

Oracle Banking Corporate Lending Process Management
Services Installation Guide
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Oracle Banking Corporate Lending Process Management Services Installation Guide
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1. Preface

1.1 Introduction

This guide would help you to install the OBCLPM services on designated environment. It is assumed that all the prior setup is already done related with WebLogic 12c installation, WebLogic managed server creation and Oracle DB installation. It is recommended to use dedicated managed server for the OBCLPM services.

The installation procedure includes a series of steps that are defined in subsequent sections for the deployment of services. Section 2 explains the procedure to perform the database setup. This setup includes the compilation of DDLs and INCs in their respective schemas. Section 3 deals with the domain and cluster configuration which includes the creation of respective domains and clusters in the weblogic server. Section 4 deals with the data source creation procedure which includes the configuration of various data sources, as required by the services, to the target servers. After the completion of database setup and data source creation, the war files of each of the services are deployed. Section 5 covers the procedure to deploy each of the application war files into the servers. Section 6 explains the procedure to restart and refresh the server after final deployments.

1.2 Audience

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

1.3 Documentation Accessibility

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

1.4 Organization

This installation guide would allow you to install following services in same order:

- clmo-application-category
- clmo-application-transaction
- clmo-handoff-services
- clmo-legal-verification
- clmo-loanapplication
- clmo-maintenance-services
- clmo-orchestration-services
- clmo-pricing
- clmo-verification
- clmo-backoffice-integration-services

1.5 Related Documents

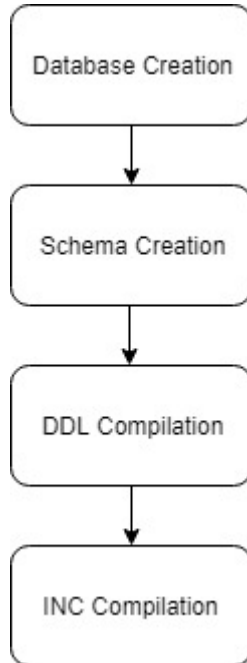
- Common Core Services Installation Guide
- Day-0 Setup Guide
- LDAP Setup Guide
- Oracle Banking Corporate Lending Process Management Annexure
- Oracle Banking Corporate Lending Process Management BPMN Process Installation Guide
- Oracle Banking Corporate Lending Process Management Pre-Installation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

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

2. Database Setup

2.1 Prerequisite

In this section, you are going to setup database related configuration for OBCLMO Installation. Before you proceed, ensure pre-installation setup is done. The pre-installation setup includes the configuration of database and creation of respective schemas. Once the setup is completed, the DDLs and INCs of each micro-service need to be compiled in the respective schemas. The DDLs and INCs ensure the creation of tables and availability of static data required for the execution of services.



2.2 Database Setup

In this section, we will go through the compilation of DDLs and INCs for each micro-service in their respective schemas.

DDL's:-

Collect the DDL's mentioned in the **From-Path** section of the below table and compile into respective schema.

Service Name	From-Path	Compile To
clmo-application-transaction	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-handoff	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-legal-verification	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	

clmo-loan-application	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-application-category	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-maintenance	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-orchestration-services	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-pricing	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-backoffice-integration-services	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	
clmo-verification	obclpm_14.1.0.0.0\CommonInfra\Database\DDL	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\DDL	

INC's:-

Collect INC's mentioned in the **From-Path** section of the below table and compile into respective schema.

