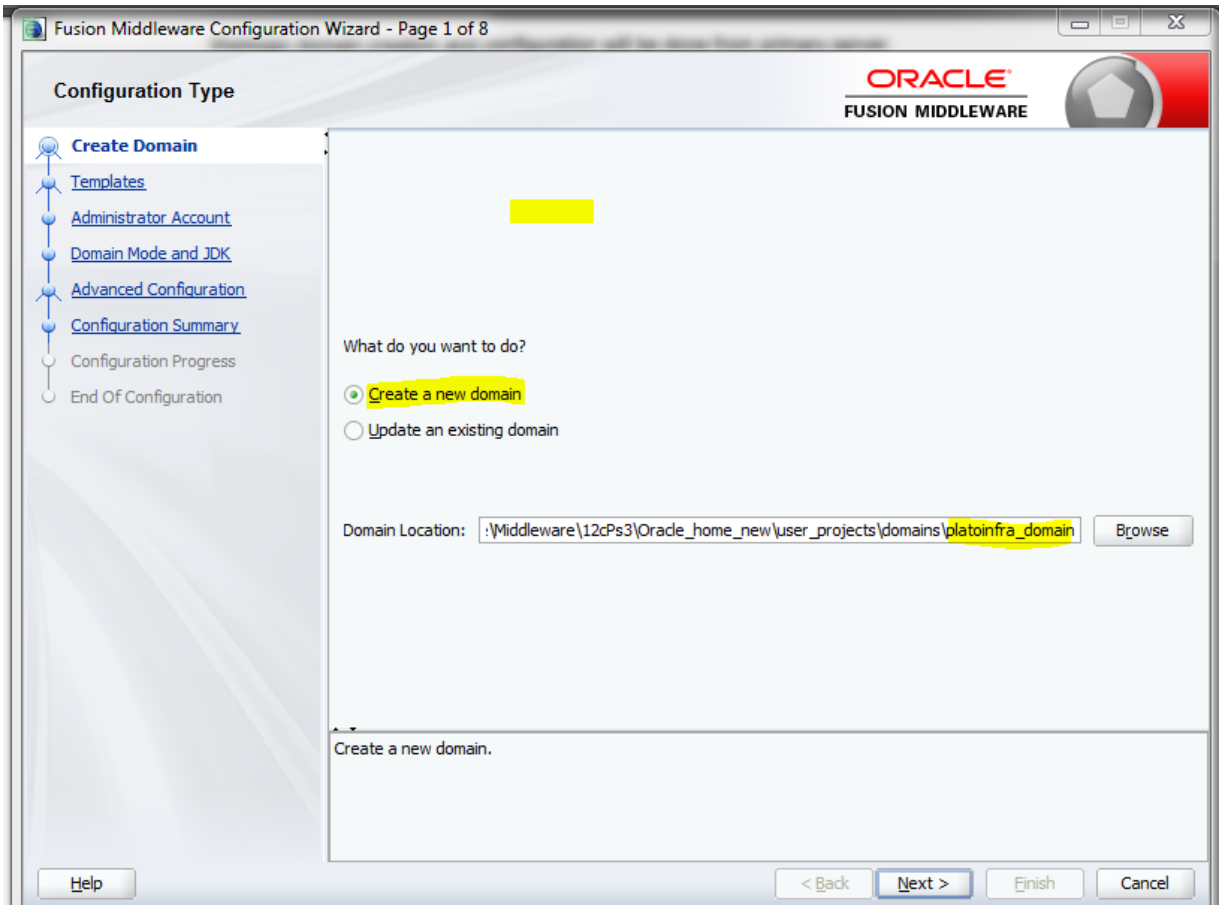
```
### generic entries for all services ###
```

```
spring.cloud.config.uri=
apigateway.url=
service.logging.environment=
service.logging.path=
```

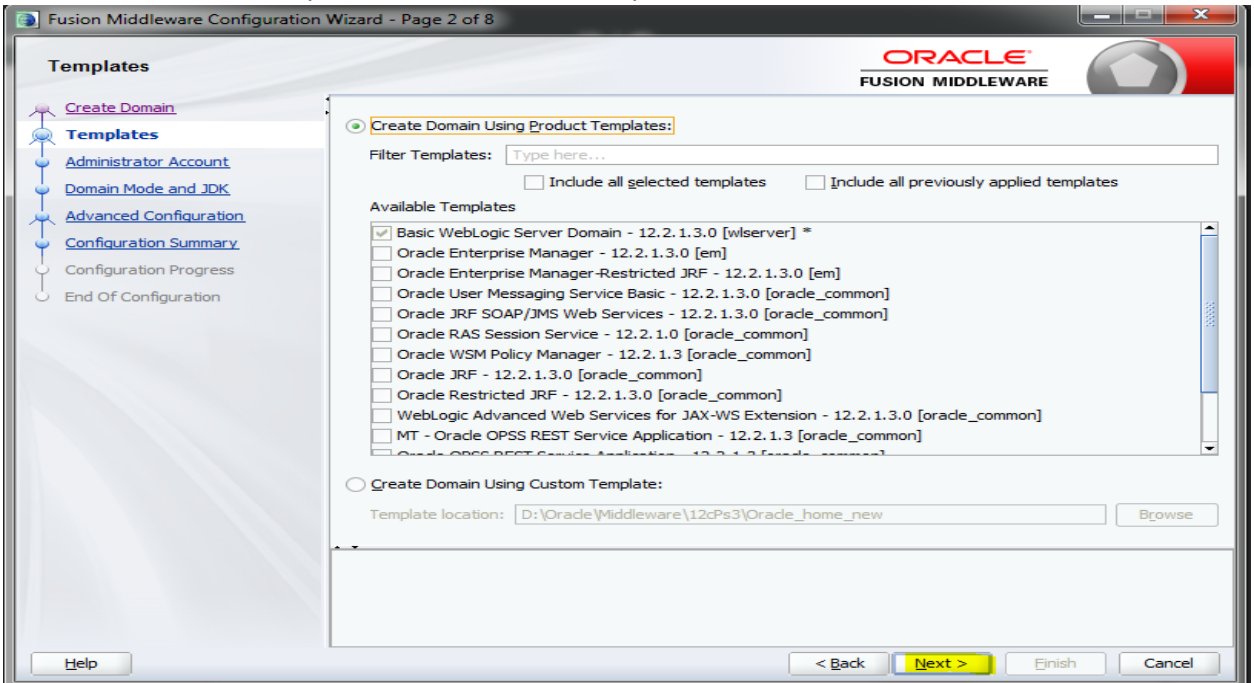
1.3 How to create Domain and Cluster Configuration

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

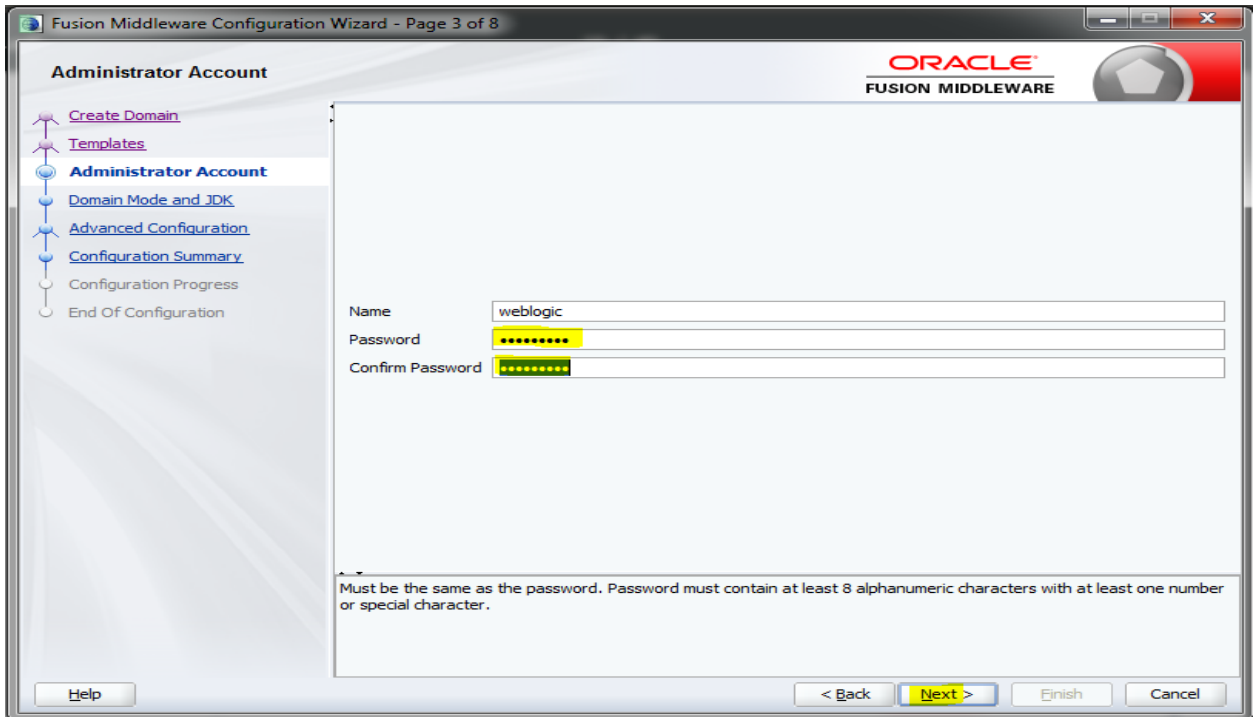
1. Go to `/oracle_common/common/bin` and run `config.cmd` (or `.sh` if operating system is linux) and below the below screen shots to create domain with required cluster and server configurations.
2. Select **create a new domain** and **provide domain name**. e.g. **"platoinfra_domain"**



