Oracle® Banking Trade Finance Process Management Oracle Banking Trade Finance Services Installation Guide





Oracle Banking Trade Finance Process Management Oracle Banking Trade Finance Services Installation Guide, Release 14.8.1.0.0

G46090-02

Copyright © 2021, 2025, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

	Purpose	
	Audience	
	Documentation Accessibility	
	Critical Patches	
	Diversity and Inclusion	i
	Organization	i
	Related Documents	iv
	Conventions	i\
	Acronyms and Abbreviations	iv
1	Database Setup	
	1.1 Introduction	1
	1.2 Pre-requisite	1
	1.3 Setting the Environment Variable	2
	1.4 Execution of Environment Variable	11
	1.4.1 Plato Config Service Startup Parametrization	11
	1.4.1.1 Plato Services Deployment	11
	1.4.2 Domain Server Parameterization	12
2	SQLCL Deployment	
	2.1 Prerequisites	1
	2.2 Required Inputs for plato-sqlcl-deployer	1
	2.3 Deployer Folder Structure	2
	2.4 Command to Execute Deployer	2
	2.5 Deployment Scenarios	2
	2.5.1 Greenfield (New Blank Schema)	2
	2.5.2 Brownfield Upgrade 14.8.0 (9.6.0) to 14.8.1 (10.1.0)	3
	2.5.3 Upgrade 14.7.4 (9.4.0) to 14.8.1 (10.1.0)	5
	2.5.4 Upgrade 14.8.0.x (9.6.x) to 14.8.1 (10.1.0)	5
	2.5.5 Upgrade 14.8.0.104.0 (9.6.2) to 14.8.1 (10.1.0)	5
	2.6 Post-Deployment Verification	7

	2.7 Placeholder Management(placeholder.properties)	7
	2.8 Notes/Troubleshooting	7
3	Domain and Cluster Configuration	
	3.1 Common Core Domain Configuration	1
	3.1.1 Pre-requisites	1
	3.1.2 Steps to Create Domain	1
4	Data Sources Creation	
	4.1 Pre-requisites	1
	4.2 Data Sources List	1
	4.3 Creating Data Source	2
	4.4 Checking JNDI Access for Server	2
5	Deployments	
	5.1 Pre-requisite	1
	5.2 Deployments List	1
	5.2.1 Plato Services Deployment	1
	5.2.2 SMS Services Deployment	2
	5.2.3 Plato Orchestration Service Deployment	2
	5.2.4 Common Core Services Deployment	2
	5.2.5 Mid Office Common Services Deployment	4
	5.2.6 OBTFPM Services Deployment	6
	5.2.7 OBTFPM – OBRH Configuration Deployment	7
	5.3 Steps to Deploy as Application	8
6	User Interface Installation	
	6.1 Introduction	1
	6.2 Domain and Cluster Configuration	1
	6.2.1 Pre-requisites	1
	6.2.2 Create Domain and Cluster Configuration	1
	6.2.3 Post Domain Creation Configurations	1
	6.3 Deployments	1
	6.3.1 Steps to Deploy as Application	2
	6.4 Restart and Refresh	3
	6.4.1 Restarting Servers	3

7 OBRH – Configuration Deployment					
8	Conductor Process Installation				
	8.1 OBTFPM Processes	1			
	8.2 Steps to Deploy Conductor Process	3			
9	Restarts and Refresh				
	9.1 Restarting Servers	1			
10	Logging Area				
	10.1 Introduction	1			
	10.1.1 Logging Area	1			



Preface

- Purpose
- Audience
- Documentation Accessibility
- Critical Patches
- Diversity and Inclusion
- Organization
- Related Documents
- Conventions
- Acronyms and Abbreviations

Purpose

This guide would help you to configure Trade related services on designated environment. It is assumed that all the prior setup is already done related with WebLogic 14C installation, Web Logic managed server creation and Oracle DB installation. It is recommended to use dedicated managed server for each of the Plato infrastructure services.

Audience

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

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.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at <u>Critical Patches</u>, <u>Security Alerts and Bulletins</u>. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by <u>Oracle Software Security Assurance</u>.



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.

Organization

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

Plato	Web Logic System environment settings
	Plato Config Service
	Plato Discovery Service
	Plato API Gateway Service
	Plato UI Config Service
	Plato O (Conductor)
	Plato Orch Service
	Plato Coherence
	Plato Transport
	Plato Alerts Management
	Plato Batch
	Plato Feed
	 Plato Regional Configurator
	Plato Rule
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-datasegment-services
 cmc-external-system-services
cmc-limits-collaterals-services
cmc-obrh-service
cmc-report-services
 cmc-resource-segment-orchestrator-service
 cmc-resourceclass-services
cmc-screenclass-services
cmc-settlements-services
cmc-sla-services
cmc-transactioncontroller-services
cmc-opds-services
cmc-genai-services
cmc-applicationcategory-services
cmc-checklist-services
cmc-checklistmanagement-services
cmc-comments-services
cmc-document-services
 cmc-documentmanagement-services
 cmc-mailnotification-services
cmc-priority-services
 cmc-processcode-services
 cmc-sequencegenerator-services
a obtform adapter convices
obtfpm-adapter-services obtfpm-ai integration convices
obtfpm-ai-integration-servicesobtfpm-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

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

Database Setup

This topic contains following sub-topics:

- 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.

S No.	Module	Schema Details
1.	Trade	TFPM_ADAPTER
2.	Trade	TFPM_COMMONDS
3.	Trade	TFPM_DOC_COLL
4.	Trade	TFPM_DRAWING
5.	Trade	TFPM_DATA_SEGMENTS
6.	Trade	TFPM_EXT_SYS
7.	Trade	TFPM_GATEWAY
8.	Trade	TFPM_GUARANTEE_DS
9.	Trade	TFPM_LETTER_OF_CREDIT
10.	Trade	TFPM_MAINTENANCE
11.	Trade	TFPM_ORCH
12.	Trade	TFPM_STAGE_MGMT
13.	Trade	TFPM_TEMPLATE
14.	Trade	TFPM_UTITLITY
15.	Trade	TFPM_SHIPPING_GUARANTEE
16.	Trade	TFGENAI

Make sure that the schema user has the below rights:



	OPERATION					
DB OBJECT	CREATE	ALTER	DROP	INSERT	UPDATE	DELETE
TABLE	Υ	Υ	Z	Υ	Υ	Υ
VIEW	NA	NA	NA	NA	NA	NA
SEQUENCE	Υ	Υ	Υ	NA	NA	NA
PACKAGE	NA	NA	NA	NA	NA	NA
PACKAE BODY	NA	NA	NA	NA	NA	NA
INDEX	Υ	Υ	Υ	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 Web Logic 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></plato_schema_name>
Dflyway.domain.baselineOnMigra te	Default value	false
Dflyway.domain.placeholderRepl acement	Default value	true
Dflyway.domain.db.jdbcUrl	Plato schema - JDBC connection	<plato_schema_jdbc CONNECTION></plato_schema_jdbc
Dflyway.domain.db.username	Plato schema Credentials	<plato_schema_name></plato_schema_name>
Dflyway.domain.db.password	Plato schema Credentials	<plato_schema_pwd></plato_schema_pwd>
Dflyway.domain.db.driver-class-name	Default value	oracle.jdbc.driver.OracleDriver
Dflyway.domain.ignoreMissingMi grations	Default value	true
Dflyway.domain.outOfOrder	Default value	true
Dflyway.domain.outOfOrder	Plato schema Credentials	<plato_schema_name></plato_schema_name>
Dflyway.domain.placeholders.eur eka.host	Discovery server - Host	<name_plato_discovery_s ERVICE_HOST></name_plato_discovery_s