Service Name	From-Path	Compile To
clmo-application-category	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-application-transaction	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-handoff	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	

	obclpm_14.1.0.0.0\OBCLPM\Database\INC	OBCLPM Schema
clmo-legal-verification	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-loan-application	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
	obclpm_14.1.0.0.0\OBCLPM\Database\midoffice-common\INC	CORE Schema
clmo-maintenance	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-orchestration-services	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-pricing	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-backoffice-integration-services	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	
clmo-verification	obclpm_14.1.0.0.0\OBCLPM\Database\SMS\INC	SMS Schema
	obclpm_14.1.0.0.0\CommonInfra\Database\INC	OBCLPM Schema
	obclpm_14.1.0.0.0\OBCLPM\Database\INC	

3. OBCLPM Domains Configuration

3.1 Prerequisites

1. Machine should have Java JDK1.8.0_171 has installed.
2. Oracle Fusion Middleware 12cR2 12.2.1.3 has to be installed on the machine.
[Note: Before proceeding with below steps complete Plato installation guided.]
3. Steps for creating all OBCLPM domains, properties like port numbers, names will be changing based on the domain. Screenshots provided for such deviations. Domain creation process remains the same.

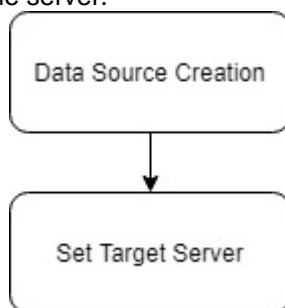
3.1.1 OBCLPM Domain Creation

It is recommended to have different domain for OBCLPM application. For Creating Domain and Configuration please refer to Oracle Banking Corporate Lending Process Management- ANNEXURE “**How to create and Cluster Configuration**”.

4. Data Sources Creation

4.1 Prerequisite

Database setup for OBCLPM has to be performed prior to deployment setup. The data sources for the respective micro-services must be created first before the application deployment. Each of the data source target to their corresponding servers on which the application will be deployed. The following sections explain the list of data sources required to be created for OBCLPM services and the steps to configure them in the server.



4.2 Data Sources List

The table below lists the data sources to be created on each domain prior to deployment of applications into the servers.

Service Name	Data source Name	Data source JNDI	Targets
clmo-application-category	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-application-transaction	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-handoff	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-legal-verification	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-loan-application	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-maintenance	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-orchestration-services	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
clmo-pricing	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	
	PLATO	jdbc/PLATO	OBCLPM Server

clmo-backoffice-integration-services	OBCLPM	jdbc/OBCLPM	
clmo-verification	PLATO	jdbc/PLATO	OBCLPM Server
	OBCLPM	jdbc/OBCLPM	

The steps to create a data source in WebLogic server is same for all the above except for the connection details and names. Check the screenshots in the next section to understand the steps for data source creation.

4.3 Steps to Create Data Source

[Note: Name need not to be same as provided in Screenshot.]
Steps for creating data source is given below.

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

Summary of Servers

Configuration Control

A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration.
This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table

Servers (Filtered - More Columns Exist)
Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

New Clone Delete Showing 1 to 5 of 5 Previous | Next

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured			RUNNING	OK	7001
WLS_CONFIG	Configured	config_cluster	platoinfra_Machine	RUNNING	OK	7004
WLS_DISCOVERY	Configured	discovery_cluster	platoinfra_Machine	RUNNING	OK	7003
WLS_GATEWAY	Configured	gateway_cluster	platoinfra_Machine	RUNNING	OK	7006
WLS_ZIPKINUI	Configured	zipkinui_cluster	platoinfra_Machine	RUNNING	OK	7005

New Clone Delete Showing 1 to 5 of 5 Previous | Next

2. 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)

	Type	JNDI Name	Targets
There are no items to display			

New | Delete

- Generic Data Source
- GridLink Data Source
- Multi Data Source
- Proxy Data Source
- UCP Data Source

3. 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

4. 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

5. Uncheck support for Global Transactions

Create a New JDBC Data Source

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 can participate in the global transaction.