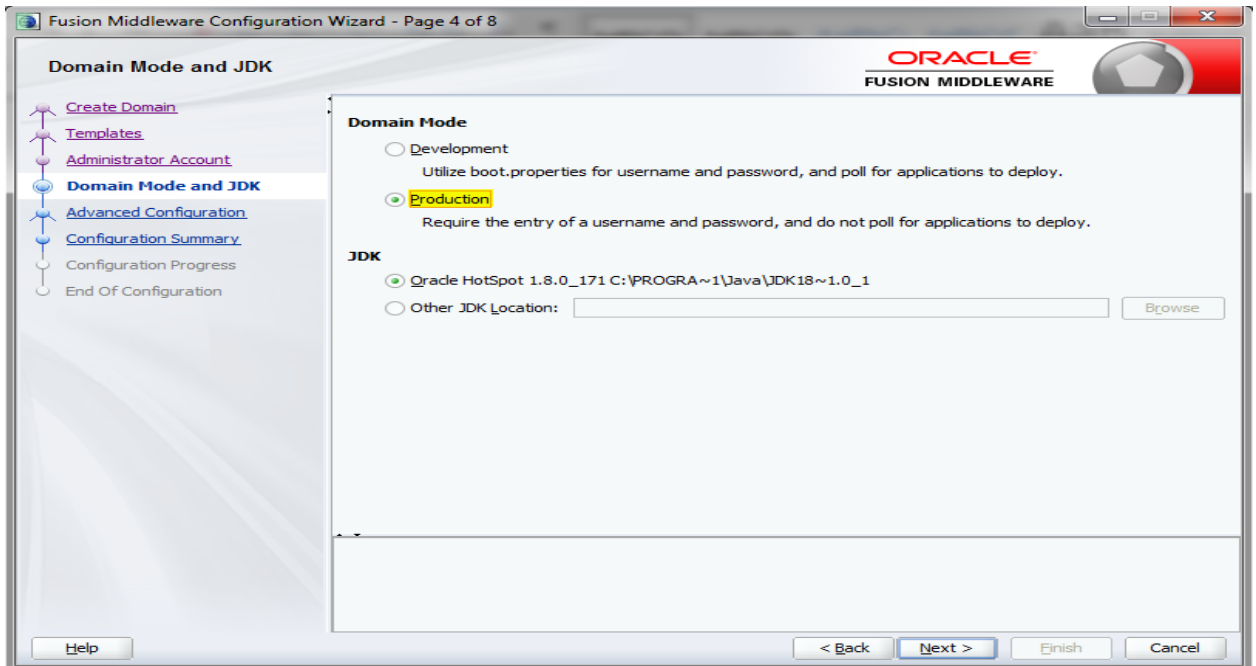
3. Click **next** to create simple domain with default templates.



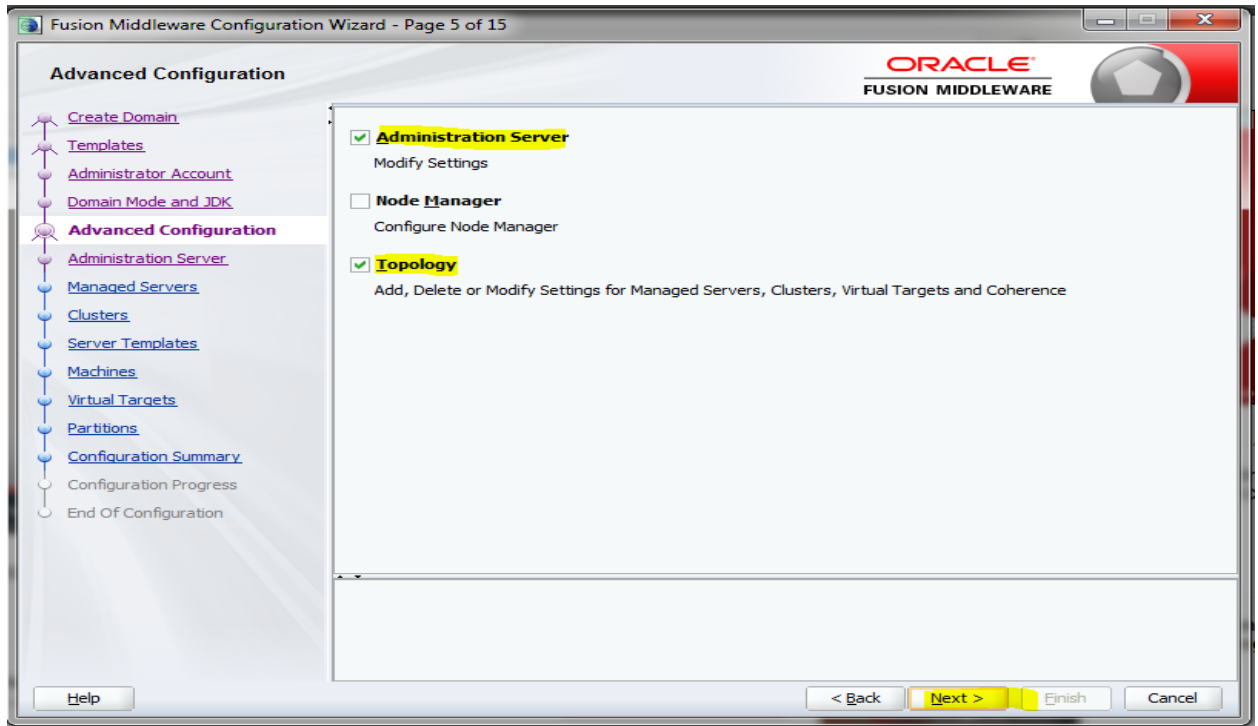
4. Set password and confirm, click **next** to proceed.



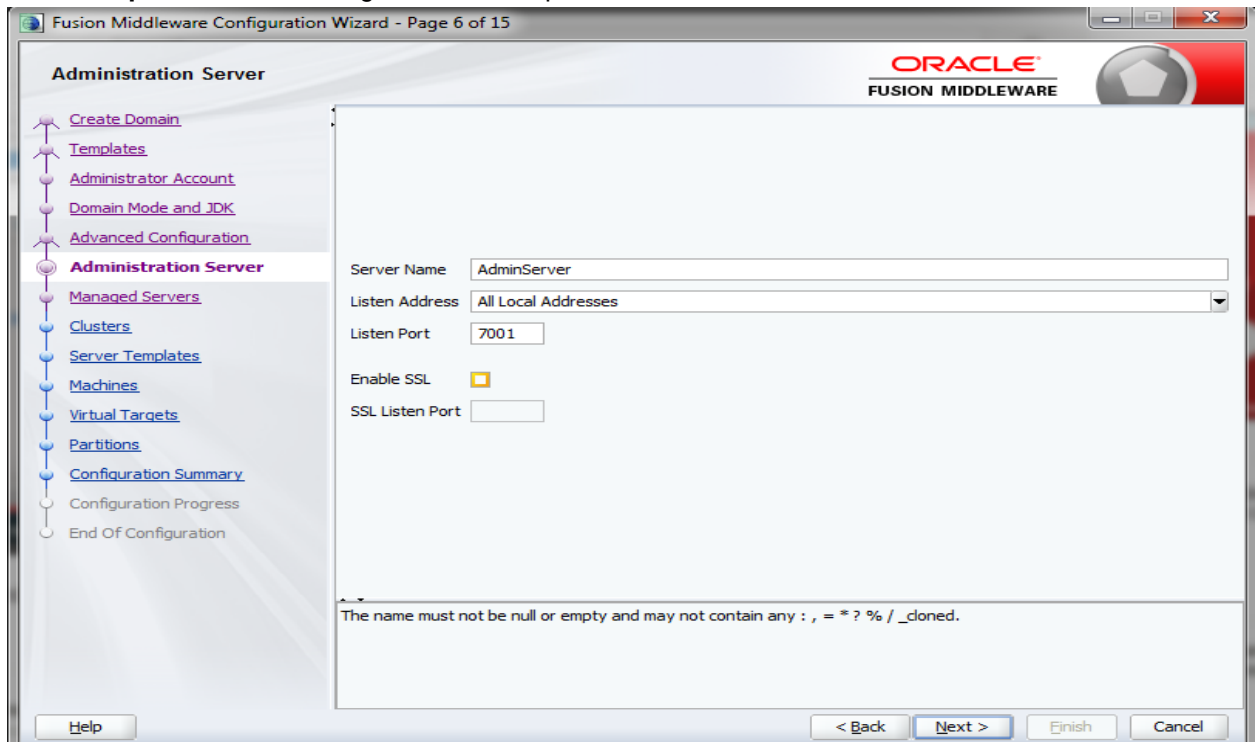
5. Select Domain mode as **Production** and select **jdk**.