Property	Description	Values
Dflyway.domain.placeholders.eur eka.port	Discovery server - Port	<pre><plato_discovery_servic e_port=""></plato_discovery_servic></pre>
Dflyway.domain.placeholders.plat oui.schemas	Plato UI Schema Credentials	<plato_ui_schema></plato_ui_schema>
Dflyway.domain.placeholders.api- gateway.host	Plato 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 ></plato_api_gateway_port
Dflyway.domain.placeholders.plat o-config.username	Plato schema Credentials	<plato_config_schema_n AME></plato_config_schema_n
Dflyway.domain.placeholders.plat o-config.password	Plato schema Credentials	<plato_config_schema_p WD></plato_config_schema_p
Dflyway.domain.placeholders.plat o-config.jdbcUrl	Plato Config service schema - JDBC connection	<plato_config_db_conne CTION></plato_config_db_conne
Dflyway.domain.placeholders.plat o-config.url	Plato Config service schema - JDBC connection	<plato_config_db_conne CTION></plato_config_db_conne
Dflyway.domain.placeholders.plat o-config.url	Default value	oracle.jdbc.OracleDriver
Dflyway.domain.placeholders.zipk in.host	Zipkin Server Host	{"localhost"}
Dflyway.domain.placeholders.zipk in.port	Zipkin Server Credentials	<zipkin_server_port> - 8080</zipkin_server_port>
Dflyway.domain.placeholders.plat oui.username	Plato UI Schema Credentials	<plato_ui_schema></plato_ui_schema>
Dflyway.domain.placeholders.plat oui.password	Plato UI Schema Credentials	<plato_ui_schema_pwd></plato_ui_schema_pwd>
Dflyway.domain.placeholders.plat oui.jdbcUrl	Plato UI service schema - JDBC connection	<plato_ui_schema_db_con NECTION></plato_ui_schema_db_con
Dflyway.domain.placeholders.plat oui.schemas	Plato UI Schema Credentials	<plato_ui_schema></plato_ui_schema>
Dflyway.domain.placeholders.plat oDiscovery-service.server.port	Plato discovery services Port	<plato_discovery_servic E_PORT></plato_discovery_servic
Dflyway.domain.placeholders.plat o-api-gateway.server.port	Plato API Gateway services Port	<plato_api_gateway_port ></plato_api_gateway_port
Dflyway.domain.placeholders.api- gateway.username	Plato API Gateway Services Credential	<plato_security_schema></plato_security_schema>
Dflyway.domain.placeholders.api- gateway.password	Plato API Gateway Services Credential	<plato_security_schema_ PWD></plato_security_schema_
Dflyway.domain.placeholders.api-gateway.jdbcUrl	Plato API Gateway Services - JDBC connection	<plato_security_schema_ DB_CONNECTION></plato_security_schema_
Dflyway.domain.placeholders.api- gateway.schemas	Plato Security schema Credentials	<plato_security_schema></plato_security_schema>
Dflyway.domain.placeholders.plat o-orch-service.server.port	Plato Orchestration services Port	<plato_orch_service_por T></plato_orch_service_por
Dflyway.domain.placeholders.plat o-ui-config-services.server.port	Plato Ui-Configestration servicess Port	<plato_ui_config_server_ PORT></plato_ui_config_server_
Dflyway.domain.placeholders.plat o-ui-config.username	Plato UI Config services- JDBC connection	<plato_ui_schema></plato_ui_schema>
Dflyway.domain.placeholders.plat o-ui-config.password	Plato UI Config services- Credential	<plato_ui_schema_pwd></plato_ui_schema_pwd>



Property	Description	Values
Dflyway.domain.placeholders.plat o-ui-config.jdbcUrl	Plato UI Config services- Credential	<plato_ui_schema_db_con NECTION></plato_ui_schema_db_con
Dflyway.domain.placeholders.plat o-ui-config.schemas	Plato UI Schema Credentials	<plato_ui_schema></plato_ui_schema>
Dflyway.domain.placeholders.plat oDiscovery-service.server.port	Plato discovery services Port	<plato_discovery_servic E_PORT></plato_discovery_servic
Dflyway.domain.placeholders.api gateway.host	Plato API Gateway Service Host	<plato_api_gateway_host ></plato_api_gateway_host
Dflyway.domain.placeholders.api gateway.port	Plato API Gateway Service Port	<plato_api_gateway_port ></plato_api_gateway_port
Dflyway.domain.placeholders.sm s.username	SMS schema Credentials	<sms_schema></sms_schema>
Dflyway.domain.placeholders.sm s.password	SMS schema Credentials	<sms_schema_pwd></sms_schema_pwd>
Dflyway.domain.placeholders.sm s.url	SMS schema - JDBC Connection	<sms_schema_db_connec TION></sms_schema_db_connec
Dflyway.domain.placeholders.sm s.jdbcUrl	SMS schema - JDBC Connection	<sms_schema_db_connec TION></sms_schema_db_connec
Dflyway.domain.placeholders.sm s-core-services.server.port	SMS Core services Port	<sms-core-services.server.port></sms-core-services.server.port>
Dflyway.domain.placeholders.sm s.schemas	SMS schema Credentials	<sms_schema></sms_schema>
Dflyway.domain.placeholders.cm ncore.username	Common core Schema Credentials	<commoncore_schema></commoncore_schema>
Dflyway.domain.placeholders.cm ncore.db.username	Common core Schema Credentials	<commoncore_schema></commoncore_schema>
Dflyway.domain.placeholders.cm ncore.db.password	Common core Schema Credentials	<commoncore_schema_p WD></commoncore_schema_p
Dflyway.domain.placeholders.cm ncore.db.password	Common core Schema Credentials	<commoncore_schema_p WD></commoncore_schema_p
Dflyway.domain.placeholders.cm ncore.jdbcUrl	Common core Schema - JDBC Connection	<pre><jdbc_conncection_com mon_core_schema=""></jdbc_conncection_com></pre>
Dflyway.domain.placeholders.cm ncore.db.url	Common core Schema - JDBC Connection	<pre><jdbc_conncection_com mon_core_schema=""></jdbc_conncection_com></pre>
Dflyway.domain.placeholders.cm ncore.schemas	Common core Schema Credentials	<commoncore_schema></commoncore_schema>
Dflyway.domain.placeholders.cm ncore.db.schemas	Common core Schema Credentials	<commoncore_schema></commoncore_schema>
Dflyway.domain.placeholders.cm c-account-services.server.port	Common core-cmc account services server port	<pre><cmc-account- services.server.port=""></cmc-account-></pre>
Dflyway.domain.placeholders.cm c-advice-services.server.port	Common core-cmc advice services server port	<pre><cmc-advice- services.server.port=""></cmc-advice-></pre>
Dflyway.domain.placeholders.cm c-base-services.server.port	Common core-cmc base services server port	<pre><cmc-base-services.server.port></cmc-base-services.server.port></pre>
Dflyway.domain.placeholders.cm c-branch-services.server.port	Common core-cmc branch services server port	<pre><cmc-branch- services.server.port=""></cmc-branch-></pre>
Dflyway.domain.placeholders.cm c-customer-services.server.port	Common core-cmc customer services server port	<pre><cmc-customer- services.server.port=""></cmc-customer-></pre>
Dflyway.domain.placeholders.cm c-facilities-services.server.port	Common core-cmc facilities services server port	<pre><cmc-facilities- services.server.port></cmc-facilities- </pre>