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

6. 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

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:

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:

7. Select targets to deploy data source.

Create a New JDBC Data Source

Back | Next | Finish | Cancel

Select Targets

You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source

Servers
<input type="checkbox"/> AdminServer

Clusters
<input checked="" type="checkbox"/> config_cluster <ul style="list-style-type: none"><input type="radio"/> All servers in the cluster<input checked="" type="radio"/> Part of the cluster<ul style="list-style-type: none"><input checked="" type="checkbox"/> WLS_CONFIG
<input checked="" type="checkbox"/> discovery_cluster <ul style="list-style-type: none"><input type="radio"/> All servers in the cluster<input checked="" type="radio"/> Part of the cluster<ul style="list-style-type: none"><input checked="" type="checkbox"/> WLS_DISCOVERY
<input type="checkbox"/> gateway_cluster <ul style="list-style-type: none"><input type="radio"/> All servers in the cluster<input type="radio"/> Part of the cluster<ul style="list-style-type: none"><input type="checkbox"/> WLS_GATEWAY
<input type="checkbox"/> zipkinui_cluster <ul style="list-style-type: none"><input type="radio"/> All servers in the cluster<input type="radio"/> Part of the cluster<ul style="list-style-type: none"><input type="checkbox"/> WLS_ZIPKINUI

Back | Next | Finish | Cancel

8. 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

Name	Type	JNDI Name	Targets
PLATO	Generic	jdbc/PLATO	WLS_CONFIG, WLS_DISCOVERY

New Delete Showing 1 to 1 of 1 Previous | Next

9. Activate changes after confirming details.

Change Center

View changes and restarts

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

Domain Structure

platoinfra_domain

- Domain Partitions

Home Log Out Preferences Record Help

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 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.

Change Center

View changes and restarts

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

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

- How do I...**
- Create JDBC generic data sources
 - Create JDBC GridLink data sources

Home Log Out Preferences Record Help

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

Messages

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)

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

New Delete

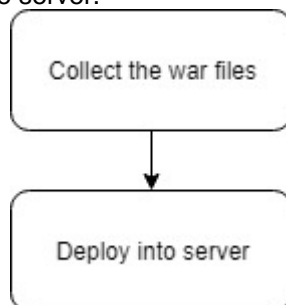
Name	Type	JNDI Name	Targets
PLATO	Generic	jdbc/PLATO	WLS_CONFIG, WLS_DISCOVERY

New Delete

5. Deployments

5.1 Prerequisite

The database setup and data sources creation have to be performed prior to the application deployment stage. Each of the services corresponds to a specific war file that needs to be deployed into the server. The following sections explain the list of war files of the OBCLPM application and the steps to deploy them into the server.



5.2 Deployments List

The below table give details of the deployments required on each domain for the OBCLPM application to run. The **OSDC path** gives the location where the war file is present for the service. Deploy one after the other in the same given order.

Application	Archive name	OSDC path	Targets
CLMO Application Category	clmo-application-category-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-application-category	OBCLPM Server
CLMO Application Transaction	clmo-application-transaction-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-application-transaction	OBCLPM Server
CLMO Handoff	clmo-handoff-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-handoff-services	OBCLPM Server
CLMO Legal Verification	clmo-legal-verification-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-legal-verification	OBCLPM Server
CLMO Loan Application	clmo-loan-application-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-loanapplication	OBCLPM Server
CLMO Maintenance	clmo-maintenance-services-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-maintenance-services	OBCLPM Server
CLMO Orchestration Services	clmo-orchestration-services-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-orchestration-services	OBCLPM Server
CLMO Pricing	clmo-pricing-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-pricing	OBCLPM Server
CLMO BackOffice Integration	clmo-backoffice-integration-services-1.0.0.war	{ unzip the file } obclpm_14.1.0.0\OBCLPM\App\clmo-backoffice-integration-services	OBCLPM Server

CLMO Verification	clmo-verification-1.0.0.war	{unzip the file} obclpm_14.1.0.0\OBCLPM\App\clmo-verification	OBCLPM Server
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5.3 Steps to Deploy as Application

Steps to Deploy archives as an application on weblogic server is same for all the above except for managed server and domain where the deployment will differ. The following are the screenshots to see how the deployment of an archive as an application is accomplished on the server.

1. Goto Deployments

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

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 file, click Administration Server.

