Oracle® Banking Trade Finance Process Management

Oracle Banking Trade Finance Services Installation Guide

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Preface

- Purpose
- Audience
- Access to Support
- Organization
- Diversity and Inclusion
- Related Documents
- Conventions
- Acronyms and Abbreviations
- Structure
  This manual is organized into the following chapters:

Purpose

This guide provides the procedure for installation of Oracle Banking Microservices Architecture and related products including database creation and required schemas using the Installer.

> **Note:**
>
> For the exact version to be installed, refer to **Tech Stack** section of **Release Notes**.

Audience

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

Access to Support

Oracle welcomes customers' comments and suggestions on the quality and usefulness of the document. Your feedback is important to us. If you have a query that is not covered in this user guide or if you still need assistance, please contact documentation team.

- Access to Oracle Support

Access to Oracle Support

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Organization

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

Plato	• WebLogic system environment settings • Plato Config Service • Plato Discovery Service • Plato API Gateway Service • Plato UI Config Service • Plato O (Conductor) • Plato Orch Service • Plato Alerts Service
SMS	• Security Management System Core Service
Common Core	• cmc-account-services • cmc-additional-attributes-services • cmc-advice-services • cmc-base-services • cmc-branch-services • cmc-businessoverrides-services • cmc-currency-services • cmc-customer-services • cmc-facilities-service • cmc-obrh-service • cmc-report-services • cmc-settlements-services • cmc-transactioncontroller-services • cmc-opds-services • cmc-genai-services • cmc-nlp-dashboard -widget-services • cmc-nlp-maintenance-services • cmc-nlp-pipeline-services • cmc-nlp-text-extraction-services
Mid Office Common Core	• cmc-applicationcategory-services • cmc-checklist-services

	• cmc-checklistmanagement-services • cmc-comments-services • cmc-document-services • cmc-documentmanagement-services • cmc-earmark-services • cmc-kyccheck-services • cmc-mailnotification-services • cmc-priority-service • cmc-processcode-service • cmc-queue-service • cmc-sequencegenerator-services • cmc-sla-service
OBTFPM	• obtfpm-adapter-services • obtfpm-ai-integration-services • obtfpm-common-datasegments-services • obtfpm-datasegments-management-services • obtfpm-documentarycollections-datasegments-services • obtfpm-drawings-datasegments-services • obtfpm-extsys-replicated-data-provider-services • obtfpm-gateway-services • obtfpm-guarantees-datasegments-services • obtfpm-letterofcredits-datasegments-services • obtfpm-maintenance-services • obtfpm-orchestrator-services • obtfpm-rso-maintenance-services • obtfpm-stage-management-services • obtfpm-template-services • obtfpm-utility-services • obtfpm-shipping-guarantee-services

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve.

Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Documents

For more information, you can refer to the following documents:

- Initial Setup Guide
- Oracle Banking Trade Finance Process Management Pre-Installation Guide

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Acronyms and Abbreviations

The list of the acronyms and abbreviations that are used in this guide are as follows:

Table 1 Acronyms and Abbreviations

Abbreviation	Description
CMC	Common Core
OS	Operating System
SMS	Security Management System
VM	Virtual Machine

Structure

This manual is organized into the following chapters:

- Preface gives information on the intended audience, structure, and related documents for this User Manual.
- The subsequent chapters provide an overview to the module.

1
Database Setup

- Introduction
- Pre-requisite
- Setting the Environment Variable
- Execution of Environment Variable

1.1 Introduction

This document details out the order in which the user should carry on the installation process.

1.2 Pre-requisite

Make sure that the below mentioned schema details are available for the deployment.

	Module	Schema Details
1.	Trade	TFADAPTER
2.	Trade	TFCOMMONDS
3.	Trade	TFDOCCOL
4.	Trade	TFDRAWINGS
5.	Trade	TFDSMGMT
6.	Trade	TFEXTREP
7.	Trade	TFGATEWAY
8.	Trade	TFGUARANTEE
9.	Trade	TFLETTERCREDIT
10.	Trade	TFMAINT
11.	Trade	TFORCH
12.	Trade	TFSTAGEMGMT
13.	Trade	TFTEMPLATE
14.	Trade	TFUTITLITY
15.	Trade	TFSHIPGUARANTEE
16.	Trade	TFGENAI

Make sure that the schema user has the below rights:

	OPERATION					
DB OBJECT	CREATE	ALTER	DROP	INSERT	UPDATE	DELETE
TABLE	Y	Y	N	Y	Y	Y
VIEW	NA	NA	NA	NA	NA	NA
SEQUENCE	Y	Y	Y	NA	NA	NA
PACKAGE	NA	NA	NA	NA	NA	NA
PACKAE BODY	NA	NA	NA	NA	NA	NA
INDEX	Y	Y	Y	NA	NA	NA
SYNONYM	NA	NA	NA	NA	NA	NA
FUNCTION	NA	NA	NA	NA	NA	NA
TRIGGER	NA	NA	NA	NA	NA	NA
TYPE	NA	NA	NA	NA	NA	NA

1.3 Setting the Environment Variable

Following are the details of the environment variables which are required to be available in the weblogic server. Unavailability of any of these variables can result in improper database scripts or service availability.

Modify the environment variables as per the actual server details available in the configuration file located in the OBTFPM_INITIAL_SETUP\Config

Property	Description	Values
Dflyway.domain.locations	Default value	db/migration/domain/sms, db/migration/domain/plato, db/migration/domain/moc, db/migration/domain/cmc, db/migration/domain/obtfpm
Dflyway.domain.schemas	Plato schema Credentials	<PLATO_SCHEMA_NAME>
Dflyway.domain.baselineOnMigrate	Default value	false
Dflyway.domain.placeholderReplacement	Default value	true
Dflyway.domain.db.jdbcUrl	Plato schema - JDBC connection	<PLATO_SCHEMA_JDBC CONNECTION>
Dflyway.domain.db.username	Plato schema Credentials	<PLATO_SCHEMA_NAME>
Dflyway.domain.db.password	Plato schema Credentials	<PLATO_SCHEMA_PWD>
Dflyway.domain.db.driver-class-name	Default value	oracle.jdbc.driver.OracleDriver
Dflyway.domain.ignoreMissingMigrations	Default value	true
Dflyway.domain.outOfOrder	Default value	true
Dflyway.domain.outOfOrder	Plato schema Credentials	<PLATO_SCHEMA_NAME>
Dflyway.domain.placeholders.eureka.host	Discovery server - Host	<NAME_PLATO_DISCOVERY_SERVICE_HOST>

Property	Description	Values
Dflyway.domain.placeholders.eureka.port	Discovery server - Port	<PLATO_DISCOVERY_SERVICE_PORT>
Dflyway.domain.placeholders.platoui.schemas	Plato UI Schema Credentials	<PLATO_UI_SCHEMA>
Dflyway.domain.placeholders.api-gateway.host	Plato API Gateway Host	<PLATO_API_GATEWAY_HOST>
Dflyway.domain.placeholders.api-gateway.port	Plato API Gateway Port	<PLATO_API_GATEWAY_PORT>
Dflyway.domain.placeholders.plato-config.username	Plato schema Credentials	<PLATO_CONFIG_SCHEMA_NAME>
Dflyway.domain.placeholders.plato-config.password	Plato schema Credentials	<PLATO_CONFIG_SCHEMA_PWD>
Dflyway.domain.placeholders.plato-config.jdbcUrl	Plato Config service schema - JDBC connection	<PLATO_CONFIG_DB_CONNECTION>
Dflyway.domain.placeholders.plato-config.url	Plato Config service schema - JDBC connection	<PLATO_CONFIG_DB_CONNECTION>
Dflyway.domain.placeholders.plato-config.url	Default value	oracle.jdbc.OracleDriver
Dflyway.domain.placeholders.zipkin.host	Zipkin Server Host	{"localhost"}
Dflyway.domain.placeholders.zipkin.port	Zipkin Server Credentials	<ZIPKIN_SERVER_PORT> - 8080
Dflyway.domain.placeholders.platoui.username	Plato UI Schema Credentials	<PLATO_UI_SCHEMA>
Dflyway.domain.placeholders.platoui.password	Plato UI Schema Credentials	<PLATO_UI_SCHEMA_PWD>
Dflyway.domain.placeholders.platoui.jdbcUrl	Plato UI service schema - JDBC connection	<PLATO_UI_SCHEMA_DB_CONNECTION>
Dflyway.domain.placeholders.platoui.schemas	Plato UI Schema Credentials	<PLATO_UI_SCHEMA>
Dflyway.domain.placeholders.platoDiscovery-service.server.port	Plato discovery services Port	<PLATO_DISCOVERY_SERVICE_PORT>
Dflyway.domain.placeholders.plato-api-gateway.server.port	Plato API Gateway services Port	<PLATO_API_GATEWAY_PORT>
Dflyway.domain.placeholders.api-gateway.username	Plato API Gateway Services Credential	<PLATO_SECURITY_SCHEMA>
Dflyway.domain.placeholders.api-gateway.password	Plato API Gateway Services Credential	<PLATO_SECURITY_SCHEMA_PWD>
Dflyway.domain.placeholders.api-gateway.jdbcUrl	Plato API Gateway Services - JDBC connection	<PLATO_SECURITY_SCHEMA_DB_CONNECTION>
Dflyway.domain.placeholders.api-gateway.schemas	Plato Security schema Credentials	<PLATO_SECURITY_SCHEMA>
Dflyway.domain.placeholders.plato-orch-service.server.port	Plato Orchestration services Port	<PLATO_ORCH_SERVICE_PORT>
Dflyway.domain.placeholders.plato-ui-config-services.server.port	Plato Ui-Configestration servicess Port	<PLATO_UI_CONFIG_SERVER_PORT>
Dflyway.domain.placeholders.plato-ui-config.username	Plato UI Config services- JDBC connection	<PLATO_UI_SCHEMA>
Dflyway.domain.placeholders.plato-ui-config.password	Plato UI Config services- Credential	<PLATO_UI_SCHEMA_PWD>