Property	Description	Values
Dflyway.domain.placeholders.cm c-settlements- services.server.port	Common core-cmc settlements services server port	<pre><cmc-settlements- services.server.port=""></cmc-settlements-></pre>
Dflyway.domain.placeholders.cm c-transactioncontroller- services.server.port	Common core-cmc transactioncontroller services server port	<pre><cmc-transactioncontroller- services.server.port=""></cmc-transactioncontroller-></pre>
Dflyway.domain.placeholders.obtf pm.adapter.server.port	OBTFPM - Adaptor service server Credentials	<pre><cmc-transactioncontroller- services.server.port=""></cmc-transactioncontroller-></pre>
Dflyway.domain.placeholders.obtf pm.adapter.schemas	OBTFPM - Adaptor service Schema Credentials	<obtfpm_adapter_schema ></obtfpm_adapter_schema
Dflyway.domain.placeholders.obtf pm.commonds.server.port	OBTFPM - Common data segment service Server Port	<obtfpm.commonds.server.port></obtfpm.commonds.server.port>
Dflyway.domain.placeholders.obtf pm.commonds.schemas	OBTFPM - Common data segment service Schema Credentials	<obtfpm_common_datase G_SCHEMA></obtfpm_common_datase
Dflyway.domain.placeholders.obtf pm.datasegments.server.port	OBTFPM - Data Segment Management service Server Port	<pre><obtfpm.datasegments.server.po rt=""></obtfpm.datasegments.server.po></pre>
Dflyway.domain.placeholders.obtf pm.datasegments.schemas	OBTFPM - Data Segment Management service Server Credentials	<obtfpm_datasegment_sc HEMA></obtfpm_datasegment_sc
Dflyway.domain.placeholders.mid ofccmc.schemas	Mid office Services Schema Credentials	<commoncore_schema></commoncore_schema>
Dflyway.domain.placeholders.obtf pm.doccollection.server.port	OBTFPM - Documentary collection Service Server Credentials	<obtfpm.doccollection.server.port></obtfpm.doccollection.server.port>
Dflyway.domain.placeholders.obtf pm.doccollection.schemas	OBTFPM - Documentary collection Service Schema Credentials	<obtfpm_documentary_c OLLECTION_SCHEMA></obtfpm_documentary_c
Dflyway.domain.placeholders.obtf pm.drawings.server.port	OBTFPM - Drawings service Server Credentials	<obtfpm.drawings.server.port></obtfpm.drawings.server.port>
Dflyway.domain.placeholders.obtf pm.drawings.schemas	OBTFPM - Drawings service Schema Credentials	<pre><obtfpm_drawings_datas eg_schema=""></obtfpm_drawings_datas></pre>
Dflyway.domain.placeholders.obtf pm.extsys.server.port	OBTFPM - External system replication services Server Credentials	<obtfpm.extsys.server.port></obtfpm.extsys.server.port>
Dflyway.domain.placeholders.obtf pm.extsys.schemas	OBTFPM - External system replication services Schema Credentials	<obtfpm_extsys_schema></obtfpm_extsys_schema>
Dflyway.domain.placeholders.obtf pm.gateway.server.port	OBTFPM - Gateway services Server Credentials	<obtfpm.gateway.server.port></obtfpm.gateway.server.port>
Dflyway.domain.placeholders.obtf pm.gateway.schemas	OBTFPM - Gateway services Schema Credentials	<pre><obtfpm_gateway_schema></obtfpm_gateway_schema></pre>
Dflyway.domain.placeholders.obtf pm.guarantees.server.port	OBTFPM - Guarantee services Server Credentials	<obtfpm.guarantees.server.port></obtfpm.guarantees.server.port>
Dflyway.domain.placeholders.obtf pm.guarantees.schemas	OBTFPM - Guarantee services Schema Credentials	<pre><obtfpm_guarantees_dat aseg_schema=""></obtfpm_guarantees_dat></pre>
Dflyway.domain.placeholders.obtf pm.letterofcredit.server.port	OBTFPM - Letter of credit services Server Credentials	<pre><obtfpm.letterofcredit.server.port></obtfpm.letterofcredit.server.port></pre>
Dflyway.domain.placeholders.obtf pm.letterofcredit.schemas	OBTFPM - Letter of credit services Schema Credentials	<pre><obtfpm_letter_of_credi t_schema=""></obtfpm_letter_of_credi></pre>
Dflyway.domain.placeholders.obtf pm.maintenance.server.port	OBTFPM - Maintenance services Server Credentials	<pre><obtfpm.maintenance.server.port></obtfpm.maintenance.server.port></pre>



Duran anti-	D	Walter
Property	Description	Values
Dflyway.domain.placeholders.obtf pm.maintenance.schemas	OBTFPM - Maintenance services Schema Credentials	<pre><obtfpm_maintenance_sc hema=""></obtfpm_maintenance_sc></pre>
Dflyway.domain.placeholders.obtf pm.orchestrator.server.port	OBTFPM - Orchestrator services Server Credentials	<obtfpm.orchestrator.server.port></obtfpm.orchestrator.server.port>
Dflyway.domain.placeholders.obtf pm.orchestrator.schemas	OBTFPM - Orchestrator services Schema Credentials	<pre><obtfpm_orchestrator_s chema=""></obtfpm_orchestrator_s></pre>
Dflyway.domain.placeholders.obtf pm.rso.maintenance.server.port	RSO services Server Credentials	<obtfpm.rso.server.port></obtfpm.rso.server.port>
Dflyway.domain.placeholders.obtf pm.rso.maintenance.schemas	RSO services Server Credentials	<obtfpm_rso_schema></obtfpm_rso_schema>
Dflyway.domain.placeholders.obtf pm.ai.integration.server.port	Al services Server Credentials	<pre><obtfpm.ai.integration.server.port></obtfpm.ai.integration.server.port></pre>
Dflyway.domain.placeholders.obtf pm.ai.integration.schema	Al services Server Credentials	<pre><obtfpm_ai_integration_s chema=""></obtfpm_ai_integration_s></pre>
Dflyway.domain.placeholders.obtf pm.stagemanagement.server.por t	OBTFPM - Stagemanagement Services Server Credentials	<obstyle="color: blue;"=""><obstyle="color: blue;"=""><obsty< td=""></obsty<></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:></obstyle="color:>
Dflyway.domain.placeholders.obtf pm.stagemanagement.schemas	OBTFPM - Stagemanagement Services Schema Credentials	<pre><obtfpm_stage_manageme nt_schema=""></obtfpm_stage_manageme></pre>
Dflyway.domain.placeholders.obtf pm.template.server.port	OBTFPM - Template services Server Credentials	<obtfpm.template.server.port></obtfpm.template.server.port>
Dflyway.domain.placeholders.obtf pm.template.schemas	OBTFPM - Template services Schema Credentials	<obtfpm_template_schem a=""></obtfpm_template_schem>
Dflyway.domain.placeholders.obtf pm.utility.server.port	OBTFPM - Utility Services Server Credentials	<obtfpm.utility.server.port></obtfpm.utility.server.port>
Dflyway.domain.placeholders.obtf pm.utility.schemas	OBTFPM - Utility Services Schema Credentials	<pre><obtfpm_utility_service_ schema=""></obtfpm_utility_service_></pre>
Dflyway.domain.placeholders.mo c.cmc-earmark- services.server.port	MIDOFFICE- cmc earmark services Server Credentials	<moc.cmc-earmark- services.server.port></moc.cmc-earmark-
Dflyway.domain.placeholders.EL CM_HTTP_URL	ELCM Gateway service -URL	<elcm_server_http_url></elcm_server_http_url>
Dflyway.domain.placeholders.ear mark-services	Earmark service Version	<earmark_service_versio N> {14.3}</earmark_service_versio
Dflyway.domain.placeholders.elc mProduct	ELCM Product Name	ELCM
Dflyway.domain.placeholders.mo c.cmc-comments- services.server.port	MIDOFFICE - cmc comments services Server Credentials	<moc.cmc-comments- services.server.port></moc.cmc-comments-
Dflyway.domain.placeholders.mo c.cmcDocument- services.server.port	MIDOFFICE - cmcDocument services Server Credentials	<moc.cmcdocument- services.server.port></moc.cmcdocument-
Dflyway.domain.placeholders.dm sServiceUrl	DMS service URL	<dms_service_url></dms_service_url>
Dflyway.domain.placeholders.dm sServiceUsrname	DMS service Credentials	<pre><dms_service_username></dms_service_username></pre>
Dflyway.domain.placeholders.dm sServicePwd	DMS service Credentials	<dms_service_password></dms_service_password>
Dflyway.domain.placeholders.cm c-applicationcategory- services.server.port	Common core-cmc applicationcategory services Server Credentials	<pre><cmc-applicationcategory- services.server.port=""></cmc-applicationcategory-></pre>