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 now. This deployment plan archive will be a directory of configuration information packaged as a .jar file. See related links for additional information about deployment plans.

Deployment Plan Archive: Choose File No file chosen

Back Next Finish Cancel

4. After archive is uploaded, click next.

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

How do I...

Home > Summary of Deployments

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 file, click Administration Server.

Deployment Archive: Choose File plato-discov...ce-1.0.0.war

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 now. This deployment plan archive will be a directory of configuration information packaged as a .jar file. See related links for additional information about deployment plans.

Deployment Plan Archive: Choose File No file chosen

Back Next Finish Cancel

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
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

Home > Summary of Deployments

Messages

✓ The file **plato-discovery-service-1.0.0.war** has been **uploaded successfully** to I...

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, ex directory or file in the Path field.

Note: Only valid file paths are displayed below. If you cannot find your deploym

Path: [Redacted]

Recently Used Paths: (none)

Current Location: service-1.0.0.war \ app

plato-discovery-service-1.0.0.war

Back Next Finish Cancel

5. Select option to deploy as application and click next.

Home > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

Choose installation type and scope

Select if the deployment should be installed as an application or library. Also decide the scope of this deployment.

The application and its components will be targeted to the same locations. This is the most common usage.

Install this deployment as an application

Application libraries are deployments that are available for other deployments to share. Libraries should be available on

Install this deployment as a library

Select a scope in which you want to install the deployment.

Scope: Global ▾

Back Next Finish Cancel

6. Select target servers/clusters on which application has to be deployed.

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

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 12:21 PM

- Failed (0)
- Critical (0)
- Overloaded (0)

Back Next Finish Cancel

Select deployment targets

Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets at any time.)

Available targets for plato-discovery-service-1.0.0 :

Servers

- AdminServer

Clusters

- config_cluster
 - All servers in the cluster
 - Part of the cluster
 - WLS_CONFIG
- discovery_cluster
 - All servers in the cluster
 - Part of the cluster
 - WLS_DISCOVERY
- gateway_cluster
 - All servers in the cluster
 - Part of the cluster
 - WLS_GATEWAY
- zipkinui_cluster
 - All servers in the cluster
 - Part of the cluster
 - WLS_ZIPKINUI

Back Next Finish Cancel

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

- latoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan

Home > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

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-1.0.0

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 d
- 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?

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

- latoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

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 12:22 PM

Home > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

Review your choices and click Finish

Click Finish to complete the deployment. This may take a few moments to complete.

Additional Configuration

In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?

- Yes, take me to the deployment's configuration screen.**
- No, I will review the configuration later.**

Summary

Deployment: [redacted] upload/plato-discovery-service-1.0.0.war/app/plato-discovery-service-1.0.0.war

Name: plato-discovery-service-1.0.0

Staging Mode: Use the defaults defined by the chosen targets

Plan Staging Mode: Use the same accessibility as the application

Security Model: DDOnly: Use only roles and policies that are defined in the deployment descriptors.

Scope: Global

Target Summary

Components	Targets
plato-discovery-service-1.0.0	WLS_DISCOVERY

Back Next Finish Cancel

7. Click save and activate changes

Change Center

View changes and restarts

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

Activate Changes

Undo All Changes

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

Home Log Out Preferences Record Help Welcome,

Home > Summary of Deployments > plato-discovery-service-1.0.0

Settings for plato-discovery-service-1.0.0

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

Save

Use this page to view the installed configuration of a Web application.

Name: plato-discovery-service-1.0.0 The name of this application deployment

Scope: Global Specifies if this Web application is access resource group template. [More Info...](#)

Context Root: plato-discovery-service The specific path at which this Web app

View changes and restarts

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

Lock & Edit

Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

Home > Summary of Deployments > plato-discovery-service-1.0.0

Messages

All changes have been activated. No restarts are necessary.

Settings for plato-discovery-service-1.0.0

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

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

Save

Use this page to view the installed configuration of a Web application.