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



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



8. Add managed servers **and provide meaningful name**, edit listen address and port as required.

Managed Servers

ORACLE
FUSION MIDDLEWARE

+ Add Clone Delete Discard Changes

Server Name	Listen Address	Listen Port	Enable SSL	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 Disard 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.**

Server Templates

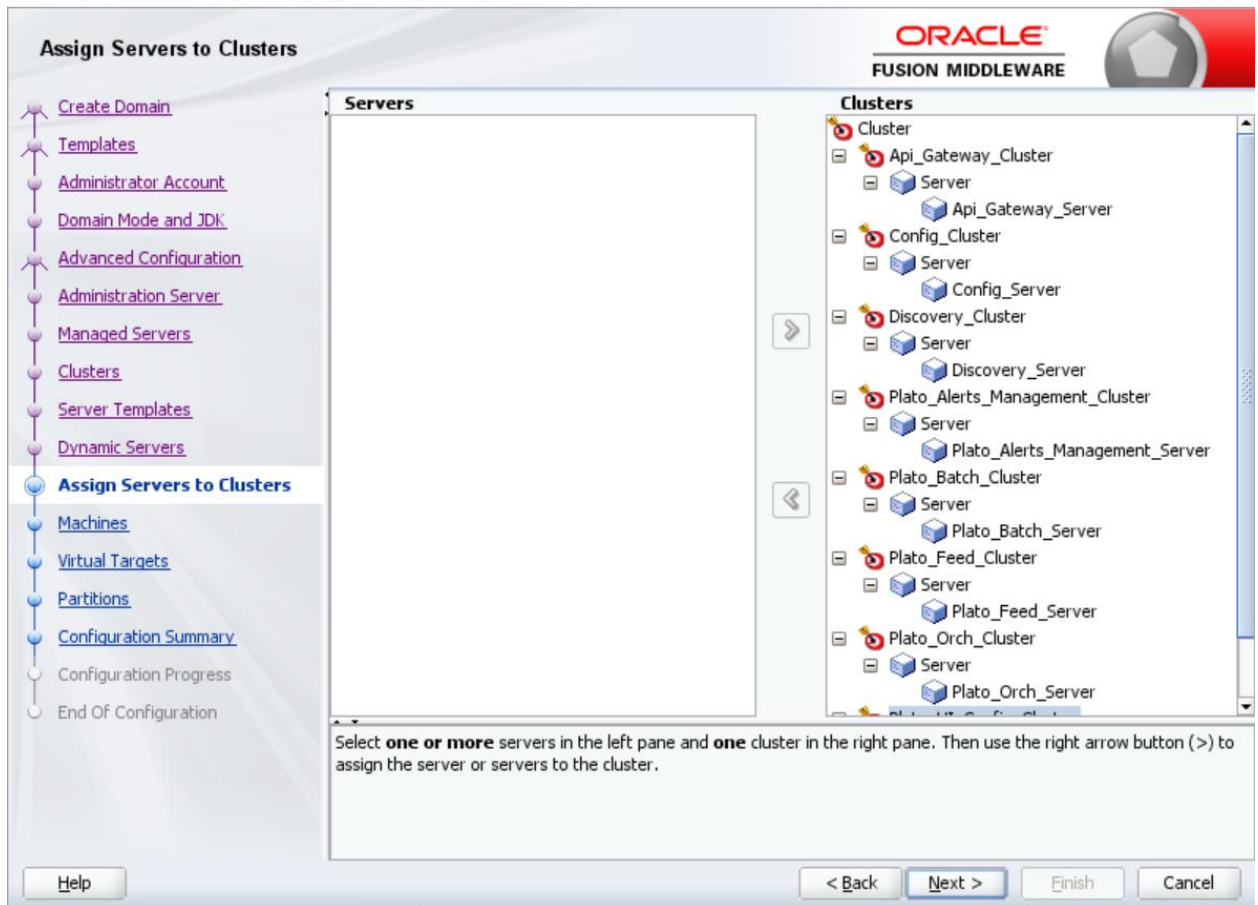
ORACLE
FUSION MIDDLEWARE

+ Add X Delete Disard Changes

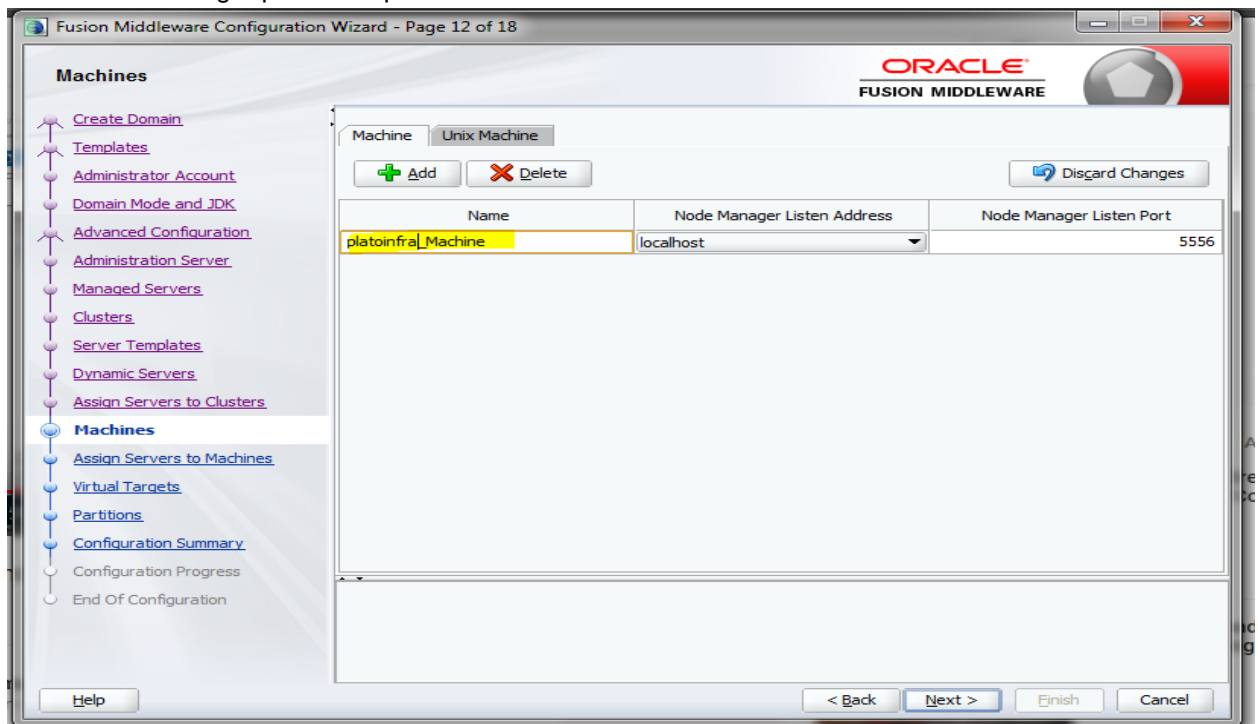
Name	Listen Port	SSL Listen Port	Enable SSL
			<input type="checkbox"/>