Property	Description	Values
Dflyway.domain.placeholders.cm	Common core-cmc	<pre><cmc-checklistmanagement-< pre=""></cmc-checklistmanagement-<></pre>
c-checklistmanagement- services.server.port	checklistmanagement services Server Credentials	services.server.port>
Dflyway.domain.placeholders.cm c-checklist-services.server.port	Common core-cmc checklist services Server Credentials	<pre><cmc-checklist- services.server.port=""></cmc-checklist-></pre>
Dflyway.domain.placeholders.cm c-mailnotification.server.port	Common core-cmc mailnotification Server Credentials	<pre><cmc- mailnotification.server.port=""></cmc-></pre>
Dflyway.domain.placeholders.cm c-kyccheck.server.port	Common core-cmc kyccheck Server Credentials	<cmc-kyccheck.server.port></cmc-kyccheck.server.port>
Dflyway.domain.placeholders.ser ver.port	MIDOFFICE - Server Credentials	<midoffice_services_por T_NO></midoffice_services_por
Dflyway.domain.placeholders.plat o-feed- services.feed.upload.directory	Plato Feed services - Upload Directory (valid directory in the plato server)	<plato_feed_services_up LOAD_DIRECTORY>{/upload}</plato_feed_services_up
Dflyway.domain.placeholders.plat o-feed-services.server.port	PLATO feed services server port	<pre><place <="" <<="" place="" td=""></place></pre>
Dflyway.domain.placeholders.plat o-feed-services.username	Plato schema Credentials	<plato_schema></plato_schema>
Dflyway.domain.placeholders.plat o-feed-services.password	Plato schema Credentials	<plato_schema_pwd></plato_schema_pwd>
Dflyway.domain.placeholders.plat o-feed-services.jdbcUrl	Plato schema - JDBC connection	<plato_schema_jdbc CONNECTION></plato_schema_jdbc
Dflyway.domain.placeholders.plat o-feed-services.schemas	Plato schema Credentials	<plato_schema></plato_schema>
Dflyway.domain.placeholders.plat o-batch-server.server.port	PLATO batch server server Credentials	<pre><plate="font-server"><plate="font-server"><plate="font-server"><pre><pre><pre><pre><pre><pre><pre><pre< td=""></pre<></pre></pre></pre></pre></pre></pre></pre></plate="font-server"></plate="font-server"></plate="font-server"></pre>
Dflyway.domain.placeholders.plat o.eventhub.broker.hosts	PLATO Event Hub Broker Host	<plato_eventhub_broker _HOSTS> {localhost}</plato_eventhub_broker
Dflyway.domain.placeholders.plat o.eventhub.zookeper.hosts	PLATO Event Hub ZOOKEPER Host	<plato_eventhub_zookep ER_HOSTS> {localhost}</plato_eventhub_zookep
Dflyway.domain.placeholders.plat o-batch-server.username	Plato schema Credentials	<plato_schema></plato_schema>
Dflyway.domain.placeholders.plat o-batch-server.password	Plato schema Credentials	<plato_schema_pwd></plato_schema_pwd>
Dflyway.domain.placeholders.plat o-batch-server.jdbcUrl	Plato schema - JDBC connection	<plato_schema_jdbc CONNECTION></plato_schema_jdbc
Dflyway.domain.placeholders.plat o-batch-server.schemas	Plato schema Credentials	<plato_schema></plato_schema>
Dflyway.domain.placeholders.plat o-alerts-management- services.server.port	PLATO alerts management services server Port	<pre><place <="" <<="" place="" td=""></place></pre>
Dflyway.domain.placeholders.plat o-alerts-management- services.username	Plato schema Credentials	<plato_schema></plato_schema>
Dflyway.domain.placeholders.plat o-alerts-management- services.password	Plato schema Credentials	<plato_schema_pwd></plato_schema_pwd>
Dflyway.domain.placeholders.plat o-alerts-management- services.jdbcUrl	Plato schema - JDBC connection	<plato_schema_jdbc CONNECTION></plato_schema_jdbc



Property	Description	Values
Dflyway.domain.placeholders.plat o-alerts-management- services.schemas	Plato schema Credentials	<plato_schema></plato_schema>
Dflyway.domain.placeholders.cm c-corebanking-adapter- service.server.port	Common core-cmc corebanking adapter service server Port	<pre><cmc-corebanking-adapter- service.server.port> {8080}</cmc-corebanking-adapter- </pre>
Dflyway.domain.placeholders.rab bitmq.password	RABBITMQ Credentials	<rabbitmq_password> {"RAbBITMQ"}</rabbitmq_password>
Dflyway.domain.placeholders.rab bitmq.userid	RABBITMQ Credentials	<rabbitmq_username> {"RAbBITMQ"}</rabbitmq_username>
Dflyway.domain.placeholders.rab bitmq.port	RABBITMQ port	<rabbitmq.port> {8090}</rabbitmq.port>
Dflyway.domain.placeholders.rab bitmq.host	RABBITMQ Host Name	<rabbitmq_hostname> {localhost}</rabbitmq_hostname>
Dflyway.domain.placeholders.cm c-currency-services.server.port	Common core-cmc currency services server Port	<pre><cmc-currency- services.server.port=""></cmc-currency-></pre>
Dflyway.domain.placeholders.cm c-businessoverrides- services.server.port	Common core-cmc businessoverrides services server - Port	<pre><cmc-businessoverrides- services.server.port=""></cmc-businessoverrides-></pre>
Dflyway.domain.placeholders.cm cDatasegment- services.server.port	Common core-cmcDatasegment services server - Port	<pre><cmcdatasegment- services.server.port="">{8080}</cmcdatasegment-></pre>
Dflyway.domain.placeholders.cm c-external-chart-account- services.server.port	Common core-cmc external chart account services server - Port	<pre><cmc-external-chart-account- services.server.port=""> {8091}</cmc-external-chart-account-></pre>
Dflyway.domain.placeholders.cm c-external-system- services.server.port	Common core-cmc external system services server - Port	<pre><cmc-external-system- services.server.port=""> {8080}</cmc-external-system-></pre>
Dflyway.domain.placeholders.cm c-external-virtual-account- services.server.port	Common core-cmc external virtual account services server - Port	<pre><cmc-external-virtual-account- services.server.port="">{8080}</cmc-external-virtual-account-></pre>
Dflyway.domain.placeholders.cm c-report-services.server.port	Common core-cmc report services server credentials	<pre><cmc-report- services.server.port=""></cmc-report-></pre>
Dflyway.domain.placeholders.we blogic.userid	Weblogic server credentials	<pre><weblogic_username> {weblogic server where cmc- report-service is deployed}</weblogic_username></pre>
Dflyway.domain.placeholders.we blogic.password	Weblogic server credentials	<pre><weblogic_password> {weblogic server password where cmc-report-service is deploed}</weblogic_password></pre>
Dflyway.domain.placeholders.run ReportTemplate	Report path in the server where the cmc-report-service is deployed	templates/12.3/RunReport.vm
Dflyway.domain.placeholders.em ailTemplate	Report path in the server where the cmc-report-service is deployed	templates/12.3/BIPEMail.vm
Dflyway.domain.placeholders.dm s.host	DMS server Host	<pre><dms_service_hostname></dms_service_hostname></pre>
Dflyway.domain.placeholders.dm s.port	DMS server Port	<dms_service_port_no></dms_service_port_no>
Dflyway.domain.placeholders.biP ublisher.port	BIPUBLISHER server Port	BIP server Port