Property	Description	Values
Dflyway.domain.placeholders.plato-ui-config.jdbcUrl	Plato UI Config services-Credential	<PLATO_UI_SCHEMA_DB_CONNECTION>
Dflyway.domain.placeholders.plato-ui-config.schemas	Plato UI Schema Credentials	<PLATO_UI_SCHEMA>
Dflyway.domain.placeholders.platoDiscovery-service.server.port	Plato discovery services Port	<PLATO_DISCOVERY_SERVICE_PORT>
Dflyway.domain.placeholders.apigateway.host	Plato API Gateway Service Host	<PLATO_API_GATEWAY_HOST>
Dflyway.domain.placeholders.apigateway.port	Plato API Gateway Service Port	<PLATO_API_GATEWAY_PORT>
Dflyway.domain.placeholders.sms.username	SMS schema Credentials	<SMS_SCHEMA>
Dflyway.domain.placeholders.sms.password	SMS schema Credentials	<SMS_SCHEMA_PWD>
Dflyway.domain.placeholders.sms.url	SMS schema - JDBC Connection	<SMS_SCHEMA_DB_CONNECTION>
Dflyway.domain.placeholders.sms.jdbcUrl	SMS schema - JDBC Connection	<SMS_SCHEMA_DB_CONNECTION>
Dflyway.domain.placeholders.sms-core-services.server.port	SMS Core services Port	<sms-core-services.server.port>
Dflyway.domain.placeholders.sms.schemas	SMS schema Credentials	<SMS_SCHEMA>
Dflyway.domain.placeholders.cmncore.username	Common core Schema Credentials	<COMMONCORE_SCHEMA>
Dflyway.domain.placeholders.cmncore.db.username	Common core Schema Credentials	<COMMONCORE_SCHEMA>
Dflyway.domain.placeholders.cmncore.db.password	Common core Schema Credentials	<COMMONCORE_SCHEMA_PWD>
Dflyway.domain.placeholders.cmncore.db.password	Common core Schema Credentials	<COMMONCORE_SCHEMA_PWD>
Dflyway.domain.placeholders.cmncore.jdbcUrl	Common core Schema - JDBC Connection	<JDBC_CONNCECTION_COMMON_CORE_SCHEMA>
Dflyway.domain.placeholders.cmncore.db.url	Common core Schema - JDBC Connection	<JDBC_CONNCECTION_COMMON_CORE_SCHEMA>
Dflyway.domain.placeholders.cmncore.schemas	Common core Schema Credentials	<COMMONCORE_SCHEMA>
Dflyway.domain.placeholders.cmncore.db.schemas	Common core Schema Credentials	<COMMONCORE_SCHEMA>
Dflyway.domain.placeholders.cmc-account-services.server.port	Common core-cmc account services server port	<cmc-account-services.server.port>
Dflyway.domain.placeholders.cmc-advice-services.server.port	Common core-cmc advice services server port	<cmc-advice-services.server.port>
Dflyway.domain.placeholders.cmc-base-services.server.port	Common core-cmc base services server port	<cmc-base-services.server.port>
Dflyway.domain.placeholders.cmc-branch-services.server.port	Common core-cmc branch services server port	<cmc-branch-services.server.port>
Dflyway.domain.placeholders.cmc-customer-services.server.port	Common core-cmc customer services server port	<cmc-customer-services.server.port>
Dflyway.domain.placeholders.cmc-facilities-services.server.port	Common core-cmc facilities services server port	<cmc-facilities-services.server.port>

Property	Description	Values
Dflyway.domain.placeholders.cmc-settlements-services.server.port	Common core-cmc settlements services server port	<cmc-settlements-services.server.port>
Dflyway.domain.placeholders.cmc-transactioncontroller-services.server.port	Common core-cmc transactioncontroller services server port	<cmc-transactioncontroller-services.server.port>
Dflyway.domain.placeholders.obtfpm.adapter.server.port	OBTFPM - Adaptor service server Credentials	<cmc-transactioncontroller-services.server.port>
Dflyway.domain.placeholders.obtfpm.adapter.schemas	OBTFPM - Adaptor service Schema Credentials	<OBTFPM_ADAPTER_SCHEMA>
Dflyway.domain.placeholders.obtfpm.commonds.server.port	OBTFPM - Common data segment service Server Port	<obtfpm.commonds.server.port>
Dflyway.domain.placeholders.obtfpm.commonds.schemas	OBTFPM - Common data segment service Schema Credentials	<OBTFPM_COMMON_DATASEG_SCHEMA>
Dflyway.domain.placeholders.obtfpm.datasegments.server.port	OBTFPM - Data Segment Management service Server Port	<obtfpm.datasegments.server.port>
Dflyway.domain.placeholders.obtfpm.datasegments.schemas	OBTFPM - Data Segment Management service Server Credentials	<OBTFPM_DATASEGMENT_SCHEMA>
Dflyway.domain.placeholders.midofccmc.schemas	Mid office Services Schema Credentials	<COMMONCORE_SCHEMA>
Dflyway.domain.placeholders.obtfpm.doccollection.server.port	OBTFPM - Documentary collection Service Server Credentials	<obtfpm.doccollection.server.port>
Dflyway.domain.placeholders.obtfpm.doccollection.schemas	OBTFPM - Documentary collection Service Schema Credentials	<OBTFPM_DOCUMENTARY_COLLECTION_SCHEMA>
Dflyway.domain.placeholders.obtfpm.drawings.server.port	OBTFPM - Drawings service Server Credentials	<obtfpm.drawings.server.port>
Dflyway.domain.placeholders.obtfpm.drawings.schemas	OBTFPM - Drawings service Schema Credentials	<OBTFPM_DRAWINGS_DATASEG_SCHEMA>
Dflyway.domain.placeholders.obtfpm.extsys.server.port	OBTFPM - External system replication services Server Credentials	<obtfpm.extsys.server.port>
Dflyway.domain.placeholders.obtfpm.extsys.schemas	OBTFPM - External system replication services Schema Credentials	<OBTFPM_EXTSYS_SCHEMA>
Dflyway.domain.placeholders.obtfpm.gateway.server.port	OBTFPM - Gateway services Server Credentials	<obtfpm.gateway.server.port>
Dflyway.domain.placeholders.obtfpm.gateway.schemas	OBTFPM - Gateway services Schema Credentials	<OBTFPM_GATEWAY_SCHEMA>
Dflyway.domain.placeholders.obtfpm.guarantees.server.port	OBTFPM - Guarantee services Server Credentials	<obtfpm.guarantees.server.port>
Dflyway.domain.placeholders.obtfpm.guarantees.schemas	OBTFPM - Guarantee services Schema Credentials	<OBTFPM_GUARANTEES_DATASEG_SCHEMA>
Dflyway.domain.placeholders.obtfpm.letterofcredit.server.port	OBTFPM - Letter of credit services Server Credentials	<obtfpm.letterofcredit.server.port>
Dflyway.domain.placeholders.obtfpm.letterofcredit.schemas	OBTFPM - Letter of credit services Schema Credentials	<OBTFPM_LETTER_OF_CREDIT_SCHEMA>
Dflyway.domain.placeholders.obtfpm.maintenance.server.port	OBTFPM - Maintenance services Server Credentials	<obtfpm.maintenance.server.port>

Property	Description	Values
Dflyway.domain.placeholders.obtfpm.maintenance.schemas	OBTFPM - Maintenance services Schema Credentials	<OBTFPM_MAINTENANCE_SCHEMA>
Dflyway.domain.placeholders.obtfpm.orchestrator.server.port	OBTFPM - Orchestrator services Server Credentials	<obtfpm.orchestrator.server.port>
Dflyway.domain.placeholders.obtfpm.orchestrator.schemas	OBTFPM - Orchestrator services Schema Credentials	<OBTFPM_ORCHESTRATOR_SCHEMA>
Dflyway.domain.placeholders.obtfpm.rso.maintenance.server.port	RSO services Server Credentials	<obtfpm.rso.server.port>
Dflyway.domain.placeholders.obtfpm.rso.maintenance.schemas	RSO services Server Credentials	<OBTFPM_RSO_SCHEMA>
Dflyway.domain.placeholders.obtfpm.ai.integration.server.port	AI services Server Credentials	<obtfpm.ai.integration.server.port>
Dflyway.domain.placeholders.obtfpm.ai.integration.schema	AI services Server Credentials	<OBTFPM_AI_INTEGRATION_SCHEMA>
Dflyway.domain.placeholders.obtfpm.stagemanagement.server.port	OBTFPM - Stagemanagement Services Server Credentials	<obtfpm.stagemanagement.server.port>
Dflyway.domain.placeholders.obtfpm.stagemanagement.schemas	OBTFPM - Stagemanagement Services Schema Credentials	<OBTFPM_STAGE_MANAGEMENT_SCHEMA>
Dflyway.domain.placeholders.obtfpm.template.server.port	OBTFPM - Template services Server Credentials	<obtfpm.template.server.port>
Dflyway.domain.placeholders.obtfpm.template.schemas	OBTFPM - Template services Schema Credentials	<OBTFPM_TEMPLATE_SCHEMA>
Dflyway.domain.placeholders.obtfpm.utility.server.port	OBTFPM - Utility Services Server Credentials	<obtfpm.utility.server.port>
Dflyway.domain.placeholders.obtfpm.utility.schemas	OBTFPM - Utility Services Schema Credentials	<OBTFPM_UTILITY_SERVICE_SCHEMA>
Dflyway.domain.placeholders.moc.cmc-earmark-services.server.port	MIDOFFICE- cmc earmark services Server Credentials	<moc.cmc-earmark-services.server.port>
Dflyway.domain.placeholders.ELCM_HTTP_URL	ELCM Gateway service -URL	<ELCM_SERVER_HTTP_URL>
Dflyway.domain.placeholders.earmark-services	Earmark service Version	<EARMARK_SERVICE_VERSION> {14.3}
Dflyway.domain.placeholders.elcmProduct	ELCM Product Name	ELCM
Dflyway.domain.placeholders.moc.cmc-comments-services.server.port	MIDOFFICE - cmc comments services Server Credentials	<moc.cmc-comments-services.server.port>
Dflyway.domain.placeholders.moc.cmcDocument-services.server.port	MIDOFFICE - cmcDocument services Server Credentials	<moc.cmcDocument-services.server.port>
Dflyway.domain.placeholders.dmsServiceUrl	DMS service URL	<DMS_SERVICE_URL>
Dflyway.domain.placeholders.dmsServiceUsrname	DMS service Credentials	<DMS_SERVICE_USERNAME>
Dflyway.domain.placeholders.dmsServicePwd	DMS service Credentials	<DMS_SERVICE_PASSWORD>
Dflyway.domain.placeholders.cmc-applicationcategory-services.server.port	Common core-cmc applicationcategory services Server Credentials	<cmc-applicationcategory-services.server.port>