Name: plato-discovery-service-1.0.0

Scope: Global

Context Root: /plato-discovery-service

8. Click deployments and control to changes the state of application from prepared to active, click yes and check that application status has come to Active.

View changes and restarts

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

Lock & Edit

Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments**
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

Home > Summary of Deployments > plato-discovery-service-1.0.0

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-1.0.0	Prepared	OK	Web Application	WLS_DISCOVERY	Global		100

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

9. Select deployment and Click Start all requests

View changes and restarts

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

Lock & Edit

Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments

Summary of Deployments

Configuration **Control** Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can start and stop applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

Customize this table

Deployments

Start Stop Showing 1 to 1 of 1 Previous | Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions
<input type="checkbox"/>	plato-discovery-service-1.0.0	Prepared	OK	Web Application	WLS_DISCOVERY	Global	

Start Stop Showing 1 to 1 of 1 Previous | Next

Home Log Out Preferences Record Help

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments

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-1.0.0

Yes No

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
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

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

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments

Messages

Start requests have been sent to the selected deployments.

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can start and stop applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

Customize this table

Deployments

Start Stop Showing 1 to 1 of 1 Previous Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions
<input checked="" type="checkbox"/>	plato-discovery-service-1.0.0	start Running	OK	Web Application	WLS_DISCOVERY	Global	

Start Stop Showing 1 to 1 of 1 Previous Next

Home Log Out Preferences Record Help

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

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

Customize this table

Deployments

Install Update Delete Showing 1 to 1 of 1 Previous Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input checked="" type="checkbox"/>	plato-discovery-service-1.0.0	Active	OK	Web Application	WLS_DISCOVERY	Global		100

Install Update Delete Showing 1 to 1 of 1 Previous Next

View changes and restarts

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

Lock & Edit

Release Configuration

Domain Structure

platoinfra_domain

- Domain Partitions
- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

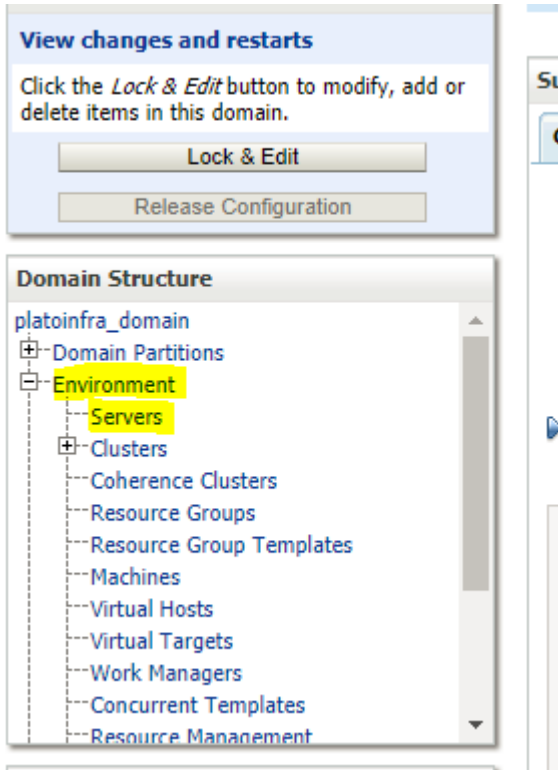
How do I...

6. Restarts and Refresh

Once all the war files are deployed, restart all the managed servers followed by calling the path “/refresh” in order to refresh the configuration properties for all the applications.