Property	Description	Values
Dflyway.domain.placeholders.biP ublisher.host	BIPUBLISHER server Host	BIP server Host
Dflyway.domain.placeholders.cm c-resource-segment-orchestrator- service.server.port	Common core-cmc resource segment orchestrator service server port	<pre><cmc-resource-segment- orchestrator-="" service.server.port="">{8080}</cmc-resource-segment-></pre>
Dflyway.domain.placeholders.cm c-screenclass- services.server.port	Common core-cmc screenclass services server port	<pre><cmc-screenclass- services.server.port>{8080}</cmc-screenclass- </pre>
Dflyway.domain.placeholders.cm c-txn-code-services.server.port	Common core-cmc txn code services server port	<pre><cmc-txn-code- services.server.port=""> {8080}</cmc-txn-code-></pre>
Dflyway.domain.placeholders.cm c-nlp-annotator- services.server.port	Common core-cmc nlp annotator services server port	<pre><cmc-nlp-annotator- services.server.port>{8080}</cmc-nlp-annotator- </pre>
Dflyway.domain.placeholders.cm c-nlpDashboard-widget- services.server.port	Common core-cmc nlpDashboard widget services server port	<pre><cmc-nlpdashboard-widget- services.server.port> {8080}</cmc-nlpdashboard-widget- </pre>
Dflyway.domain.placeholders.cm c-nlp-model-mngmnt- services.server.port	Common core-cmc nlp model mngmnt services server port	<pre><cmc-nlp-model-mngmnt- services.server.port>{8080}</cmc-nlp-model-mngmnt- </pre>
Dflyway.domain.placeholders.cm c-nlp-online-processing- services.server.port	Common core-cmc nlp online processing services server port	<pre><cmc-nlp-online-processing- services.server.port>{8080}</cmc-nlp-online-processing- </pre>
Dflyway.domain.placeholders.cm c-nlp-tag-maint- services.server.port	Common core-cmc nlp tag maint services server port	<pre><cmc-nlp-tag-maint- services.server.port>{8080}</cmc-nlp-tag-maint- </pre>
Dflyway.domain.placeholders.cm c-nlp-text-extraction- services.server.port	Common core-cmc nlp text extraction services server port	<pre><cmc-nlp-text-extraction- services.server.port>{8080}</cmc-nlp-text-extraction- </pre>
Dflyway.domain.placeholders.cm c-nlp-txn-log-services.server.port	Common core-cmc nlp txn log services server port	<pre><cmc-nlp-txn-log- services.server.port>{8080}</cmc-nlp-txn-log- </pre>
Dflyway.domain.placeholders.cm c-nlp-util-services.server.port	Common core-cmc nlp util services server port	<pre><cmc-nlp-util- services.server.port="">{8080}</cmc-nlp-util-></pre>
Dflyway.domain.placeholders.cm c-fc-ai-ml-services.server.port	Common core-cmc fc ai ml services server port	<pre><cmc-fc-ai-ml- services.server.port="">{8080}</cmc-fc-ai-ml-></pre>
Dflyway.domain.placeholders.cm c-fc-ai-ml-services.postingPath	Common core-CMC FC AI ML POSTING PATH	<cmc_fc_ai_ml_posting_p ATH> {Valid path}{/ml-posting- path}</cmc_fc_ai_ml_posting_p
Dflyway.domain.placeholders.cm c-fc-ai-ml-services.pollingEmail	Common core-CMC FC AI ML POLLING EMAIL	<cmc_fc_ai_ml_polling_e MAIL> {valid mail id}</cmc_fc_ai_ml_polling_e
Dflyway.domain.placeholders.cm c-fc-ai-ml- services.emailServerPort	Common core-cmc fc ai ml services emailServerPort	<pre><cmc-fc-ai-ml- services.emailserverport=""> {8080}</cmc-fc-ai-ml-></pre>
Dflyway.domain.placeholders.cm c-fc-ai-ml- services.emailServerHost	Common core-CMC FC AI ML EMAIL SERVER HOST	<cmc_fc_ai_ml_email_ser VER_HOST> {localhost}</cmc_fc_ai_ml_email_ser
Dflyway.domain.placeholders.cm c-fc-ai-ml- services.pollingFrequency	Common core-CMC FC AI ML POLLING FREQUENCY	<cmc_fc_ai_ml_polling_f REQUENCY> {1}</cmc_fc_ai_ml_polling_f
Dflyway.domain.placeholders.cm c-fc-ai-ml- services.pollerInitialDelay	Common core-CMC FC AI ML POLLER INITIAL DELAY	<cmc_fc_ai_ml_poller_ini TIAL_DELAY> {1000}</cmc_fc_ai_ml_poller_ini



Property	Description	Values
Dflyway.domain.placeholders.cm c-fc-ai-ml- services.emailPassword	Common core-CMC FC AI ML EMAIL PASSWORD	<cmc_fc_ai_ml_email_pass WORD> {encrypted pwd} {P@\$\$w0rd}</cmc_fc_ai_ml_email_pass
Dflyway.domain.placeholders.cm c-fc-ai-ml-services.pollingPath	Common core-CMC FC AI ML POLLING PATH	<cmc_fc_ai_ml_polling_pa TH> {valid unix path}{/ml-posting- ath}</cmc_fc_ai_ml_polling_pa
Dflyway.domain.placeholders.US ER.STORE	LDAP User Store	<ldap_user_store></ldap_user_store>
Dflyway.domain.placeholders.LD AP.CORS.allowed.origin	LDAP CORS ALLOWED ORIGIN IP	<ldap_cors_allowed_ori GIN_IP></ldap_cors_allowed_ori
Dflyway.domain.placeholders.LD AP.credential.SALT	LDAP CREDENTIAL SALT	<ldap_credential_salt></ldap_credential_salt>
Dflyway.domain.placeholders.JW T.EXPIRY.seconds	JWT EXPIRTY IN SECONDS	<pre><jwt_expirty_in_seconds></jwt_expirty_in_seconds></pre>
Dflyway.domain.placeholders.LD AP.url	LDAP Connection URL	<ldap_connection_url></ldap_connection_url>
Dflyway.domain.placeholders.LD AP.userId	LDAP USER Credentials	<ldap_user_id></ldap_user_id>
Dflyway.domain.placeholders.LD AP.server.base	LDAP SERVER BASE	<ldap_server_base></ldap_server_base>
Dflyway.domain.placeholders.LD AP.server.credential	LDAP SERVER Credentials ENCRYPTED	<pre><ldap_server_credentail s_encrypted=""></ldap_server_credentail></pre>
Dflyway.domain.placeholders.LD AP.usersearch.base	LDAP user search base	dc=oracle,dc=com
Dflyway.domain.placeholders.LD AP.user.prefix	LDAP user prefix	uid
Dflyway.domain.placeholders.LD AP.provider	LDAP provider	LDAP
Dflyway.domain.placeholders.TO KEN.autoregenerate	Token crendentials	false
Dflyway.domain.placeholders.SS O.enabled	SSO enabled	false
Dflyway.domain.placeholders.TO KEN.regeneration.enabled	Token crendentials	false
Dflyway.domain.placeholders.cm c-batch-services.server.port	Common core-cmc batch services server credentials	<pre><cmc-batch- services.server.port="">{8080}</cmc-batch-></pre>
Dflyway.domain.placeholders.plat o-config.sessionIdleTimeout	PLATO- session Idle Timeout	<plato_config_session_id LE_TIMEOUT></plato_config_session_id
Dflyway.domain.placeholders.plat o-config.sessionIdleWarningTime	PLATO- session Idle Warning Time	<pre><plato_config_session_id le_warning_timeout=""></plato_config_session_id></pre>
Dflyway.domain.placeholders.plat o-config.environment	PLATO- Config environment	<plato_config_environme NT></plato_config_environme
Dflyway.domain.placeholders.cm c-obrh-services.server.port	OBRH services Port	<pre>< cmc-obrh-services.server.port >{7008}</pre>
Dflyway.domain.placeholders.cm c-obrh-services.server.port	OBRH service schema - JDBC connection	<commoncore_schema_jd BC CONNECTION></commoncore_schema_jd
		jdbc/CMNCORE
Dflyway.platoui.placeholders.apig ateway.protocol	Protocol to be used for API Gateway	http



1.4 Execution of Environment Variable

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

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

1.4.1 Plato Config Service Startup Parametrization

This topic contains following sub-topics:

<u>Plato Services Deployment</u>
 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:

- a. Download and install Web Logic Remote Console.
- Configure Web Logic Remote Console with Web Logic Host and Port, Username and Password.
- c. Select servers in the "Environment" section.
- d. Choose Runtime Data Monitoring Tree view in right pane.
- e. Select the managed server (Managed server where the Plato Config Service is deployed).
- f. Start the selected managed server by clicking on "Start" option.