Property	Description	Values
Dflyway.domain.placeholders.cmc-checklistmanagement-services.server.port	Common core-cmc checklistmanagement services Server Credentials	<cmc-checklistmanagement-services.server.port>
Dflyway.domain.placeholders.cmc-checklist-services.server.port	Common core-cmc checklist services Server Credentials	<cmc-checklist-services.server.port>
Dflyway.domain.placeholders.cmc-mailnotification.server.port	Common core-cmc mailnotification Server Credentials	<cmc-mailnotification.server.port>
Dflyway.domain.placeholders.cmc-kyccheck.server.port	Common core-cmc kyccheck Server Credentials	<cmc-kyccheck.server.port>
Dflyway.domain.placeholders.server.port	MIDOFFICE - Server Credentials	<MIDOFFICE_SERVICES_PORT_NO>
Dflyway.domain.placeholders.plato-feed-services.feed.upload.directory	Plato Feed services - Upload Directory (valid directory in the plato server)	<PLATO_FEED_SERVICES_UPLOAD_DIRECTORY>{/upload}
Dflyway.domain.placeholders.plato-feed-services.server.port	PLATO feed services server port	<plato-feed-services.server.port> {8080)
Dflyway.domain.placeholders.plato-feed-services.username	Plato schema Credentials	<PLATO_SCHEMA>
Dflyway.domain.placeholders.plato-feed-services.password	Plato schema Credentials	<PLATO_SCHEMA_PWD>
Dflyway.domain.placeholders.plato-feed-services.jdbcUrl	Plato schema - JDBC connection	<PLATO_SCHEMA_JDBC CONNECTION>
Dflyway.domain.placeholders.plato-feed-services.schemas	Plato schema Credentials	<PLATO_SCHEMA>
Dflyway.domain.placeholders.plato-batch-server.server.port	PLATO batch server server Credentials	<plato-batch-server.server.port> {8080}
Dflyway.domain.placeholders.plato.eventhub.broker.hosts	PLATO Event Hub Broker Host	<PLATO_EVENTHUB_BROKER_HOSTS> {localhost}
Dflyway.domain.placeholders.plato.eventhub.zookeper.hosts	PLATO Event Hub ZOOKEPER Host	<PLATO_EVENTHUB_ZOOKEPER_HOSTS> {localhost}
Dflyway.domain.placeholders.plato-batch-server.username	Plato schema Credentials	<PLATO_SCHEMA>
Dflyway.domain.placeholders.plato-batch-server.password	Plato schema Credentials	<PLATO_SCHEMA_PWD>
Dflyway.domain.placeholders.plato-batch-server.jdbcUrl	Plato schema - JDBC connection	<PLATO_SCHEMA_JDBC CONNECTION>
Dflyway.domain.placeholders.plato-batch-server.schemas	Plato schema Credentials	<PLATO_SCHEMA>
Dflyway.domain.placeholders.plato-alerts-management-services.server.port	PLATO alerts management services server Port	<plato-alerts-management-services.server.port> {8080}
Dflyway.domain.placeholders.plato-alerts-management-services.username	Plato schema Credentials	<PLATO_SCHEMA>
Dflyway.domain.placeholders.plato-alerts-management-services.password	Plato schema Credentials	<PLATO_SCHEMA_PWD>
Dflyway.domain.placeholders.plato-alerts-management-services.jdbcUrl	Plato schema - JDBC connection	<PLATO_SCHEMA_JDBC CONNECTION>

Property	Description	Values
Dflyway.domain.placeholders.plato-alerts-management-services.schemas	Plato schema Credentials	<PLATO_SCHEMA>
Dflyway.domain.placeholders.cmc-corebanking-adapter-service.server.port	Common core-cmc corebanking adapter service server Port	<cmc-corebanking-adapter-service.server.port> {8080}
Dflyway.domain.placeholders.rabbitmq.password	RABBITMQ Credentials	<RABBITMQ_PASSWORD> {"RAbBITMQ"}
Dflyway.domain.placeholders.rabbitmq.userid	RABBITMQ Credentials	<RABBITMQ_USERNAME> {"RAbBITMQ"}
Dflyway.domain.placeholders.rabbitmq.port	RABBITMQ port	<rabbitmq.port> {8090}
Dflyway.domain.placeholders.rabbitmq.host	RABBITMQ Host Name	<RABBITMQ_HOSTNAME> {localhost}
Dflyway.domain.placeholders.cmc-currency-services.server.port	Common core-cmc currency services server Port	<cmc-currency-services.server.port>
Dflyway.domain.placeholders.cmc-businessoverrides-services.server.port	Common core-cmc businessoverrides services server - Port	<cmc-businessoverrides-services.server.port>
Dflyway.domain.placeholders.cmcDatasegment-services.server.port	Common core-cmcDatasegment services server - Port	<cmcDatasegment-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-external-chart-account-services.server.port	Common core-cmc external chart account services server - Port	<cmc-external-chart-account-services.server.port> {8091}
Dflyway.domain.placeholders.cmc-external-system-services.server.port	Common core-cmc external system services server - Port	<cmc-external-system-services.server.port> {8080}
Dflyway.domain.placeholders.cmc-external-virtual-account-services.server.port	Common core-cmc external virtual account services server - Port	<cmc-external-virtual-account-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-report-services.server.port	Common core-cmc report services server credentials	<cmc-report-services.server.port>
Dflyway.domain.placeholders.weblogic.userid	Weblogic server credentials	<WEBLOGIC_USERNAME> {weblogic server where cmc-report-service is deployed}
Dflyway.domain.placeholders.weblogic.password	Weblogic server credentials	<WEBLOGIC_PASSWORD> {weblogic server password where cmc-report-service is deploed}
Dflyway.domain.placeholders.runReportTemplate	Report path in the server where the cmc-report-service is deployed	templates/12.3/RunReport.vm
Dflyway.domain.placeholders.emailTemplate	Report path in the server where the cmc-report-service is deployed	templates/12.3/BIPEMail.vm
Dflyway.domain.placeholders.dms.host	DMS server Host	<DMS_SERVICE_HOSTNAME>
Dflyway.domain.placeholders.dms.port	DMS server Port	<DMS_SERVICE_PORT_NO>
Dflyway.domain.placeholders.biPublisher.port	BIPUBLISHER server Port	BIP server Port

Property	Description	Values
Dflyway.domain.placeholders.biPublisher.host	BIPUBLISHER server Host	BIP server Host
Dflyway.domain.placeholders.cmc-resource-segment-orchestrator-service.server.port	Common core-cmc resource segment orchestrator service server port	<cmc-resource-segment-orchestrator-service.server.port>{8080}
Dflyway.domain.placeholders.cmc-screenclass-services.server.port	Common core-cmc screenclass services server port	<cmc-screenclass-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-txn-code-services.server.port	Common core-cmc txn code services server port	<cmc-txn-code-services.server.port> {8080}
Dflyway.domain.placeholders.cmc-nlp-annotator-services.server.port	Common core-cmc nlp annotator services server port	<cmc-nlp-annotator-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-nlpDashboard-widget-services.server.port	Common core-cmc nlpDashboard widget services server port	<cmc-nlpDashboard-widget-services.server.port> {8080}
Dflyway.domain.placeholders.cmc-nlp-model-mngmnt-services.server.port	Common core-cmc nlp model mngmnt services server port	<cmc-nlp-model-mngmnt-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-nlp-online-processing-services.server.port	Common core-cmc nlp online processing services server port	<cmc-nlp-online-processing-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-nlp-tag-maint-services.server.port	Common core-cmc nlp tag maint services server port	<cmc-nlp-tag-maint-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-nlp-text-extraction-services.server.port	Common core-cmc nlp text extraction services server port	<cmc-nlp-text-extraction-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-nlp-txn-log-services.server.port	Common core-cmc nlp txn log services server port	<cmc-nlp-txn-log-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-nlp-util-services.server.port	Common core-cmc nlp util services server port	<cmc-nlp-util-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.server.port	Common core-cmc fc ai ml services server port	<cmc-fc-ai-ml-services.server.port>{8080}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.postingPath	Common core-CMC FC AI ML POSTING PATH	<CMC_FC_AI_ML_POSTING_PATH> {Valid path}{/ml-posting-path}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.pollingEmail	Common core-CMC FC AI ML POLLING EMAIL	<CMC_FC_AI_ML_POLLING_EMAIL> {valid mail id}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.emailServerPort	Common core-cmc fc ai ml services emailServerPort	<cmc-fc-ai-ml-services.emailServerPort> {8080}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.emailServerHost	Common core-CMC FC AI ML EMAIL SERVER HOST	<CMC_FC_AI_ML_EMAIL_SERVER_HOST> {localhost}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.pollingFrequency	Common core-CMC FC AI ML POLLING FREQUENCY	<CMC_FC_AI_ML_POLLING_FREQUENCY> {1}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.pollerInitialDelay	Common core-CMC FC AI ML POLLER INITIAL DELAY	<CMC_FC_AI_ML_POLLER_INITIAL_DELAY> {1000}