6.1 Restarting servers

1. Go to Environment > Servers.



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

The screenshot shows the "Summary of Servers" page in the Oracle WebLogic Server console. The "Control" tab is selected. The page contains a table of servers with the following data:

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured			RUNNING	OK	7001
WLS_CONFIG	Configured	config_cluster	platoinfra_Machine	RUNNING	OK	7004
WLS_DISCOVERY	Configured	discovery_cluster	platoinfra_Machine	RUNNING	OK	7003
WLS_GATEWAY	Configured	gateway_cluster	platoinfra_Machine	RUNNING	OK	7006
WLS_ZIPKINUI	Configured	zipkinui_cluster	platoinfra_Machine	RUNNING	OK	7005

Change Center

View changes and restarts

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

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Resource Groups
 - Resource Group Templates
 - Machines
 - Virtual Hosts
 - Virtual Targets
 - Work Managers
 - Concurrent Templates
 - Resource Management

How do I...

- Start and stop servers
- Start Managed Servers from the Administration Console
- Restart SSL
- Start Managed Servers in Admin mode

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers

Welcome, weblogic | Connected to: platoinfra_domain

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)

Showing 1 to 5 of 5 Previous | Next

Server	When work completes	Machine	State	Status of Last Action
<input type="checkbox"/> AdminServer(admin)	<input type="button" value="Force shutdown now"/>		RUNNING	None
<input checked="" type="checkbox"/> WLS_CONFIG		platoinfra_Machine	RUNNING	TASK COMPLETED
<input checked="" type="checkbox"/> WLS_DISCOVERY		platoinfra_Machine	RUNNING	None
<input checked="" type="checkbox"/> WLS_GATEWAY		platoinfra_Machine	RUNNING	TASK COMPLETED
<input checked="" type="checkbox"/> WLS_ZIPKINUI		platoinfra_Machine	RUNNING	TASK COMPLETED

Showing 1 to 5 of 5 Previous | Next

Change Center

View changes and restarts

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

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Resource Groups
 - Resource Group Templates
 - Machines

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers

Server Life Cycle Assistant

Forcibly Shutdown Servers

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

- WLS_DISCOVERY

Click the *Lock & Edit* button to modify, add or delete items in this 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 servers
- Start Managed Servers from the Administration Console
- Restart SSL
- Start Managed Servers in Admin mode

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)

Showing 1 to 5 of 5 Previous | Next

Server	Machine	State	Status of Last Action
<input type="checkbox"/> AdminServer(admin)		RUNNING	None
<input type="checkbox"/> WLS_CONFIG	platoinfra_Machine	RUNNING	TASK COMPLETED
<input checked="" type="checkbox"/> WLS_DISCOVERY	platoinfra_Machine	FORCE_SUSPENDING	TASK IN PROGRESS
<input type="checkbox"/> WLS_GATEWAY	platoinfra_Machine	RUNNING	TASK COMPLETED
<input type="checkbox"/> WLS_ZIPKINUI	platoinfra_Machine	RUNNING	TASK COMPLETED

Showing 1 to 5 of 5 Previous | Next

View changes and restarts
Click the *Lock & Edit* button to modify, add or delete items in this 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...

- Create Managed Servers
- Clone servers
- Delete Managed Servers
- Delete the Administration Server
- Start and stop servers

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers

Summary of Servers
Configuration **Control**

A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration.
This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table
Servers (Filtered - More Columns Exist)
Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured			RUNNING	OK	7001
WLS_CONFIG	Configured	config_cluster	platoinfra_Machine	RUNNING	OK	7004
WLS_DISCOVERY	Configured	discovery_cluster	platoinfra_Machine	SHUTDOWN	Not reachable	7003
WLS_GATEWAY	Configured	gateway_cluster	platoinfra_Machine	RUNNING	OK	7006
WLS_ZIPKINUI	Configured	zipkinui_cluster	platoinfra_Machine	RUNNING	OK	7005

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

View changes and restarts
Click the *Lock & Edit* button to modify, add or delete items in this 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 servers
- Start Managed Servers from the Administration Console
- Restart SSL
- Start Managed Servers in Admin mode

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers

Summary of Servers
Configuration **Control**

Use this page to change the state of the servers in this WebLogic Server domain. Control operations on Managed Servers require starting the Node Manager. Starting Managed Servers in Standby mode requires the domain-wide administration port.