Figure 1-1 Web Logic Remote Console

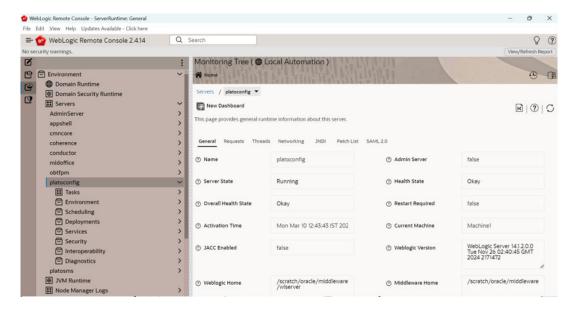
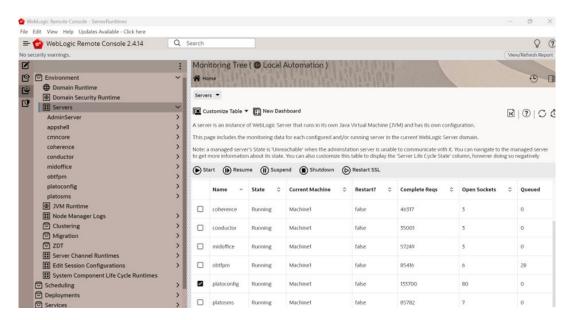


Figure 1-2 Web Logic Remote Console - Servers



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.

- Go to the Web Logic installation path (FMW installation path) in the Web Logic server where the plato, sms, common core, mid office core and OBTFPM services are installed.
- Go to location : Middleware/Oracle Home/user_projects/domains/plato_domain/bin.
- Modify the setDomainEnv.sh file and add the JAVA_OPTIONS parameter as explained below:



WLS_MEM_ARGS_64BIT="-Xms512m -Xmx8192m"

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

(i) 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

SQLCL Deployment

This topic explains about SQLCL deployment.

Prerequisites

This topic describes about the prerequisites for the SQLCL deployment.

Required Inputs for plato-sqlcl-deployer

This topic describes about the inputs required for plato-sqlcl-developer.

Deployer Folder Structure

This topic describes about the deployer folder structure.

Command to Execute Deployer

This topic describes abou the command to execute deployer.

- Deployment Scenarios
- Post-Deployment Verification

This topic describes about the post-deployment verification.

Placeholder Management(placeholder.properties)

This topic provides the systematic instructions for placeholder management.

Notes/Troubleshooting

This topic describes about the notes and troubleshooting issues.

2.1 Prerequisites

This topic describes about the prerequisites for the SQLCL deployment.

Follow the prerequisites before the SQLCL deployment.

- Linux server with Java 17 and SQLcl version 23+ installed(added to PATH).
- Prepare placeholder.properties with all parameter.* keys used by SQL files; avoid trailing spaces in values.
- If corporate proxies are required, export http(s)_proxy/HTTP(S)_PROXY and NO_PROXY as per the environment.
- Encrypt DB credentials using salt. Keep salt and encrypted values aligned with sqlclconfig.properties.

2.2 Required Inputs for plato-sqlcl-deployer

This topic describes about the inputs required for plato-sqlcl-developer.

The following are the inputs required for plato-sqlcl-developer.

- <service>-<version>-db.zip (from service build).
- sqlclconfig.properties (inside db.zip at db/properties).
- placeholder.properties (at deployer/properties).
- releaseCatalog.json (at deployer/properties).



- setUserOverrides.sh to export env variables for placeholders and DB connection per service.
- Salt and encrypted DB credentials as per security tool kit.

2.3 Deployer Folder Structure

This topic describes about the deployer folder structure.

2.4 Command to Execute Deployer

This topic describes abou the command to execute deployer.

2.5 Deployment Scenarios

This topic contains the following sub-topics:

- Greenfield (New Blank Schema)

 This tank describes about the greenfield (New Blank Schema)

 This tank describes about the greenfield (New Blank Schema)

 This tank describes about the greenfield (New Blank Schema).
 - This topic describes about the greenfield(New Blank Schema).
- Brownfield Upgrade 14.8.0 (9.6.0) to 14.8.1 (10.1.0)
- This topic describes about the brownfield upgrade.

 Upgrade 14.7.4 (9.4.0) to 14.8.1 (10.1.0)
- This topic describes about upgrade 14.7.4 (9.4.0) to 14.8.1 (10.1.0).
- Upgrade 14.8.0.x (9.6.x) to 14.8.1 (10.1.0)
 This topic describes about the upgrade 14.8.0.x (9.6.x) to 14.8.1 (10.1.0).
- <u>Upgrade 14.8.0.104.0 (9.6.2) to 14.8.1 (10.1.0)</u> This topic provides the systematic instruction to upgrade 14.8.0.104.0 (9.6.2) to 14.8.1 (10.1.0).

2.5.1 Greenfield (New Blank Schema)

This topic describes about the greenfield(New Blank Schema).



Use full option; changelogVersion set to current version (Example, 10.1.0); changelogSync=false.

Example: releaseCatalog.json

```
"releaseVersion": "14.8.0.0.0",
      "stopOnFailure": "true",
      "deployments":
           "service": "plato-config-service",
           "artifactVersion": "10.1.0",
           "changelogVersion": "10.1.0",
           "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
           "option": "Full",
           "changelogSync": false
           "service": "plato-api-gateway",
           "artifactVersion": "10.1.0",
           "changelogVersion": "10.1.0",
           "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
           "option": "Full",
           "changelogSync": false
       ]
```

2.5.2 Brownfield Upgrade 14.8.0 (9.6.0) to 14.8.1 (10.1.0)

This topic describes about the brownfield upgrade.

Follow the steps to upgrade brownfield 14.8.0 (9.6.0) to 14.8.1 (10.1.0):

History Sync

 Full, changelogVersion=9.6.0, changelogSync=true. Do not execute scripts, only update DATABASECHANGELOG.

Example:

```
{
   "releaseVersion":"14.8.0.0.0",
   "stopOnFailure":"true",
   "deployments":
   [
    {
       "service": "plato-config-service",
       "artifactVersion": "10.1.0",
       "changelogVersion": "9.6.0",
       "groupId": "dev.obma.plato.24_6_0_flyway_sql_migration.services",
       "option": "Full",
```



```
"changelogSync": true
},
{
    "service": "plato-api-gateway",
    "artifactVersion": "10.1.0",
    "changelogVersion": "9.6.0",
    "groupId":
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
    "option": "Full",
    "changelogSync": true
}
}
```

(i) Note

Verify DATABASECHANGELOG entries for all schemas (filenames and ORDEREXECUTED).

History Sync with changelogSync=false

Full, changelogVersion=9.6.0, changelogSync=false. Only update DATABASECHANGELOG;

Example:

(i) Note

This step will update only the DATABASECHANGELOG entries for the target schema as per changelogVersion, without applying any scripts.

Delta Execution

3. Incremental, changelogVersion=10.1.0, changelogSync=false.



Example:

```
"releaseVersion": "14.8.0.0.0",
        "stopOnFailure": "true",
        "deployments":
           "service": "plato-config-service",
           "artifactVersion": "10.1.0",
           "changelogVersion": "10.1.0",
           "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
           "option": "Incremental",
           "changelogSync": false
           "service": "plato-api-gateway",
           "artifactVersion": "10.1.0",
           "changelogVersion": "10.1.0",
           "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
           "option": "Incremental",
           "changelogSync": false
        ]
```

2.5.3 Upgrade 14.7.4 (9.4.0) to 14.8.1 (10.1.0)

This topic describes about upgrade 14.7.4 (9.4.0) to 14.8.1 (10.1.0).

Baseline to 14.8.0 (last Flyway-supported) and follow 5.2 (sync 9.6.0, then incremental 10.1.0).

2.5.4 Upgrade 14.8.0.x (9.6.x) to 14.8.1 (10.1.0)

This topic describes about the upgrade 14.8.0.x (9.6.x) to 14.8.1 (10.1.0).

Follow the options to upgrade:

- Option 1: sync history up to 9.6.0 then execute 10.1.0 Incremental (see 5.2).
- Option 2: sync to the last patch level (Example, 9.6.2), then execute 10.1.0 Full.

2.5.5 Upgrade 14.8.0.104.0 (9.6.2) to 14.8.1 (10.1.0)

This topic provides the systematic instruction to upgrade 14.8.0.104.0 (9.6.2) to 14.8.1 (10.1.0).

Follow the steps to upgrade 14.8.0.104.0 (9.6.2) to 14.8.1 (10.1.0).