Property	Description	Values
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.emailPassword	Common core-CMC FC AI ML EMAIL PASSWORD	<CMC_FC_AI_ML_EMAIL_PASSWORD> {encrypted pwd} {P@$$w0rd}
Dflyway.domain.placeholders.cmc-fc-ai-ml-services.pollingPath	Common core-CMC FC AI ML POLLING PATH	<CMC_FC_AI_ML_POLLING_PATH> {valid unix path}{/ml-posting-ath}
Dflyway.domain.placeholders.USER.STORE	LDAP User Store	<LDAP_USER_STORE>
Dflyway.domain.placeholders.LDAP.CORS.allowed.origin	LDAP CORS ALLOWED ORIGIN IP	<LDAP_CORS_ALLOWED_ORIGIN_IP>
Dflyway.domain.placeholders.LDAP.credential.SALT	LDAP CREDENTIAL SALT	<LDAP_CREDENTIAL_SALT>
Dflyway.domain.placeholders.JWT.EXPIRY.seconds	JWT EXPIRTY IN SECONDS	<JWT_EXPIRTY_IN_SECONDS>
Dflyway.domain.placeholders.LDAP.url	LDAP Connection URL	<LDAP_CONNECTION_URL>
Dflyway.domain.placeholders.LDAP.userId	LDAP USER Credentials	<LDAP_USER_ID>
Dflyway.domain.placeholders.LDAP.server.base	LDAP SERVER BASE	<LDAP_SERVER_BASE>
Dflyway.domain.placeholders.LDAP.server.credential	LDAP SERVER Credentials ENCRYPTED	<LDAP_SERVER_CREDENTAILS_ENCRYPTED>
Dflyway.domain.placeholders.LDAP.usersearch.base	LDAP user search base	dc=oracle,dc=com
Dflyway.domain.placeholders.LDAP.user.prefix	LDAP user prefix	uid
Dflyway.domain.placeholders.LDAP.provider	LDAP provider	LDAP
Dflyway.domain.placeholders.TOKEN.autoregenerate	Token crendentials	false
Dflyway.domain.placeholders.SSO.enabled	SSO enabled	false
Dflyway.domain.placeholders.TOKEN.regeneration.enabled	Token crendentials	false
Dflyway.domain.placeholders.cmc-batch-services.server.port	Common core-cmc batch services server credentials	<cmc-batch-services.server.port>{8080}
Dflyway.domain.placeholders.plato-config.sessionIdleTimeout	PLATO- session Idle Timeout	<PLATO_CONFIG_SESSION_IDLE_TIMEOUT>
Dflyway.domain.placeholders.plato-config.sessionIdleWarningTime	PLATO- session Idle Warning Time	<PLATO_CONFIG_SESSION_IDLE_WARNING_TIMEOUT>
Dflyway.domain.placeholders.plato-config.environment	PLATO- Config environment	<PLATO_CONFIG_ENVIRONMENT>
Dflyway.domain.placeholders.cmc-obrh-services.server.port	OBRH services Port	< cmc-obrh-services.server.port>{7008}
Dflyway.domain.placeholders.cmc-obrh-services.server.port	OBRH service schema - JDBC connection	<COMMONCORE_SCHEMA_JDBC CONNECTION> jdbc/CMNCORE

1.4 Execution of Environment Variable

Change the environment variable configuration and follow the below steps:.

- Plato Config Service Startup Parametrization
- Domain Server Parameterization
  This topic provides systematic instruction for Domain Server Parameterization.

1.4.1 Plato Config Service Startup Parametrization

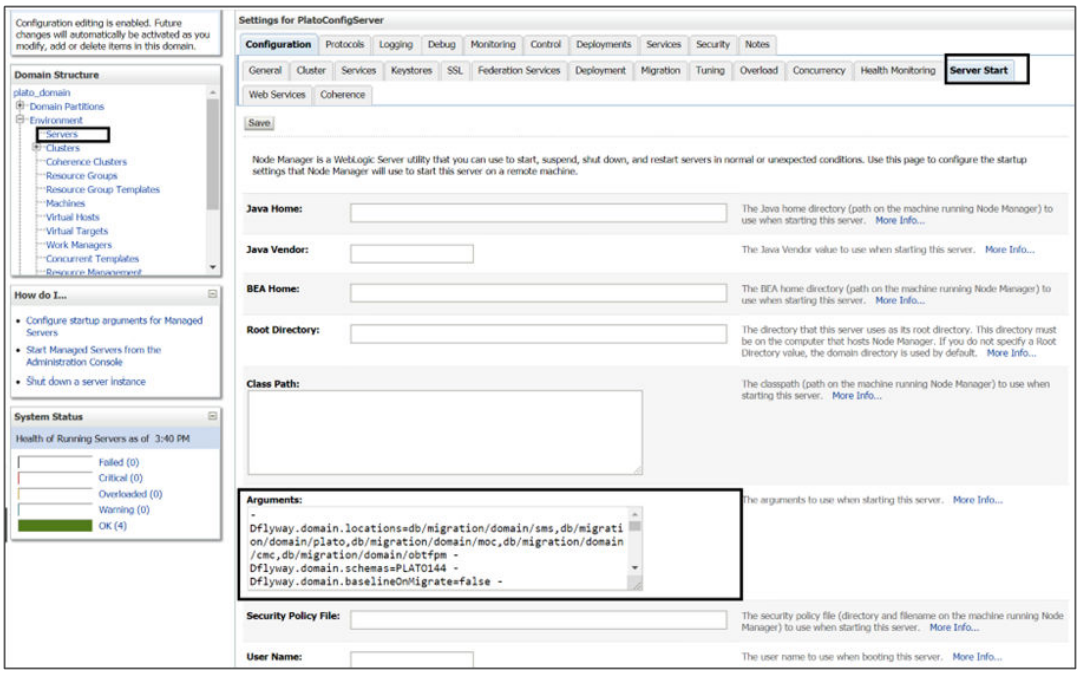
- Plato Services Deployment
  This topic provides systematic instruction for plato services deployment.

1.4.1.1 Plato Services Deployment

This topic provides systematic instruction for plato services deployment.

1. Create a managed server for plato-Config service and set the service startup parameter.
2. Deploy the other plato services in another managed server. (both plato services and plato config services should not be deployed in the same managed server).

   Follow the below steps to deploy the other plato services:
3. Login to the weblogic server console
4. Select servers in the “Domain Structure” section.
5. Select the managed server (managed server where the plato_config service got deployed).
6. Go to Configuration.
7. Go to “Server Start” section.
8. Go to Arguments section and update the plato config service parameter as available in the OSDC path OBTFPM_INITIAL_SETUP\Config



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1.4.2 Domain Server Parameterization

This topic provides systematic instruction for Domain Server Parameterization.

The below domain server parametrization should be done for all the domain servers which are created in the server where the micro services are going to be deployed.

1. Go to the weblogic installation path (FMW installation path) in the Weblogic server where the plato, sms, common core, mid office core and OBTFPM services are installed.
2. Go to location : Middleware/Oracle_Home/user_projects/domains/plato_domain/bin.
3. Modify the setDomainEnv.sh file and add the JAVA_OPTIONS parameter as explained below:

   WLS_MEM_ARGS_64BIT="-Xms2048m –Xmx12288m"

   export WLS_MEM_ARGS_64BIT

   JAVA_OPTIONS="${JAVA_OPTIONS} -DflywayTask=migrate -Dflyway.enabled=true -Dspring.flyway.enabled=true -Dplato.services.config.uri=http://whf00ixg.in.oracle.com:7005 -Dplato.service.logging.path=/scratch/Oracle/Middleware/Oracle_Home/user_projects/domains/plato_domain/logs -Dplato.service.env=OSDC "

   export JAVA_OPTIONS

> **Note:**
>
> a. The above domain server parameterization is not required for the domain where the plato config server is deployed.
>
> b. The Memory argument parameter needs to be changed based on the service deployment and transaction volume.
>
> c. In case the Operating system is 32 bit server, it is required to update the variable WLS_MEM_ARGS_32BIT

2

Domain and Cluster Configuration

- Common Core Domain Configuration

2.1 Common Core Domain Configuration

- Pre-requisites
- Steps to Create Domain

2.1.1 Pre-requisites

Following are the prerequisites of the Domain and Cluster Configuration.

- Machine should have Java JDK11.0.16.1 has installed.
- Oracle Fusion Middleware 14.1.1.0.0 has to be installed on the machine.

2.1.2 Steps to Create Domain

It is recommended to have different managed server in one domain for each application. For Creating Domain and Configuration refer to Configuration and Deployment User Guide' section **“How to create and Cluster Configuration”**.

3
Data Sources Creation

- Pre-requisites
- Data Sources List
- Creating Data Source
- Checking JNDI Access for Server
  This topic provides systematic instruction for Checking JNDI Access for Server.

3.1 Pre-requisites

Database and application setup for PLATO has to be performed prior to deployment setup.

3.2 Data Sources List

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

Data Source Name	Data source JNDI	Targets
PLATO	jdbc/PLATO	OBTFPM
PLATO Security	jdbc/PLATO_SECURITY	OBTFPM
Plato UI Config	jdbc/PLATO_UI_CONFIG	OBTFPM
SMS	jdbc/sms	OBTFPM
CMNCORE	jdbc/CMNCORE	OBTFPM
MIDOFFICE COMMON CORE	jdbc/MIDOFFICECORE	OBTFPM
obtfpm-adapter-services	jdbc/OBTFPMADAPTER	OBTFPM
obtfpm-ai-integration-services	jdbc/OBTFPMGENAI	OBTFPM
obtfpm-common-datasegments-services	jdbc/OBTFPMCOMMONDS	OBTFPM
obtfpm-datasegments-management-services	jdbc/OBTFPMDSMGMT	OBTFPM
obtfpm-documentarycollections-datasegments-services	jdbc/OBTFPMDOCCOLLECTDS	OBTFPM
obtfpm-drawings-datasegments-services	jdbc/OBTFPMDRAWINGSDS	OBTFPM
obtfpm-extsys-replicated-data-provider-services	jdbc/OBTFPMEXTSYSREPDATA	OBTFPM
obtfpm-gateway-services	jdbc/OBTFPMGW	OBTFPM
obtfpm-guarantees-datasegments-services	jdbc/OBTFPMGUARANTEEDS	OBTFPM
obtfpm-letterofcredits-datasegments-services	jdbc/ OBTFPMLETTERCREDITDS	OBTFPM
obtfpm-maintenance-services	jdbc/ OBTFPMMOMAINTENANCE	OBTFPM
obtfpm-orchestrator-services	jdbc/OBTFPMORCHESTRATOR	OBTFPM

Data Source Name	Data source JNDI	Targets
obtfpm-rso-maintenance-services	jdbc/ OBTFPMRSOMAINTENANCE	OBTFPM
obtfpm-stage-management-services	jdbc/ OBTFPMSTAGEMANAGEMNT	OBTFPM
obtfpm-template-services	jdbc/OBTFPMTEMPLATE	OBTFPM
obtfpm-utility-services	jdbc/OBTFPMUTILITY	OBTFPM
obtfpm-shipping-guarantee-services	jdbc/OBTFPMSHIPPINGTEEDS	OBTFPM

Note:

In case the above data sources are already mapped to the same managed server, ignore the applicable steps.