Help < Back Next > Finish Cancel

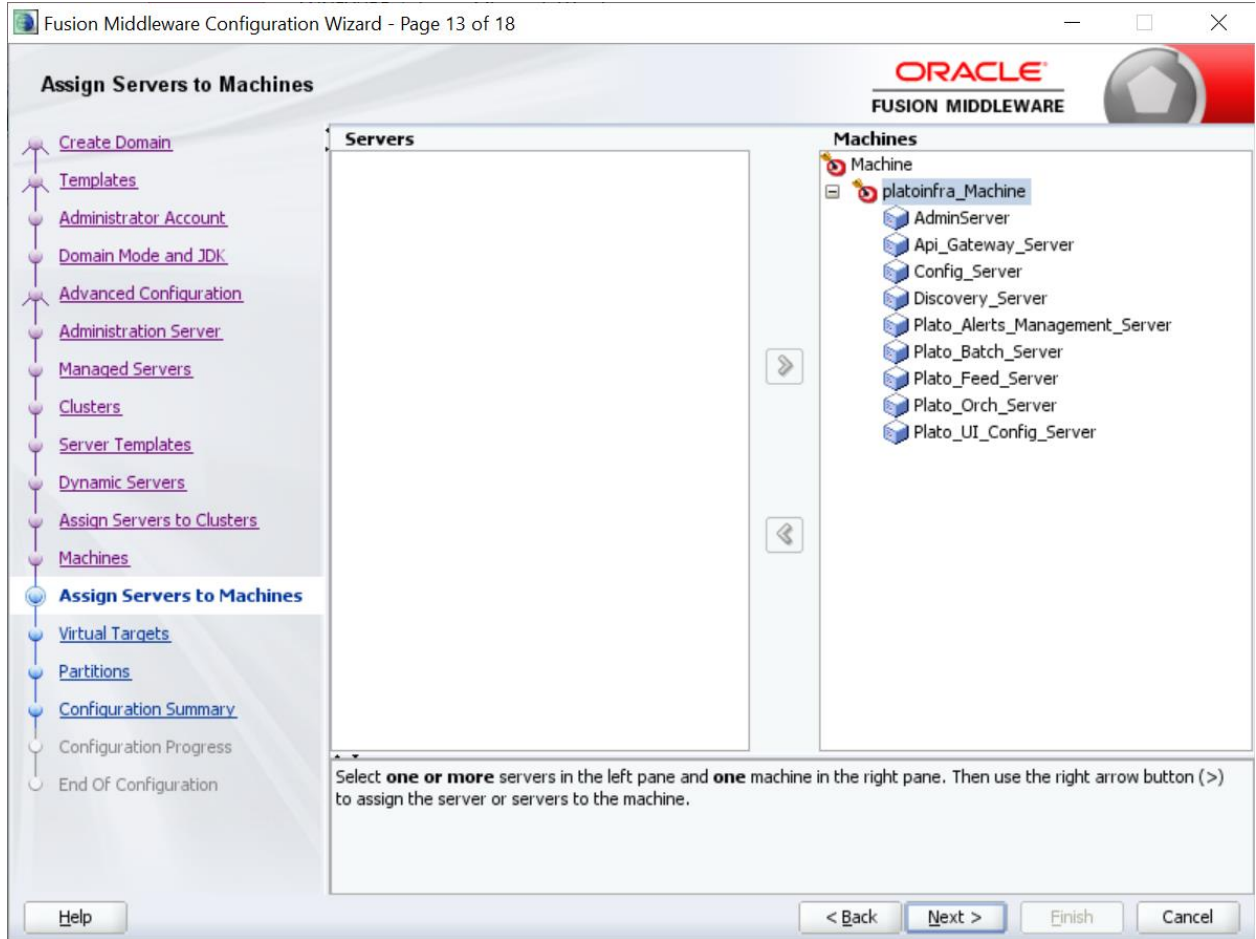
11. Assign **clusters with servers.**



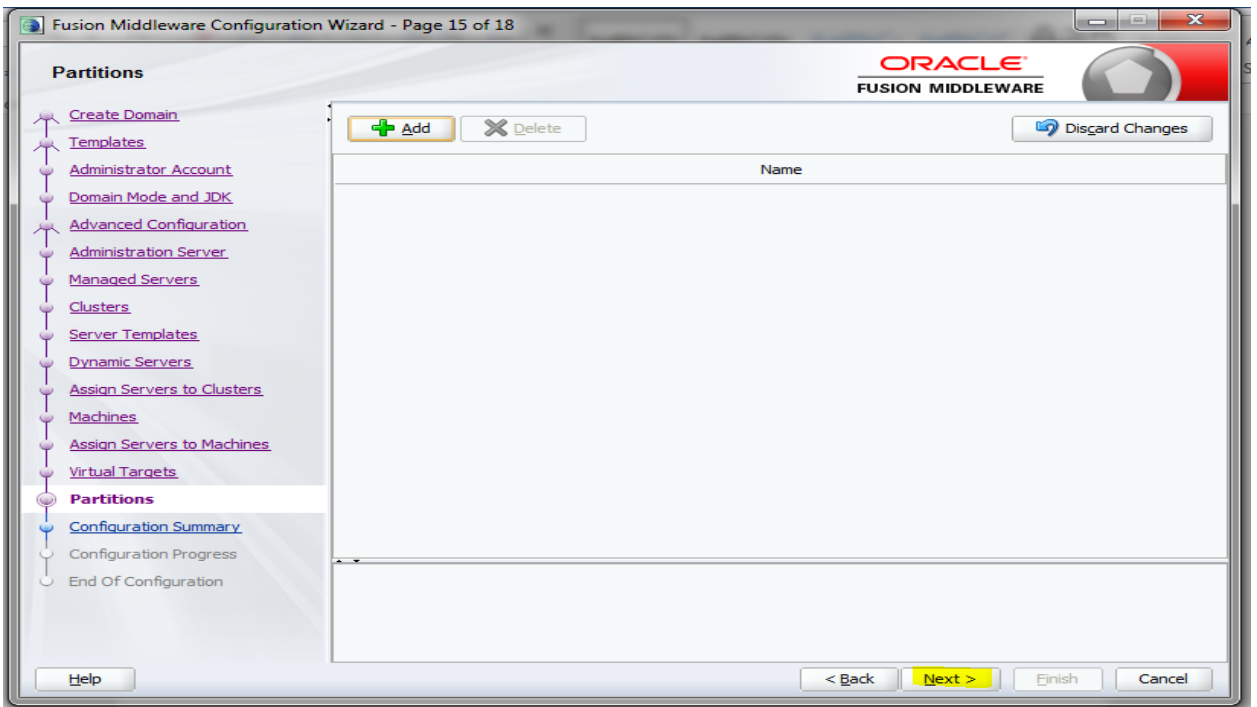
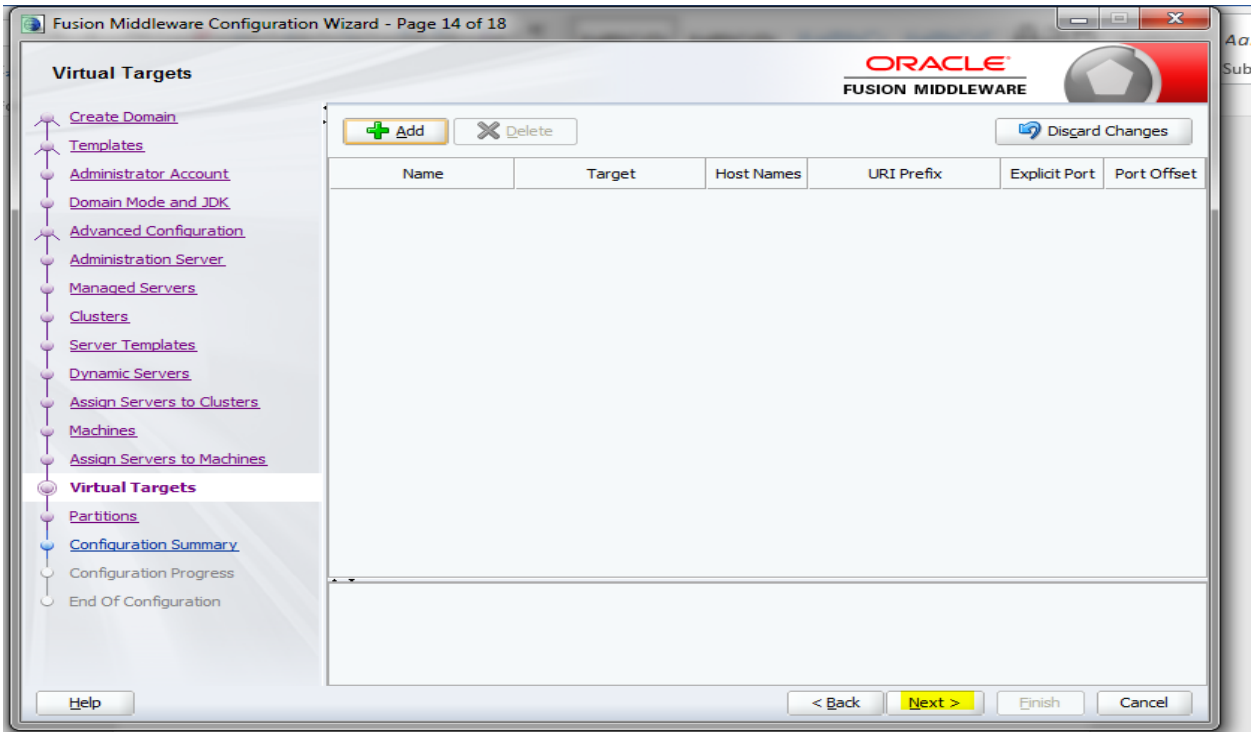
12. Add **Machine/ Unix Machine** based on operating system and configure name, listen address and node manager port as required.



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.