History Sync to 9.6.2

1. Generate db.zip for 9.6.2 via Migration Utility; Full with changelogSync=true.



Example:

```
"releaseVersion": "14.8.0.0.0",
      "stopOnFailure": "true",
      "deployments":
      Γ
        "service": "plato-config-service",
        "artifactVersion": "9.6.2",
        "changelogVersion": "9.6.2",
        "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
        "option": "Full",
        "changelogSync": true
        "service": "plato-api-gateway",
        "artifactVersion": "9.6.2",
        "changelogVersion": "9.6.2",
        "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
        "option": "Full",
        "changelogSync": true
     ]
   }
```

Execution 10.1.0

2. Full with changelogSync=false.

Example:

```
"releaseVersion": "14.8.0.0.0",
        "stopOnFailure": "true",
        "deployments":
       [
          "service": "plato-config-service",
          "artifactVersion": "10.1.0",
          "changelogVersion": "10.1.0",
          "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
          "option": "Full",
          "changelogSync": false
          "service": "plato-api-gateway",
          "artifactVersion": "10.1.0",
          "changelogVersion": "10.1.0",
          "groupId" :
"dev.obma.plato.24_6_0_flyway_sql_migration.services",
          "option": "Full",
```



```
"changelogSync": false
}
]
```

2.6 Post-Deployment Verification

This topic describes about the post-deployment verification.

Follow the below steps for post-deployment verification.

- 1. Verify DATABASECHANGELOG in each target schema: filenames, ORDEREXECUTED.
- Optional schema compare in SQL Developer; expect only DATABASECHANGELOG tables as differences.
- 3. Ignore the differences due to auto-increment sequence names if those are dynamic.

2.7 Placeholder Management(placeholder.properties)

This topic provides the systematic instructions for placeholder management.

- Maintain all placeholders used by SQL as parameter.
- 2. Do not change values of existing placeholders used in already-executed scripts (to avoid checksum errors).
- 3. Create new placeholder keys for new updates instead of reusing old ones.
- 4. To extract existing Flyway placeholders from PROPERTIES table: select REGEXP_REPLACE(key,'^flyway\..*\.placeholders\.','parameter.') ||'=' || value from Properties where key like '%.placeholders.%';
- 5. Also refer setUserOverrides.sh for placeholders not defined in PROPERTIES.

2.8 Notes/Troubleshooting

This topic describes about the notes and troubleshooting issues.

- Use Linux version of plato-sqlcl-deployer if SQLcl connection errors are observed on Windows.
- Verify encrypted DB credentials align with salt, re-encrypt if password changed.

Domain and Cluster Configuration

• Common Core Domain Configuration

3.1 Common Core Domain Configuration

This topic contains following sub-topics:

- Pre-requisites
- Steps to Create Domain

3.1.1 Pre-requisites

Following are the prerequisites of the Domain and Cluster Configuration.

- Machine should have Java JDK 17.0.11 installed.
- Oracle Fusion Middleware 14c (14.1.2.0.0) must be installed on the machine.

3.1.2 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".

Data Sources Creation

This topic contains following sub-topics:

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

4.1 Pre-requisites

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

4.2 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	ОВТГРМ
PLATO Security	jdbc/PLATO_SECURITY	ОВТГРМ
Plato UI Config	jdbc/PLATO_UI_CONFIG	ОВТГРМ
Plato Feed	jdbc/PLATOFEED	cmncore, midoffice, obtfpm, platoconfig, platosms
Plato Alerts	jdbc/PLATOALERTS	platosms
Plato Batch	jdbc/PLATOBATCH	cmncore, obtfpm, platoconfig, platosms
SMS	jdbc/sms	ОВТГРМ
CMNCORE	jdbc/CMNCORE	ОВТГРМ
MIDOFFICE COMMON CORE	jdbc/MIDOFFICECORE	ОВТГРМ
Conductor	jdbc/PLATO-O	conductor, obtfpm, platosms
obtfpm-adapter-services	jdbc/OBTFPMADAPTER	ОВТГРМ
obtfpm-alert-servcies	jdbc/OBTFPMALERT	ОВТГРМ
obtfpm-ai-integration-services	jdbc/OBTFPMGENAI	ОВТГРМ
obtfpm-common-datasegments- services	jdbc/OBTFPMCOMMONDS	ОВТЕРМ
obtfpm-datasegments- management-services	jdbc/OBTFPMDSMGMT	ОВТГРМ
obtfpm-documentarycollections- datasegments-services	jdbc/OBTFPMDOCCOLLECTDS	ОВТГРМ
obtfpm-drawings-datasegments- services	jdbc/OBTFPMDRAWINGSDS	ОВТГРМ



Data Source Name	Data source JNDI	Targets
obtfpm-extsys-replicated-data- provider-services	jdbc/OBTFPMEXTSYSREPDATA	ОВТГРМ
obtfpm-gateway-services	jdbc/OBTFPMGW	ОВТГРМ
obtfpm-guarantees- datasegments-services	jdbc/OBTFPMGUARANTEEDS	ОВТЕРМ
obtfpm-letterofcredits- datasegments-services	jdbc/ OBTFPMLETTERCREDITDS	ОВТГРМ
obtfpm-maintenance-services	jdbc/ OBTFPMMOMAINTENANCE	ОВТГРМ
obtfpm-orchestrator-services	jdbc/OBTFPMORCHESTRATOR	ОВТГРМ
obtfpm-rso-maintenance-services	jdbc/ OBTFPMRSOMAINTENANCE	ОВТГРМ
obtfpm-stage-management- services	jdbc/ OBTFPMSTAGEMANAGEMNT	ОВТГРМ
obtfpm-template-services	jdbc/OBTFPMTEMPLATE	ОВТГРМ
obtfpm-utility-services	jdbc/OBTFPMUTILITY	ОВТГРМ
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.

4.3 Creating Data Source

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

4.4 Checking JNDI Access for Server

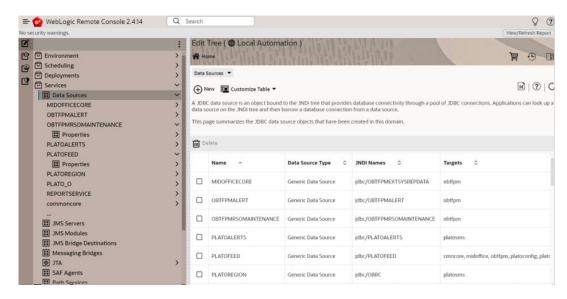
This topic provides systematic instruction for Checking JNDI Access for Server.

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

- Open WebLogic Remote Console and go to Data Sources under Services on the left side pane.
- 2. Data Sources summary will be displayed on the right pane.
- Click on any Data Source listed. Below page will be displayed and JNDI Name will be displayed under General tab.

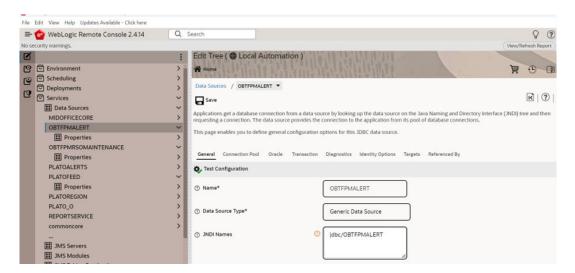


Figure 4-1 WebLogic Remote Console - Data Sources



All the required Data Sources should be listed here in above summary. Details of each data source can be seen on clicking the particular Data Source.

Figure 4-2 WebLogic Remote Console - Data Sources



Deployments

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

5.1 Pre-requisite

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

5.2 Deployments List

This topic contains following sub-topics:

- 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

5.2.1 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.