3.3 Creating Data Source

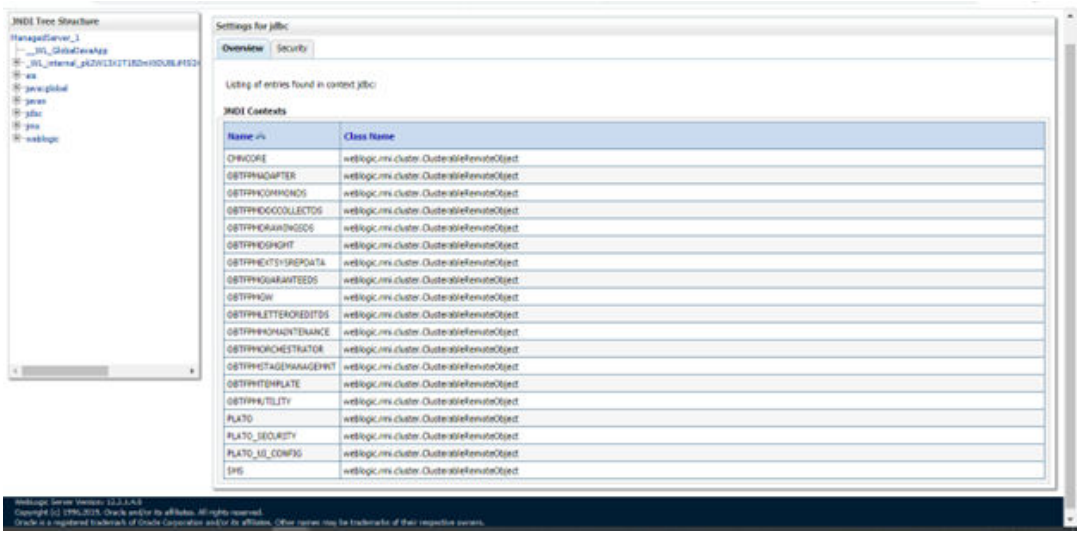
For creating data source, refer 'Configuration and Deployment User Guide' section **“How to Data sources”**.

3.4 Checking JNDI Access for Server

This topic provides systematic instruction for Checking JNDI Access for Server.

To make sure that the services are deployed, do the following steps:

1. Open weblogic.
2. On Weblogic screen, go to **Environment** and then click **Servers** on the left side of the Console.
3. Go to **Configuration** then **General** and then select **View JNDI Tree**
4. Select **jdbc** which displays the following screen and make sure that the data source (JNDI) name are available.



All these data sources must be listed here (also MIDOFFICECORE if it is a separate schema) under JNDI Contexts.

4
Deployments

- Pre-requisite
- Deployments List
- Steps to Deploy as Application

4.1 Pre-requisite

Before you proceed with below, make sure previous steps are completed.

4.2 Deployments List

- Plato Services Deployment
- SMS Services Deployment
- Plato Orchestration Service Deployment
- Common Core Services Deployment
- Mid Office Common Services Deployment
- OBTFPM Services Deployment
- OBTFPM – OBRH Configuration Deployment

4.2.1 Plato Services Deployment

Below table give details of the deployments required for the Plato application to run. Deploy one after other in the same given order.

Refer the Plato Infrastructure Services Installation Document to install the services.

Application	Archive name	OSDC path	Targets
plato-config-service	plato-config-service-9.5.0.war	{unzip the file} PLATO\plato-config-service\	Config Server
plato-discovery-service	plato-discovery-service-9.5.0.war	{unzip the file} PLATO\plato-discovery-service\	Discovery Server
Plato-api-gateway	plato-api-gateway-9.5.0.war	{unzip the file} PLATO\plato-api-gateway\	Api Gateway
Plato-ui-config-service	Plato-ui-config-service-9.5.0.war	{unzip the file} PLATO\plato-ui-config-service\	Plato UI Config

4.2.2 SMS Services Deployment

Below table give details of the deployments required for the SMS application to run.

Refer the Security Management System Services Installation Guide to install the services.

Application	Archive name	OSDC path
sms-core-services	sms-core-services-9.5.0.war	<<Base Path>>\SMS\sms-core-services

4.2.3 Plato Orchestration Service Deployment

Below table give details of the deployments required for the Plato Orchestration application to run.

Refer the Plato Infrastructure Services Installation Document to install the services.

Application	Archive name	OSDC path	Targets
Plato-Orch-Service	Plato-Orch-Service-9.5.0.war	{unzip the file} PLATO\plato-orch-service\	Plato-Orch-Service

4.2.4 Common Core Services Deployment

Below table give details of the deployments required for the Common Core application to run. Deploy one after other in the same given order.

Refer the Common Core Services Installation Guide to install the services.

Application	Archive name	OSDC path	Targets
cmc-account-services	cmc-account-services-9.5.0.war	<<Base Path>>\PLATO\cmc-account-services	CommonCore
cmc-additional-attributes-services	cmc-additional-attributes-services-9.5.0.war	<<Base Path>>\PLATO\cmc-additional-attributes-services	CommonCore
cmc-advice-services	cmc-advice-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-advice-services	CommonCore
cmc-base-services	cmc-base-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-base-services	CommonCore
cmc-branch-services	cmc-branch-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-branch-services	CommonCore
cmc-businessoverrides-services	cmc-businessoverrides-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-businessoverrides-services	CommonCore
cmc-currency-services	cmc-currency-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-currency-services	CommonCore
cmc-customer-services	cmc-customer-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-customer-services	CommonCore

Application	Archive name	OSDC path	Targets
cmc-facilities-service	cmc-facilities-service-9.5.0.war	<<BASE PATH>>\PLATO\cmc-facilities-service	CommonCore
cmc-obrh-service	cmc-obrh-service-9.5.0.war	<<BASE PATH>>\PLATO\cmc-obrh-service	CommonCore
cmc-report-services	cmc-report-service-9.5.0.war	<<BASE PATH>>\PLATO\cmc-report-services	CommonCore
cmc-settlements-services	cmc-settlements-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-settlements-services	CommonCore
cmc-txn-code-services	cmc-txn-code-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-txn-code-services	CommonCore
cmc-nlp-dashboard-widget-services	cmc-nlp-dashboard-widget-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-nlp-dashboard-widget-services	CommonCore
cmc-nlp-maintenance-services	cmc-nlp-maintenance-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-nlp-maintenance-services	CommonCore
cmc-nlp-pipeline-services	cmc-nlp-pipeline-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-nlp-pipeline-services	CommonCore
cmc-nlp-text-extraction-services	cmc-nlp-text-extraction-services-9.5.0.war	<<BASE PATH>>\PLATO\cmc-nlp-text-extraction-services	CommonCore

4.2.5 Mid Office Common Services Deployment

Below table give details of the deployments required on each server for the mid office services to run.

Deploy one after other in the same given order.

Application	Archive name	OSDC path	Targets
cmc-applicationcategory-services	cmc-applicationcategory-services-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-applicationcategory-services	MOCCORE
cmc-checklist-services	cmc-checklist-services-9.5.0.war	<<Base Path>>\ \MID_OFFICE_COMMON_CORE\cmc-checklist-services	MOCCORE

Application	Archive name	OSDC path	Targets
cmc-checklistmanagement-services	cmc-checklistmanagement-services-9.5.0.war	<<Base Path>>\ \MID_OFFICE_COMMON_CORE\cmc-checklistmanagement-services	MOCCORE
cmc-comments-services	cmc-comments-services-9.5.0.war	<<Base Path>>\ \MID_OFFICE_COMMON_CORE\cmc-comments-services	MOCCORE
cmc-document-services	cmc-document-services-9.5.0.war	<<Base Path>>\0\MID_OFFICE_COMMON_CORE\cmc-document-services	MOCCORE
cmc-earmark-services	cmc-earmark-services-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-earmark-services	MOCCORE
cmc-kyccheck-services	cmc-kyccheck-services-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-kyccheck-services	MOCCORE
cmc-mailnotification-services	cmc-mailnotification-services-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-mailnotification-services	MOCCORE
cmc-priority-service	cmc-priority-service-9.5.0.war	<<Base Path>>\MID_OFFICE_COMN_CORE \cmc-priorityservice	MOCCORE
cmc-processcode-service	cmc-processcode-service-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-processcode-service	MOCCORE
cmc-queue-service	cmc-queue-service-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-queue-service	MOCCORE
cmc-sequencegenerator-services	cmc-sequencegenerator-services-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-sequencegenerator-services	MOCCORE
cmc-sla-services	cmc-sla-services-9.5.0.war	<<Base Path>>\MID_OFFICE_COMMON_CORE\cmc-sla-services	MOCCORE

4.2.6 OBTFPM Services Deployment

Below table give details of the deployments required on each domain for the Trade application to run.

Deploy one after other in the same given order.

> **Note:**
>
> Make sure that the environment variables are set appropriately before the deployment.

S.No	Service Name	Archive name	OSDC path
1.	obtfpm-adapter-services	obtfpm-adapter-services-9.5.0.war	<<Base Path>>\OBTFPM_SERVICES\obtfpm-adapter-services
2.	obtfpm-ai-integration-services	obtfpm-ai-integration-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-ai-integration-services
3.	obtfpm-common-datasegments-services	obtfpm-common-datasegments-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-common-datasegments-services
4.	obtfpm-datasegments-management-services	obtfpm-datasegments-management-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-datasegments-management-services
5.	obtfpm-documentarycollections-datasegments-services	obtfpm-documentarycollections-datasegments-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-documentarycollections-datasegments-services
6.	obtfpm-drawings-datasegments-services	obtfpm-drawings-datasegments-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-drawings-datasegments-services
7.	obtfpm-extsys-replicated-data-provider-services	obtfpm-extsys-replicated-data-provider-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-extsys-replicated-data-provider-services
8.	obtfpm-gateway-services	obtfpm-gateway-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-gateway-services
9.	obtfpm-guarantees-datasegments-services	obtfpm-guarantees-datasegments-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-guarantees-datasegments-services
10.	obtfpm-letterofcredits-datasegments-services	obtfpm-letterofcredits-datasegments-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-letterofcredits-datasegments-services
11.	obtfpm-maintenance-services	obtfpm-maintenance-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-maintenance-services
12.	obtfpm-orchestrator-services	obtfpm-orchestrator-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-orchestrator-services

S.No	Service Name	Archive name	OSDC path
13.	obtfpm-rso-maintenance-services	obtfpm-rso-maintenance-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-rso-maintenance-services
14.	obtfpm-stage-management-services	obtfpm-stage-management-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-stage-management-services
15.	obtfpm-template-services	obtfpm-template-services-9.5.0.war	\<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-template-services
16.	obtfpm-utility-services	obtfpm-utility-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-utility-services
17.	obtfpm-shipping-guarantee-services	obtfpm-shipping-guarantee-services-9.5.0.war	<<BASE PATH>>\OBTFPM_SERVICES\obtfpm-shipping-guarantee-services

4.2.7 OBTFPM – OBRH Configuration Deployment

Below table give details of the deployments required for the OBRH related configuration for the Trade application to run. Deploy one after other in the same given order. Based on the FCUBS Version, select the corresponding configuration path as mentioned below

OBTF 14.5 & ELCM 14.5

S.No	Service Provider	OSDC path
1.	OBTF	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\OBTFPM145_OBTF145_Consumer.json
2.	FCUBS	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\OBTFPM145_FCUBS145_Consumer.json
3.	ELCM	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\OBTFPM145_ELCM145_Consumer.json
4.	OBDX	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\OBTFPM145_OBDX145_Consumer.json
5.	SLA	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\OBTFPM145_OBTF145_Consumer.json

4.3 Steps to Deploy as Application

To deploy application, refer 'Configuration_and_Deployment_Guide' section “**How to deploy section**”.