Fusion Middleware Configuration Wizard - Page 16 of 18

Configuration Summary

ORACLE
FUSION MIDDLEWARE

View: Deployment

platoinfra_domain (C:\Users\ags\Documents\Oracle\Mid

- Server
 - Config_Server
 - Discovery_Server
 - Api_Gateway_Server
 - Plato_UI_Config_Server
 - Plato_Orch_Server
 - Plato_Feed_Server
 - Plato_Batch_Server
 - Plato_Alerts_Management_Server
- AdminServer
 - AdminServer
- Cluster
 - Config_Cluster
 - Discovery_Cluster
 - Api_Gateway_Cluster
 - Plato_UI_Config_Cluster
 - Plato_Orch_Cluster
 - Plato_Feed_Cluster
 - Plato_Batch_Cluster
 - Plato_Alerts_Management_Cluster

Name	Basic WebLogic Server Domain
Description	Create a basic WebLogic Server domain w
Author	Oracle Corporation
Location	C:\Users\ags\Documents\Oracle\Middlewa

Select **Create** to accept the above options and start creating and configuring a new domain. To change the above configuration before starting Domain Creation, go back to the relevant page by selecting its name in the left pane, or by using the **Back** button.

Help < Back Next > Create Cancel

Fusion Middleware Configuration Wizard - Page 17 of 18

Configuration Progress

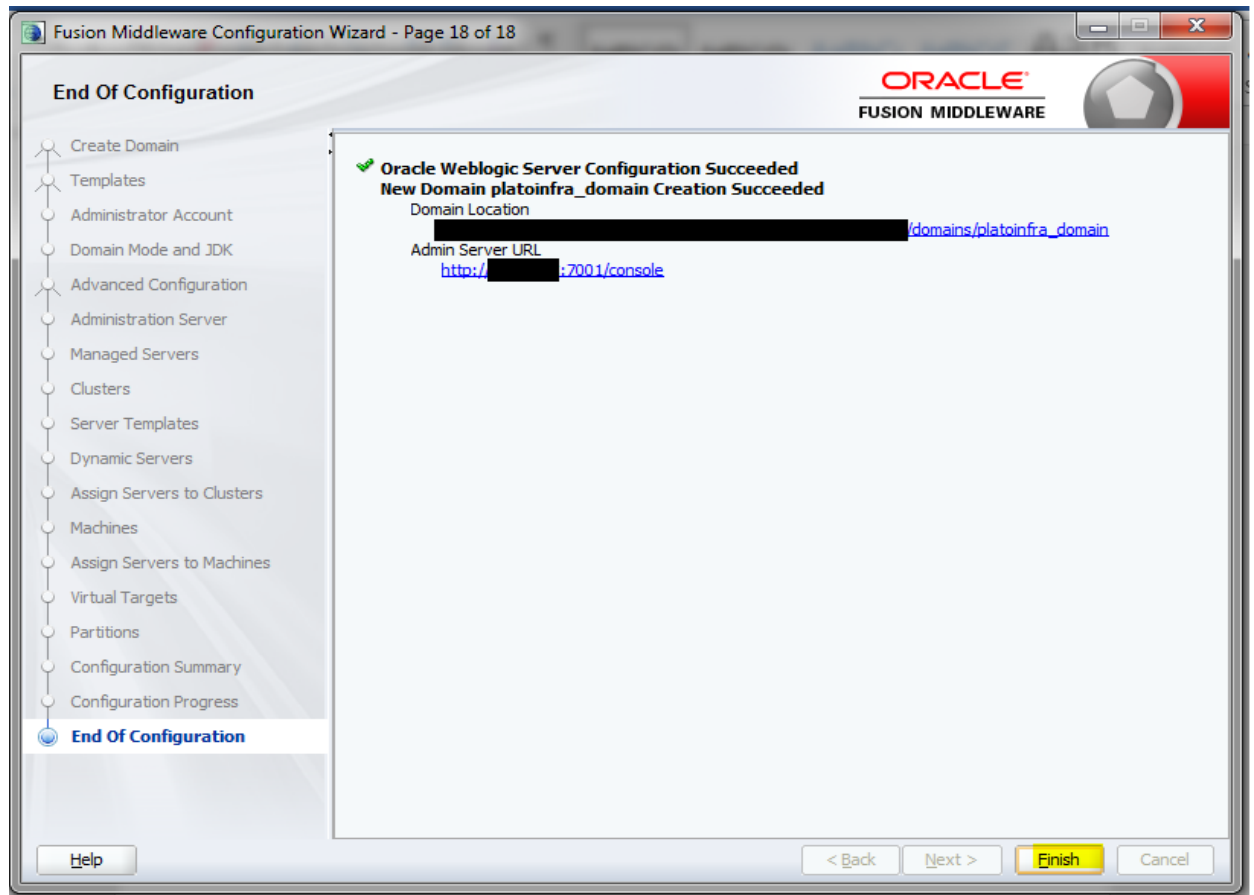
ORACLE
FUSION MIDDLEWARE

100%

- ✓ Copy Unprocessed Artifacts
- ✓ Security Processing
- ✓ Artifacts Generation
- ✓ String Substitution
- ✓ Post Processing

Help < Back Next > Finish Cancel

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

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured		platoinfra_Machine	RUNNING	OK	7001
Api_Gateway_Server	Configured	Api_Gateway_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7005
Config_Server	Configured	Config_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7003
Discovery_Server	Configured	Discovery_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7004
Plato_Alerts_Management_Server	Configured	Plato_Alerts_Management_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7010
Plato_Batch_Server	Configured	Plato_Batch_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7009
Plato_Feed_Server	Configured	Plato_Feed_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7008
Plato_Orch_Server	Configured	Plato_Orch_Cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7007
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 Log Out Preferences Record Help

Welcome, weblogic Connected to: platoinfra_domain

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

Name	Cluster Address	Cluster Messaging Mode	Migration Basis	Default Load Algorithm	Replication Type	Cluster Broadcast Channel	S
Api_Gateway_Cluster		Unicast	Database	Round Robin	(None)		A
Config_Cluster		Unicast	Database	Round Robin	(None)		C
Discovery_Cluster		Unicast	Database	Round Robin	(None)		D
Plato_Alerts_Management_Cluster		Unicast	Database	Round Robin	(None)		P
Plato_Batch_Cluster		Unicast	Database	Round Robin	(None)		P
Plato_Feed_Cluster		Unicast	Database	Round Robin	(None)		P
Plato_Orch_Cluster		Unicast	Database	Round Robin	(None)		P
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...

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 Machines

A machine is the logical representation of the computer that hosts one or more WebLogic Server instances (servers). WebLogic Server uses configured machine names to determine the optimum server in a cluster to which certain tasks, such as HTTP session replication, are delegated. The Administration Server uses the machine definition in conjunction with Node Manager to start remote servers. This page displays key information about each machine that has been configured in the current WebLogic Server domain.

Customize this table

Machines

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

New Clone Delete Showing 1 to 1 of 1 Previous Next

Name	Type
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**.

View changes and restarts

Click the *Lock & Edit* button to modify, add or delete items in this domain.

Lock & Edit

Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Messaging
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - jCOM

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
 - Messaging
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - jCOM
 - Mail Sessions

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 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

GridLink Data Source

Multi Data Source

Proxy Data Source

UCP Data Source

Type

JNDI Name

Targets

There are no items to display

- 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

[Back](#) [Next](#) [Finish](#) [Cancel](#)

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 application 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. Will can participate in the global transaction.

One-Phase Commit

[Back](#) [Next](#) [Finish](#) [Cancel](#)

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

[Back](#) [Next](#) [Finish](#) [Cancel](#)

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.

The screenshot shows the 'Test Database Connection' step in the Oracle WebLogic console. The left sidebar displays a tree view of the domain structure, including 'Domain Partitions', 'Environment', 'Servers', and 'Clusters'. The main area shows a list of servers and clusters. The 'Clusters' section is expanded, showing several clusters with their respective server targets selected.

Servers
<input type="checkbox"/> AdminServer

Clusters
<input checked="" type="checkbox"/> Api_Gateway_Cluster <input type="radio"/> All servers in the cluster <input checked="" type="radio"/> Part of the cluster <input checked="" type="checkbox"/> Api_Gateway_Server
<input checked="" type="checkbox"/> Config_Cluster <input type="radio"/> All servers in the cluster <input checked="" type="radio"/> Part of the cluster <input checked="" type="checkbox"/> Config_Server
<input checked="" type="checkbox"/> Discovery_Cluster <input type="radio"/> All servers in the cluster <input checked="" type="radio"/> Part of the cluster <input checked="" type="checkbox"/> Discovery_Server
<input checked="" type="checkbox"/> Plato_Alerts_Management_Cluster <input type="radio"/> All servers in the cluster <input checked="" type="radio"/> Part of the cluster <input checked="" type="checkbox"/> Plato_Alerts_Management_Server
<input checked="" type="checkbox"/> Plato_Batch_Cluster <input type="radio"/> All servers in the cluster <input checked="" type="radio"/> Part of the cluster <input checked="" type="checkbox"/> Plato_Batch_Server
<input checked="" type="checkbox"/> Plato_Feed_Cluster <input type="radio"/> All servers in the cluster <input checked="" type="radio"/> Part of the cluster <input checked="" type="checkbox"/> 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 screenshot shows the Oracle WebLogic console interface. On the left, the 'Change Center' panel displays 'View changes and restarts' with a message: 'Pending changes exist. They must be activated to take effect.' Below this are two buttons: 'Activate Changes' (highlighted in yellow) and 'Undo All Changes'. The 'Domain Structure' panel shows 'platoinfra_domain' and 'Domain Partitions'. The main content area is titled 'Summary of JDBC Data Sources' and has two tabs: 'Configuration' (selected) and 'Monitoring'. A text block explains: 'A JDBC data source is an object bound to the JNDI tree that provides database connectivity from a data source.' Below this, it states: 'This page summarizes the JDBC data source objects that have been created in this domain.'