Customize this table
Servers (Filtered - More Columns Exist)
Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
WLS_CONFIG	platoinfra_Machine	RUNNING	TASK COMPLETED
WLS_DISCOVERY	platoinfra_Machine	SHUTDOWN	TASK COMPLETED
WLS_GATEWAY	platoinfra_Machine	RUNNING	TASK COMPLETED
WLS_ZIPKINUI	platoinfra_Machine	RUNNING	TASK COMPLETED

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

Domain Structure
platoinfra_domain
 + Domain Partitions
 - Environment
 + Servers
 - Clusters
 - Coherence Clusters
 - Resource Groups
 - Resource Group Templates

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers

Server Life Cycle Assistant

Start Servers

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

- WLS_DISCOVERY

View changes and restarts

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

Lock & Edit
Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Resource Groups
 - Resource Group Templates
 - Machines
 - Virtual Hosts
 - Virtual Targets
 - Work Managers
 - Concurrent Templates
 - Resource Management

How do I...

- Start and stop servers
- Start Managed Servers from the Administration Console
- Restart SSL
- Start Managed Servers in Admin mode

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > 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 5 of 5 Previous Next

Server	Machine	State	Status of Last Action
AdminServer(admin)		RUNNING	None
WLS_CONFIG	platoinfra_Machine	RUNNING	TASK COMPLETED
WLS_DISCOVERY	platoinfra_Machine	STARTING	TASK IN PROGRESS
WLS_GATEWAY	platoinfra_Machine	RUNNING	TASK COMPLETED
WLS_ZIPKINUI	platoinfra_Machine	RUNNING	TASK COMPLETED

Showing 1 to 5 of 5 Previous Next

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

View changes and restarts

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

Lock & Edit
Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - 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

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers

Summary of Servers

Configuration Control

A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration. This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table

Servers (Filtered - More Columns Exist)

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

New Clone Delete Showing 1 to 5 of 5 Previous Next

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured			RUNNING	✔ OK	7001
WLS_CONFIG	Configured	config_cluster	platoinfra_Machine	RUNNING	✔ OK	7004
WLS_DISCOVERY	Configured	discovery_cluster	platoinfra_Machine	RUNNING	✔ OK	7003
WLS_GATEWAY	Configured	gateway_cluster	platoinfra_Machine	RUNNING	✔ OK	7006
WLS_ZIPKINUI	Configured	zipkinui_cluster	platoinfra_Machine	RUNNING	✔ OK	7005

Showing 1 to 5 of 5 Previous Next

View changes and restarts

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

Lock & Edit
Release Configuration

Domain Structure

- platoinfra_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Install an enterprise application
- Configure an enterprise application

Home > Summary of Deployments > plato-discovery-service-1.0.0 > Summary of Deployments > Summary of Servers > Summary of Deployments

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain. You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page. To install a new application or module for deployment to targets in this domain, click **Install**.

Customize this table

Deployments

Install Update Delete Showing 1 to 1 of 1 Previous Next

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
plato-discovery-service-1.0.0	Active	✔ OK	Web Application	WLS_DISCOVERY	Global		100

Install Update Delete Showing 1 to 1 of 1 Previous Next

7. Logging Area

7.1 Introduction

This part of the document will talk about the logs area where after deployment of OBCLPM Applications in WebLogic server.

7.1.1 Logging Area

OBCLPM Application writes logs in the below area of the server-

<WEBLOGIC_DOMAIN_CONFIG_AREA/servers/OBCLPMAPP/logs/ OBCLPMAPP.out

Let's assume a domain has been created **obclpm_domain** with **managed_server** name called **OBCLPMAPP** in the following area of the server

/scratch/oracle/middleware/user_projects/domains/**obclpm_domain**". Logging area for OBCLPM applications would be

/scratch/oracle/middleware/user_projects/domains/obclpm_domain/servers/OBCLPMAPP/logs/ OBCLPMAPP.out.