5
User Interface Installation

- Introduction
- Domain and Cluster Configuration
- Deployments
- Restart and Refresh

5.1 Introduction

This section would help you to install the OBTFPM UI on designated environment. It is assumed that all the prior setup is already done related with WebLogic managed server creation. It is recommended to use dedicated managed server for OBTFPM UI.

The installation procedure includes a series of steps that are defined in subsequent sections for the deployment of services.

5.2 Domain and Cluster Configuration

- Pre-requisites
- Create Domain and Cluster Configuration
- Post Domain Creation Configurations

5.2.1 Pre-requisites

FOllowing are the pre-requisites for User Interface Installation:

- Machine should have Java JDK11.0.16.1 has installed.
- Oracle Fusion Middleware 14.1.1.0.0 has to be installed on the machine.

5.2.2 Create Domain and Cluster Configuration

Refer “Configuration and Deployment Guide” document, section **'How to Create Domain and Cluster Configuration'**.

5.2.3 Post Domain Creation Configurations

Refer “Configuration and Deployment Guide” document, section **'Post Domain Creation Configurations'**.

5.3 Deployments

- Steps to Deploy as application
  This topic provides systematic instruction to deploy as application.

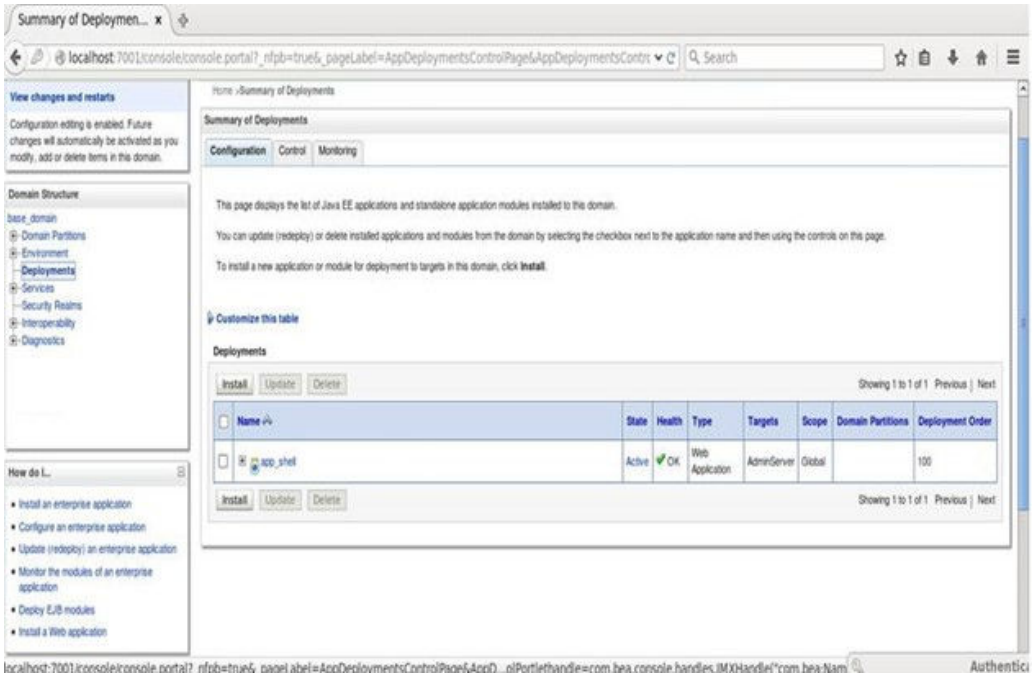
5.3.1 Steps to Deploy as application

This topic provides systematic instruction to deploy as application.

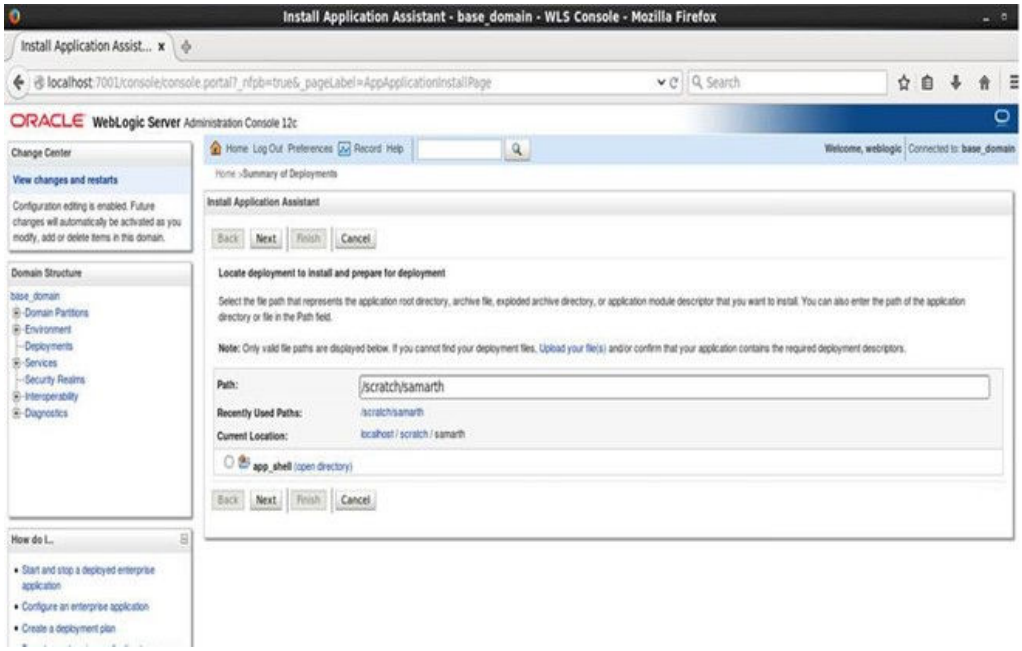
> **Note:**
>
> Server names, Domain names need not to be same as this doc provides.

Steps to Deploy archives as application on weblogic is same for all the above except for managed server and domain where we deploy will differ. Find the below screenshots to see how deployment of archive as application is done on weblogic.

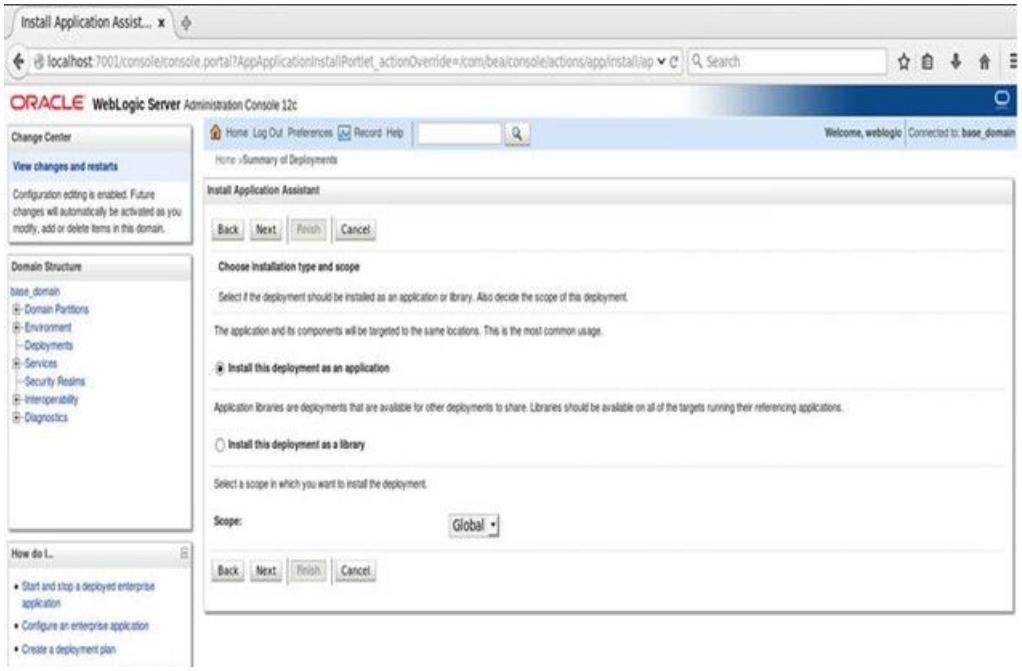
1. Copy the application war file available under UI/APP/ARCHIVE folder.
2. Open Weblogic console and navigate to the Deployments.



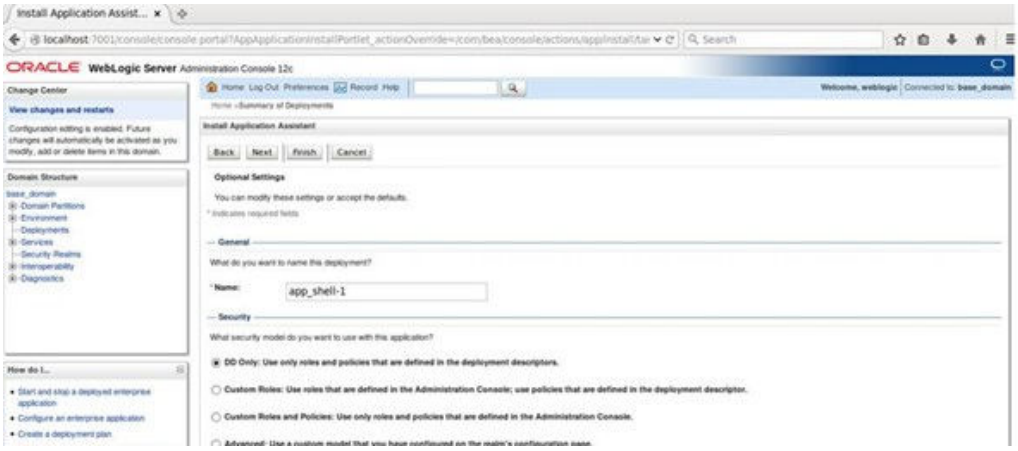
3. Click on **Install** and then click **Upload** your files, locate the war and select it, click **Next**.