This screenshot shows the Oracle WebLogic console after the changes have been activated. The 'Change Center' panel now shows 'View changes and restarts' with a message: 'All changes have been activated. No restarts are necessary.' Below this are two buttons: 'Lock & Edit' and 'Release Configuration'. The 'Domain Structure' panel shows a tree view with 'Data Sources' selected. The main content area is titled 'Summary of JDBC Data Sources' and has two tabs: 'Configuration' (selected) and 'Monitoring'. A text block explains: '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.' Below this, it states: 'This page summarizes the JDBC data source objects that have been created in this domain.' There is a 'Customize this table' link and a section titled 'Data Sources (Filtered - More Columns Exist)'. A table lists the data sources:

Name	Type	JNDI Name	Targets
PLATO	Generic	Jdbc/PLATO	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 Oracle WebLogic console with the 'Deployments' page selected in the 'Domain Structure' panel. The 'Change Center' panel shows 'View changes and restarts' with 'Lock & Edit' and 'Release Configuration' buttons. The main content area is titled 'Home' and 'Home Page'. It has several sections: 'Information and Resources' with links like 'Configure applications', 'Configure GridLink for RAC Data Source', 'Configure a Dynamic Cluster', 'Recent Task Status', and 'Set your console preferences'; 'Domain Configurations' with links for 'Domain', 'Domain Partitions', and 'Environment'; 'Resource Group Templates' with 'Resource Group Templates'; 'Resource Groups' with 'Resource Groups'; 'Deployed Resources' with 'Deployments' (highlighted in yellow); 'Interoperability' with 'WTC Servers' and 'Jolt Connection Pools'; and 'Diagnostics' with '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:

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

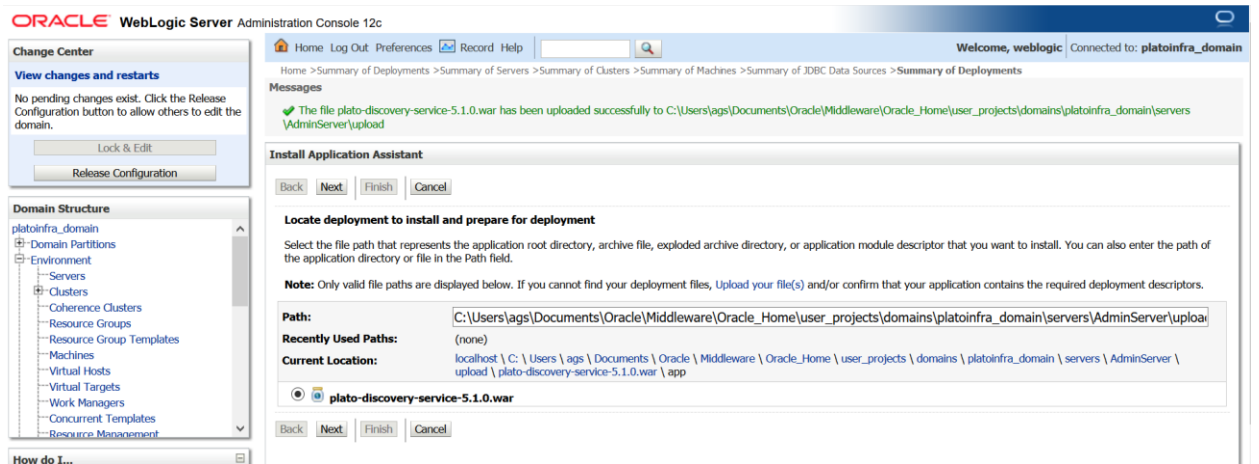
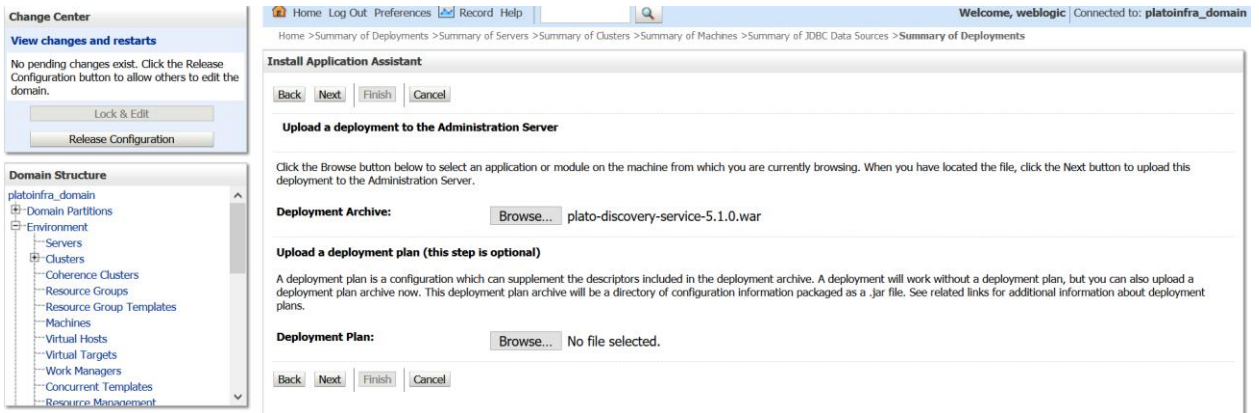
Upload a deployment plan (this step is optional)

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.

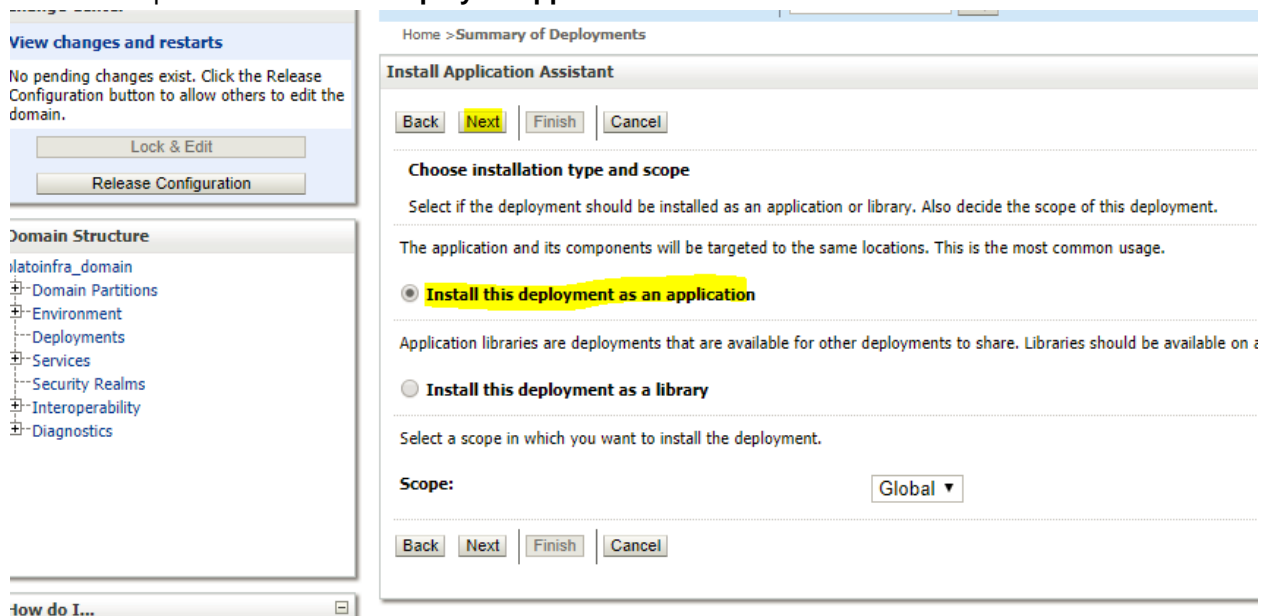
Deployment Plan Archive: [Choose File](#) No file chosen

[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 Machines > Summary of JDBC Data Sources > 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

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

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

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

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**.

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

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**.

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

Start Application Assistant

Yes No

Start Deployments

You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel.

- plato-discovery-service-5.1.0

Yes No

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

Home Log Out Preferences Record Help Welcome, weblogic Connected to: platoinfra_domain

Home > Summary of Clusters > 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

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
 - 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...