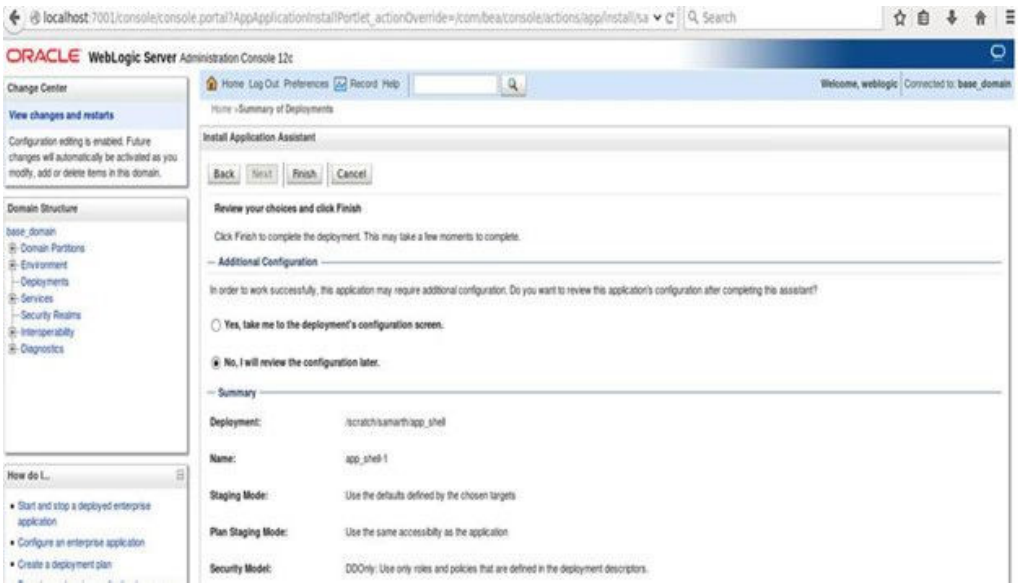
4. Check the option install this deployment as an application option and click **Next**.



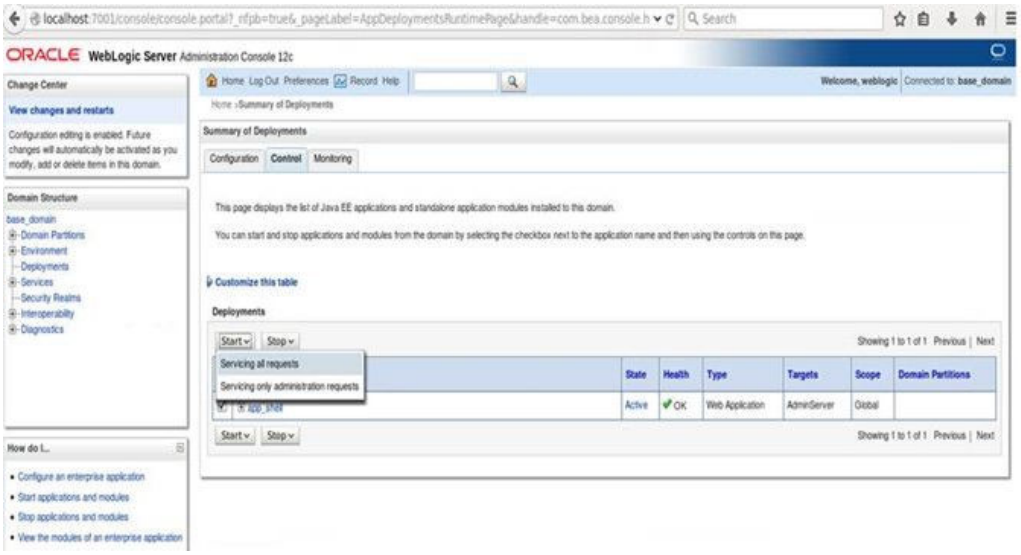
5. Name the deployment and click **Next**.



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



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



5.4 Restart and Refresh

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

- Restarting Servers

5.4.1 Restarting Servers

Refer “Configuration and Deployment Guide” document, section **' How to Restart Servers '**.

6

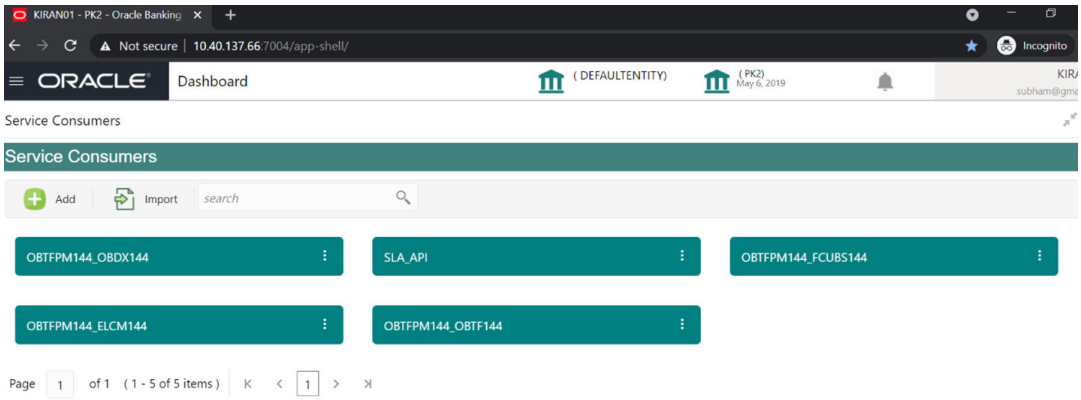
OBRH – Configuration Deployment

This topic provides systematic instruction to deploy the OBRH Configuration.

Follow the below steps to deploy the OBRH configuration through the OBTFPM UI application.

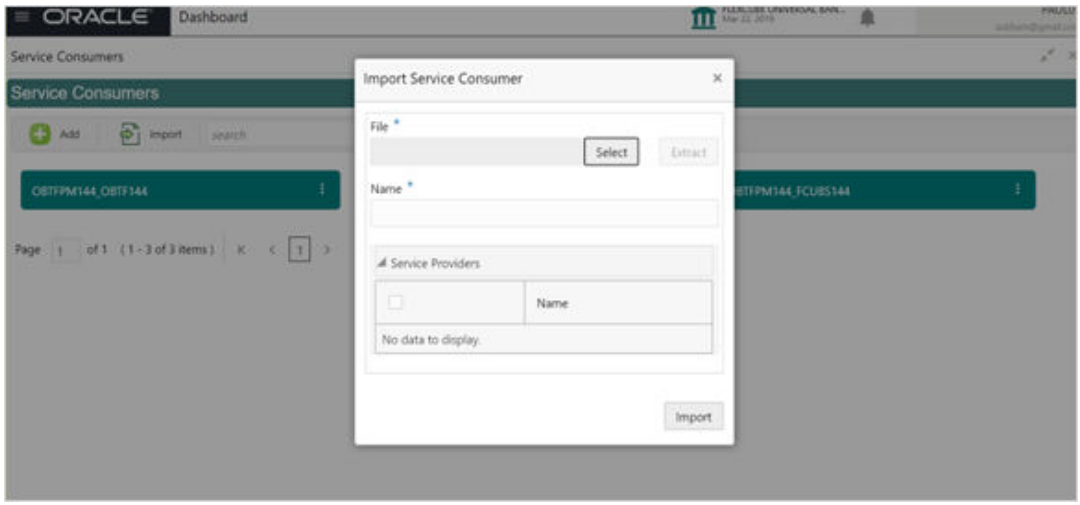
1. Login to the Application.
2. On Home screen, click **Common core** then click **Routing Hub** and then **Service Consumers**.

   System will launch the OBRH service provider screen as shown below.



3. Click on **Import** button and select the obrh configuration artifact (json) as mentioned in section "**OBTFPM – OBRH Configuration Deployment**".

   The **Import Service Consumer** pop-up screen is displayed.



7

Conductor Process Installation

This section would help you to install the OBTFPM Conductor based process on designated environment. It is assumed that all the prior setup is already done related to Netflix Conductor.

- OBTFPM Processes
- Steps to Deploy Conductor Process
  This topic provides systematic instruction to deploy Conductor Process.

7.1 OBTFPM Processes

Deploy the following list of conductor processes for OBTFPM. The deployable units are available in the OBTFPM_PROCESSES folder in the OSDC.