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	Active	OK	Web Application	Discovery_Server	Global		100

Install Update Delete Showing 1 to 1 of 1 Previous | Next

1.6 How to Restart Servers

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

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

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 content area is titled 'Summary of Servers' and has the 'Control' tab selected. Below the tab, there is a table of servers with columns for 'Server', 'Machine', 'State', and 'Status of Last Action'. The 'Discovery_Server' is currently in a 'RUNNING' state.

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

This screenshot shows the 'Summary of Servers' page with the 'Discovery_Server' selected. A context menu is open over the 'Discovery_Server' row, with the 'Shutdown' option selected. The 'Shutdown' dropdown menu is expanded, showing 'When work completes' and 'Force shutdown now' options. The 'Discovery_Server' checkbox is checked in the table below.

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 'Server Life Cycle Assistant' dialog box. It has a 'Yes' button selected and a 'No' button. Below the buttons, it says 'Forcibly Shutdown Servers' and lists the selected servers: 'Discovery_Server'. The dialog prompts the user to confirm the shutdown of the selected servers.

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 > 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.

ORACLE WebLogic Server Administration Console 12c

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

ORACLE WebLogic Server Administration Console 12c

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

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

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 JDB Data Sources > Summary of Servers

Messages
 A request has been sent to the Node Manager to start 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"/> Apl_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

7. 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 JDB 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"/> Apl_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 JDB Data Sources > Summary of Servers

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

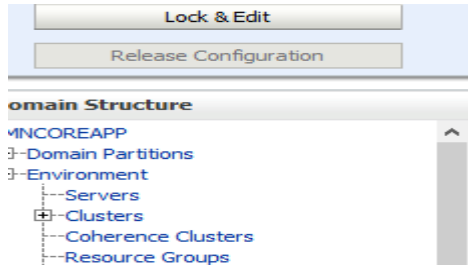
Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/> plato-discovery-service-5.1.0	Active	OK	Web Application	Discovery_Server	Global		100

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 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

- Configure applications
- Configure GridLink for RAC Data Source
- Configure a Dynamic Cluster
- Recent Task Status
- Set your console preferences

General Information

- Common Administration Task Descriptions
- Read the documentation
- Ask a question on My Oracle Support

Domain Configurations

Domain

- Domain

Resource Group Templates

- Resource Group Templates

Interoperability

- WTC Servers
- Jolt Connection Pools

Domain Partitions

- Domain Partitions
- Partition Work Managers

Resource Groups

- Resource Groups

Diagnostics

- Log Files
- Diagnostic Modules
- Built-in Diagnostic Modules
- Diagnostic Images
- Request Performance
- Archives
- Context

Environment

- Servers
- Clusters
 - Server Templates
 - Migratable Targets

Deployed Resources

- Deployments

Services

- Messaging
 - JMS Servers

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

Home > ldap_domain

Settings for ldap_domain

Configuration | Monitoring | Control | **Security** | Web Service Security | J2T 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: [password] The credential (usually a password) used to connect to the embedded LDAP server. [More Info...](#)

Confirm Credential: [password]

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

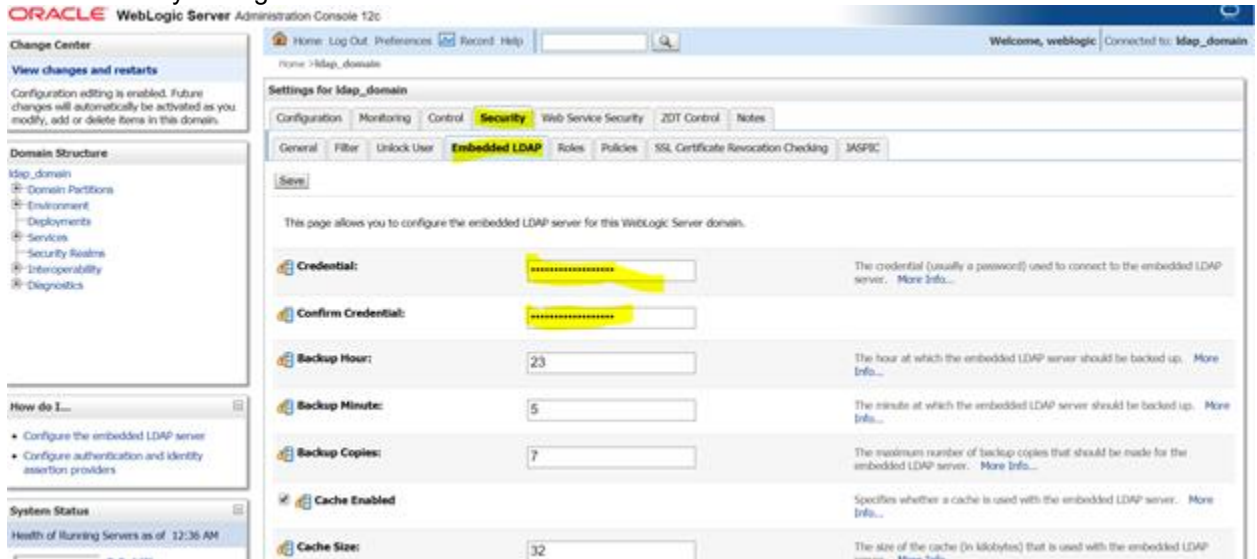
Backup Minute: 5 The minute at which the embedded LDAP server should be backed up. [More Info...](#)

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...](#)

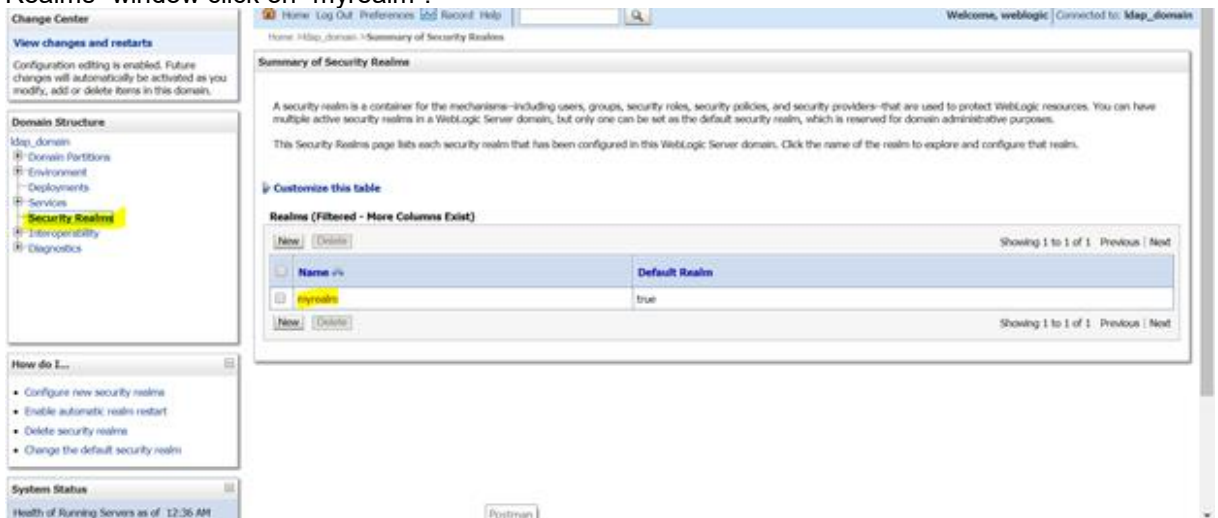
Cache Size: 32 The size of the cache (in kilobytes) that is used with the embedded LDAP server. [More Info...](#)

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

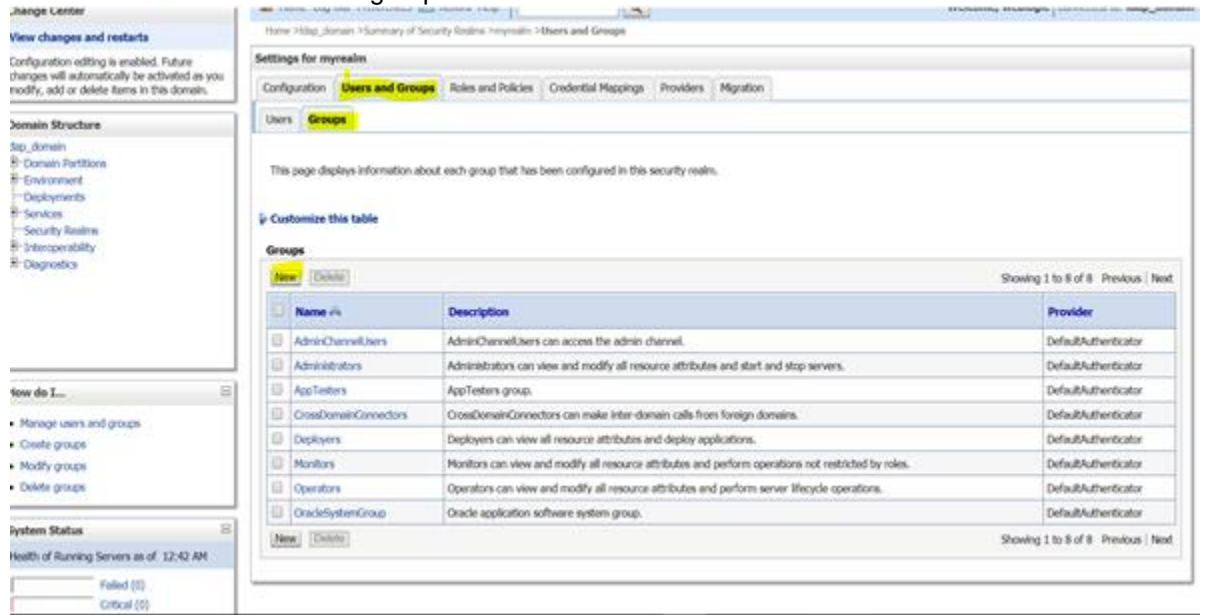


1.8.2 Creating Users

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



- 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.