S.No	Main Process	Dependent process
1.	ShippingGuaranteeIssuanceWorkflow	All sub workflows
2.	ImportLCUpdateDrawingsWorkflow	All sub workflows
3.	ImportLCReopen	All sub workflows
4.	ImportLCLiquidationWorkflow	All sub workflows
5.	ImportLCIssuanceWorkflow	All sub workflows
6.	ImportLCInternalAmendmentWorkflow	All sub workflows
7.	ImportLCDrawingsWorkflow	All sub workflows
8.	ImportLCDrawingsCustomerAcceptanceWorkflow	All sub workflows
9.	ImportLCDrawingApplicantResponseWorkflow	All sub workflows
10.	ImportLCClosureWorkflow	All sub workflows
11.	ImportLCCancellationWorkflow	All sub workflows
12.	ImportLCAmendmentWorkflow	All sub workflows
13.	ImportLCAmendmentBeneficiaryConsentWorkflow	All sub workflows
14.	ImportDocumentaryCollectionUpdateWorkflow	All sub workflows
15.	ImportDocumentaryCollectionReturnWorkflow	All sub workflows
16.	ImportDocumentaryCollectionLiquidationWorkflow	All sub workflows
17.	ImportDocumentaryCollectionBookingWorkflow	All sub workflows
18.	GuaranteeIssuedClaimLodgingWorkflow	All sub workflows
19.	GuaranteeIssuanceWorkflow	All sub workflows
20.	GuaranteeIssuanceInternalAmendmentWorkflow	All sub workflows
21.	GuaranteeIssuanceClosureWorkflow	All sub workflows
22.	GuaranteeIssuanceClaimUpdateWorkflow	All sub workflows
23.	GuaranteeIssuanceClaimSettlementWorkflow	All sub workflows
24.	GuaranteeIssuanceAmendmentBeneficiaryConsentWorkflowAll sub workflows	All sub workflows
25.	GuaranteeCancellationWorkflow	All sub workflows
26.	GuaranteeAmendmentWorkflow	All sub workflows
27.	GuaranteeAdviseWorkflow	All sub workflows

S.No	Main Process	Dependent process
28.	GuaranteeAdviseInternalAmendmentWorkflow	All sub workflows
29.	GuaranteeAdvisedClaimUpdateWorkflow	All sub workflows
30.	GuaranteeAdvisedClaimSettlementWorkflow	All sub workflows
31.	GuaranteeAdviseClaimLodgingWorkflow	All sub workflows
32.	GuaranteeAdviseCancellation	All sub workflows
33.	GuaranteeAdviseAmendmentBeneficiaryConsentWorkflow	All sub workflows
34.	GuaranteeAdviseAmendment	All sub workflows
35.	GuaranteeAdviceClosureWorkflow	All sub workflows
36.	ExportLCUpdateDrawingsWorkflow	All sub workflows
37.	ExportLCTransferWorkflow	All sub workflows
38.	ExportLCTransferAmendmentWorkflow	All sub workflows
39.	ExportLCTransferAmendmentBeneficiaryConsentWorkflow	All sub workflows
40.	ExportLCLiquidationWorkflow	All sub workflows
41.	ExportLCDrawingsWorkflow	All sub workflows
42.	ExportLCDrawingsCustomerAcceptanceWorkflow	All sub workflows
43.	ExportLCDrawingBeneficiaryResponseWorkflow	All sub workflows
44.	ExportLCClosureWorkflow	All sub workflows
45.	ExportLCCancellationWorkflow	All sub workflows
46.	ExportLCAmendmentWorkflow	All sub workflows
47.	ExportLCAmendmentBeneficiaryConsentWorkflow	All sub workflows
48.	ExportLCAdviseWorkflow	All sub workflows
49.	ExportDocumentaryCollectionUpdateWorkflow	All sub workflows
50.	ExportDocumentaryCollectionReturnWorkflow	All sub workflows
51.	ExportDocumentaryCollectionLiquidationWorkflow	All sub workflows
52.	ExportDocumentaryCollectionBookingWorkflow	All sub workflows
53.	DrawingsUnderTransferredLCWorkflow	All sub workflows

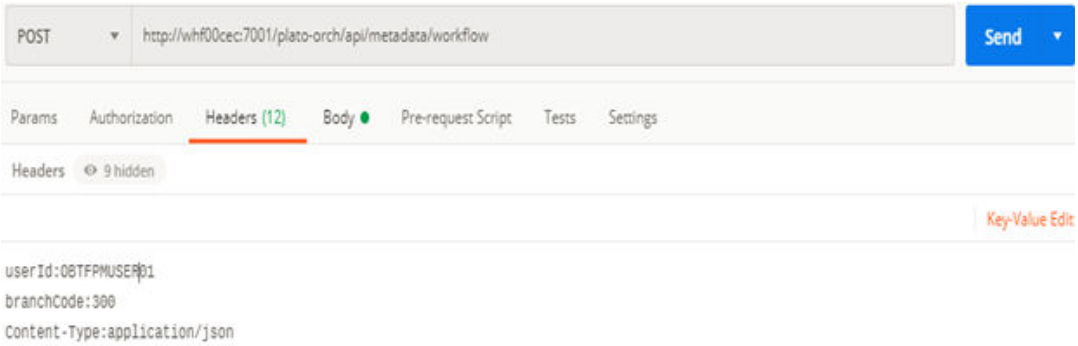
S.No	Sub Process Flows
1.	CommonAMLCheckWorkflow
2.	CommonAmountBlockWorkflow
3.	CommonApprovalWorkflow
4.	CommonHandoffWorkflow
5.	CommonKYCCheckWorkflow
6.	CommonLimitEarmarkWorkflow
7.	CommonRejectCaseWorkflow
8.	CommonReleaseAmountBlockWorkflow
9.	CommonReleaseLimitEarmarkWorkflow
10.	CommonSanctionCheckWorkflow
11.	CommonReleaseDepositLinkWorkflow
12.	CommonDepositLinkWorkflow

7.2 Steps to Deploy Conductor Process

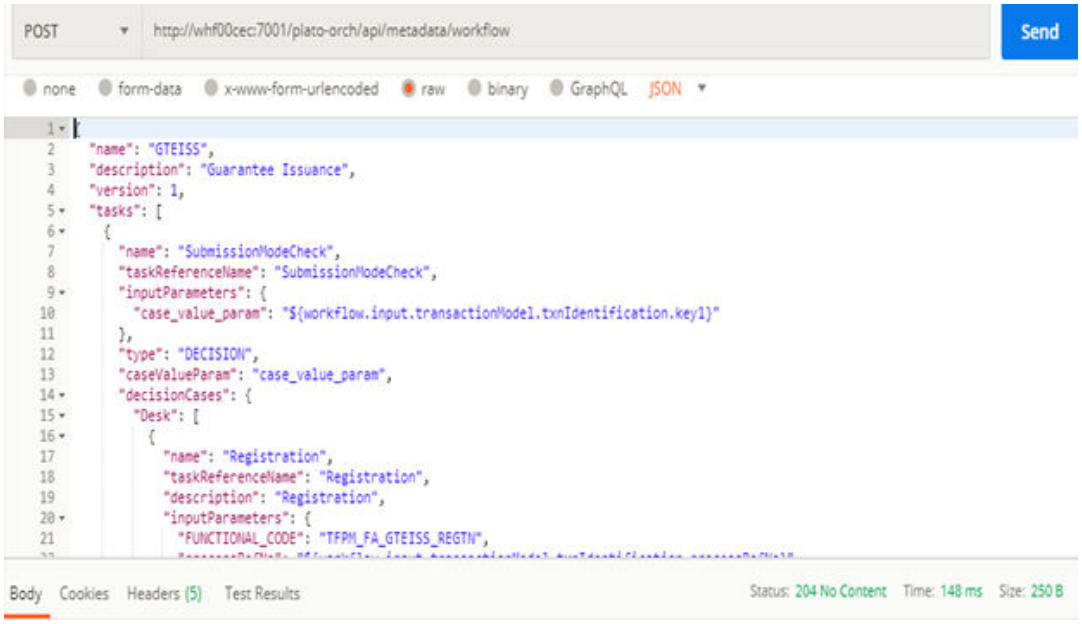
This topic provides systematic instruction to deploy Conductor Process.

> **Note:**
>
> - Server names, Domain names need not to be same as this document provides.
> - Steps to Deploy a process remains the same for all the process files.

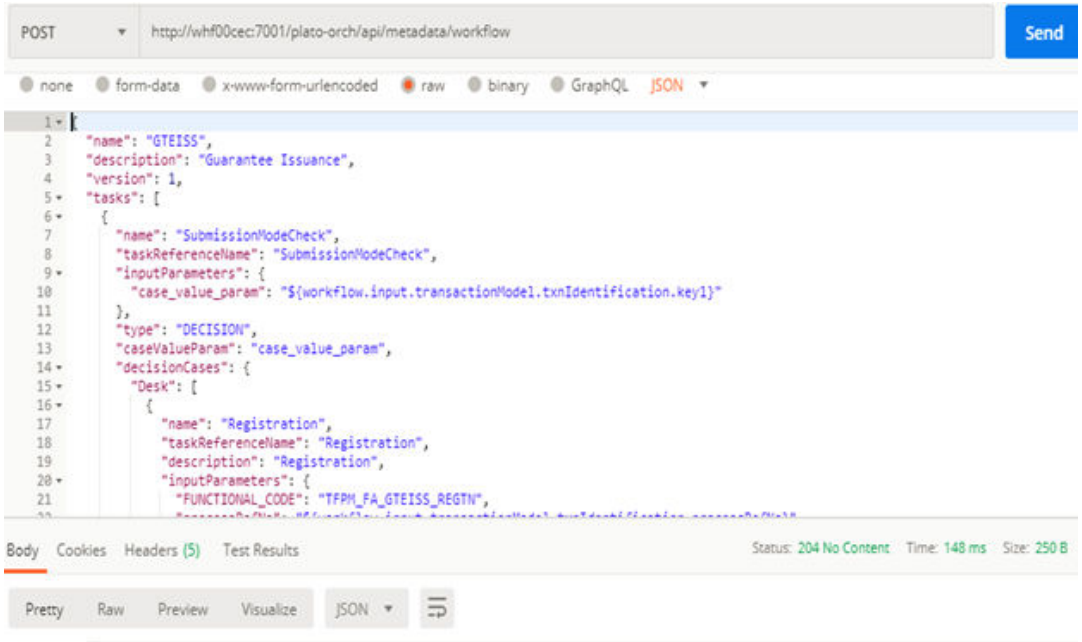
1. Launch the Postman.
2. Create a new Request (if not done already) and select “POST” method. Use the “PUT” method to update the already deployed process.
3. Input the header params and conductor url (http://LOCALHOST:PORT/plato-orch/api/metadata/workflow) as shown below.



4. Paste the body of the request with the content from the process file.



5. Click “Send”. Make sure the response status “204” is returned from server.



8
Restarts and Refresh

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

- Restarting Servers

8.1 Restarting Servers

Refer “Configuration and Deployment Guide” document, section **' How to Restart Servers '**.

9
Logging Area

- Introduction

9.1 Introduction

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

- Logging Area

9.1.1 Logging Area

Trade Finance Application writes logs in the below area of the server-<WEBLOGIC_DOMAIN_CONFIG_AREA>/logs/<<micro-service-name>>.logLet's assume a domain has been created OBTFPM with managed_server name called OBTFPM in the following area of the server

/scratch/oracle/middleware/user_projects/domains/OBTFPM. Logging area for Trade Finance would be /scratch/oracle/middleware/user_projects/domains/OBTFPM/logs/<<micro-service-name>>.logp

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