The screenshot shows the 'Create a New Group' dialog box. It has 'OK' and 'Cancel' buttons at the top. Below the buttons, there is a section titled 'Group Properties' with the text: 'The following properties will be used to identify your new Group.' and '* Indicates required fields'. There are three input fields: 'Name' with the value 'TestGroup', 'Description' with the value 'Group for testing purpose', and 'Provider' with a dropdown menu showing 'DefaultAuthenticator'. At the bottom, there are 'OK' and 'Cancel' buttons.

- 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

Name	Description	Provider
LCHUser	This is the default service account for WebLogic Server Lifecycle Manager configuration updates.	DefaultAuthenticator
OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
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 interface. The main content area is titled 'Settings for myrealm' and has tabs for 'Configuration', 'Users and Groups', 'Roles and Policies', 'Credential Mappings', 'Providers', and 'Migration'. The 'Users and Groups' tab is active, and the 'Users' sub-tab is selected. A message at the top indicates 'User created successfully'. Below this, a table lists the users in the realm:

Name	Description	Provider
LCMUser	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

The 'testuser' row is highlighted in yellow. The table also includes 'New' and 'Delete' buttons for each user and a summary at the bottom indicating 'Showing 1 to 4 of 4' users.

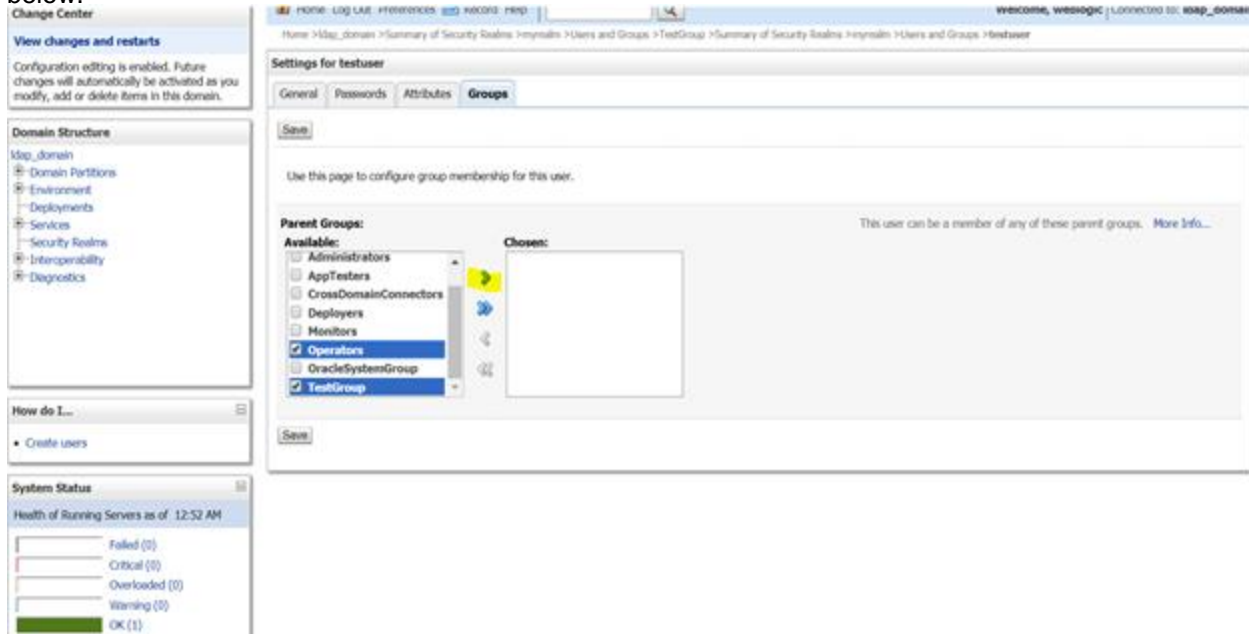
- 7) Now under "Setting for testuser"(or whatever your user's name is) window, click on "Groups" tab.

The screenshot shows the 'Settings for testuser' configuration page. The 'Groups' tab is selected, and the 'Parent Groups' section is visible. It contains two lists: 'Available' and 'Chosen'. The 'Available' list includes the following groups:

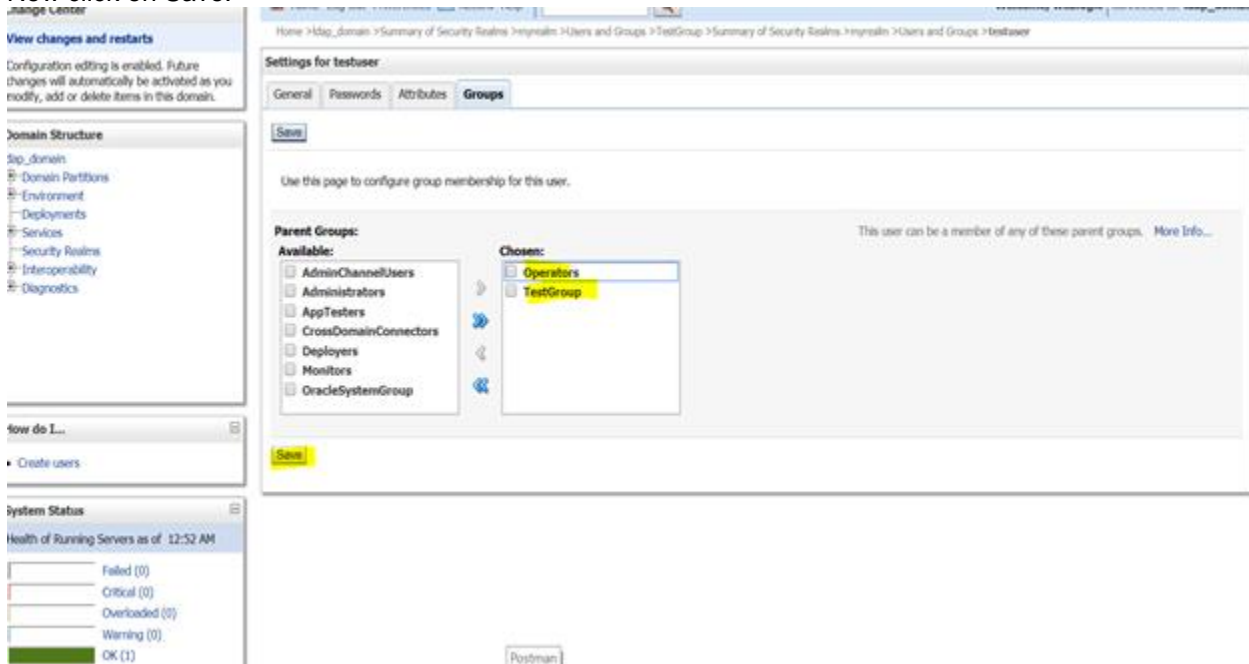
- Administrators
- AppTesters
- CrossDomainConnectors
- Deployers
- Monitors
- Operators
- OracleSystemGroup
- TestGroup

The 'Chosen' list is currently empty. A 'Save' button is located at the bottom left of the configuration area. A note at the top right of the configuration area states: 'This user can be a member of any of these parent groups. More Info...'

- 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 (admin server url and admin server port)

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	ylksiMFfjVbfcP A7Qheh8Q==	LDAP server credentials (as setup in 1.8.1 point 3) 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. (Currently supports PLATO and EMBEDDED_WEBLOGIC)
LDAP_USER_PREFIX	uid	

(*Description column is only for understanding of the user, this particular column is not present in the Security Config Table.)

Encryption Utility:

Using Plato encryption utility administrators can generate encrypted password for inputted salt.

Usage :

```
java -jar plato-security-toolkit-5.1.1.jar
Enter pass phrase : <<your password>>
Enter Salt : <<your salt for password>>
Encrypted Password: <<Output>>
```

The output obtained above should be entered as value in the SECURITY_CONFIG table for property "LDAP_SERVER_CREDENTIAL"

After completing the Weblogic and SECURITY_CONFIG configuration, restart the domain's admin server and any Plato deployed applications.

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.