Table 5-1 Plato Services Deployment Table

		_	
Application	Archive name	OSDC path	Targets
plato-config-service	plato-config- service-9.6.0.war	{unzip the file} PLATO\plato-config- service\	Config Server
plato-discovery-service	plato-discovery- service-9.6.0.war	{unzip the file} PLATO\plato-discovery- service\	Discovery Server
Plato-api-gateway	plato-api- gateway-9.6.0.war	{unzip the file} PLATO\plato-api- gateway\	Api Gateway
Plato-ui-config-service	Plato-ui-config- service-9.6.0.war	{unzip the file} PLATO\plato-ui-config- service\	Plato UI Config



Table 5-1 (Cont.) Plato Services Deployment Table

Application	Archive name	OSDC path	Targets
plato-batch-server	plato-batch- server-9.6.0.war	{unzip the file} PLATO\plato-batch- service\	Plato Batch
plato-coherence-server	plato-coherence- server.9.6.0.war	{unzip the file} PLATO\plato-coherence- server\	Plato Coherence
plato-feed-services	plato-feed- services-9.6.0.war	{unzip the file} PLATO\plato-feed- services\	Plato Feed
plato-rule-service	plato-rule- service-9.6.0.war	{unzip the file} PLATO\plato-rule- services\	Plato Rule
plato-alerts- management-services	plato-alerts- management- services.9.6.0.war	{unzip the file} PLATO\plato-alerts- management-services\	Plato Alert Management
plato-transport-services	plato-transport- services.9.6.0.war	{unzip the file} PLATO\plato-transport- services\	Plato Transport
plato-report-services	plato-report- services.9.6.0.war	{unzip the file} PLATO\plato-report- services\	Plato Report

5.2.2 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-9.6.0.war	< <base path=""/> >\SMS\sms-core- services

5.2.3 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-9.6.0.wa r	{unzip the file} PLATO\plato-orch- service\	Plato-Orch- Service

5.2.4 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-9.6.0.war	< <base path=""/> >\PLATO\cmc- account-services	CommonCore
cmc-additional- attributes-services	cmc-additional- attributes- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- additional-attributes- services	CommonCore
cmc-advice-services	cmc-advice- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- advice-services	CommonCore
cmc-base-services	cmc-base- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- base-services	CommonCore
cmc-branch-services	cmc-branch- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- branch-services	CommonCore
cmc-businessoverrides- services	cmc-businessoverrides- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- businessoverrides- services	CommonCore
cmc-currency-services	cmc-currency- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- currency-services	CommonCore
cmc-customer-services	cmc-customer- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- customer-services	CommonCore
cmc-datasegment- services	cmc-datasegment- services.9.6.0.war	< <base path=""/> >\PLATO\cmc- datasegment-services	CommonCore
cmc-external-chart- account	cmc-external-chart- account.9.6.0.war	< <base path=""/> >\PLATO\cmc- external-chart-account	CommonCore
cmc-external-system- services	cmc-external-system- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- external-system- services	CommonCore
cmc-external-virtual- account-services	cmc-external-virtual- account- services-9.6.0.war	< <base path=""/> >\PLATO\ cmc- external-virtual-account- services	CommonCore
cmc-facilities-service	cmc-facilities- service-9.6.0.war	< <base PATH>>\PLATO\cmc- facilities-service</base 	CommonCore
cmc-fc-ai-ml-services	cmc-fc-ai-ml- services-9.6.0.war	< <base PATH>>\PLATO\cmc-fc- ai-ml-services</base 	CommonCore
cmc-limits-collaterals- services	cmc-limits-collaterals- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- limits-collaterals- services	CommonCore
cmc-mis-services	cmc-mis- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- mis-services	CommonCore



Application	Archive name	OSDC path	Targets
cmc-ml-indb-services	cmc-ml-indb- services-9.6.0.war	< <base PATH>>\PLATO\ cmc- ml-indb-services</base 	CommonCore
cmc-obrh-service	cmc-obrh- service-9.6.0.war	< <base PATH>>\PLATO\cmc- obrh-service</base 	CommonCore
cmc-resourceclass- services	cmc-resourceclass- services-9.6.0.war	< <base PATH>>\PLATO\cmc- resourceclass-services</base 	CommonCore
cmc-resource-segment- orchestrator-service	cmc-resource-segment- orchestrator- service-9.6.0.war	< <base path=""/> >\PLATO\cmc- resource-segment- orchestrator-service	CommonCore
cmc-screenclass- services	cmc-screenclass- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- screenclass-services	CommonCore
cmc-settlements- services	cmc-settlements- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- settlements-services	CommonCore
cmc-nlp-dashboard- widget-services	cmc-nlp-dashboard- widget- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- nlp-dashboard-widget- services	CommonCore
cmc-nlp-docview- services	cmc-nlp-docview- services-9.6.0.war	< <base PATH>>\PLATO\cmc- nlp-docview-services</base 	CommonCore
cmc-nlp-maintenance- services	cmc-nlp-maintenance- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- nlp-maintenance- services	CommonCore
cmc-nlp-pipeline- services	cmc-nlp-pipeline- services-9.6.0.war	< <base PATH>>\PLATO\cmc- nlp-pipeline-services</base 	CommonCore
cmc-nlp-text-extraction- services	cmc-nlp-text-extraction- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- nlp-text-extraction- services	CommonCore
cmc- transactioncontroller- services	cmc- transactioncontroller- services-9.6.0.war	< <base path=""/> >\PLATO\cmc- transactioncontroller- services	CommonCore

5.2.5 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.



Table 5-2 Mid Office Common Services Deployment

Application	Archive name	OSDC Path	Targets
cmc- applicationcategory- services	cmc- applicationcategory- services-9.6.0.war	< <base path=""/> >\MID_OFFICE_C OMMON_CORE\cmc- applicationcategory- services	MOCCORE
cmc-checklist-services	cmc-checklist- services-9.6.0.war	< <base path=""/> >\ \MID_OFFICE_COMMO N_CORE\cmc-checklist- services	MOCCORE
cmc- checklistmanagement- services	cmc- checklistmanagement- services-9.6.0.war	< <base path=""/> >\ \MID_OFFICE_COMMO N_CORE\cmc- checklistmanagement- services	MOCCORE
cmc-comments-services	cmc-comments- services-9.6.0.war	< <base path=""/> >\ \MID_OFFICE_COMMO N_CORE\cmc- comments-services	MOCCORE
cmc-document-services	cmc-document- services-9.6.0.war	< <base path=""/> >\0\MID_OFFICE_ COMMON_CORE\cmc- document-services	MOCCORE
cmc- documentmanagement- services	cmc- documentmanagement- services-9.6.0.war	< <base path=""/> >\ \MID_OFFICE_COMMO N_CORE\cmc- documentmanagement- services	MOCCORE
cmc-mailnotification- services	cmc-mailnotification- services-9.6.0.war	< <base path=""/> >\MID_OFFICE_C OMMON_CORE\cmc- mailnotification-services	MOCCORE
cmc-priority-service	cmc-priority- service-9.6.0.war	< <base path=""/> >\MID_OFFICE_C OMN_CORE\cmc- priorityservice	MOCCORE
cmc-processcode- service	cmc-processcode- service-9.6.0.war	< <base path=""/> >\MID_OFFICE_C OMMON_CORE\cmc- processcode-service	MOCCORE
cmc- sequencegenerator- services	cmc- sequencegenerator- services-9.6.0.war	< <base path=""/> >\MID_OFFICE_C OMMON_CORE\cmc- sequencegenerator- services	MOCCORE
cmc-sla-services	cmc-sla- services-9.6.0.war	< <base path=""/> >\MID_OFFICE_C OMMON_CORE\cmc- sla-services	MOCCORE



5.2.6 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.



(i) Note

Make sure that the environment variables are set appropriately before the deployment.

Table 5-3 OBTFPM Services Deployment Table

			_
S.No	Service Name	Archive Name	OSDC path
1.	obtfpm-adapter-services	obtfpm-adapter- services-9.6.0.war	< <base path=""/> >\OBTFPM_SERV ICES\obtfpm-adapter- services
2.	obtfpm-alert-services	obtfpm-alert- services-9.6.0.war	< <base path=""/> >\OBTFPM_SERV ICES\obtfpm-alert- services
3.	obtfpm-batch-jobs	obtfpm-batch- jobs-9.6.0.war	< <base path=""/> >\OBTFPM_SERV ICES\obtfpm-batch-jobs
4.	obtfpm-common- datasegments-services	obtfpm-common- datasegments- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm-common- datasegments-services
5.	obtfpm-datasegments- management-services	obtfpm-datasegments- management- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- datasegments- management-services
6.	obtfpm- documentarycollections- datasegments-services	obtfpm- documentarycollections- datasegments- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- documentarycollections- datasegments-services
7.	obtfpm-drawings- datasegments-services	obtfpm-drawings- datasegments- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm-drawings- datasegments-services
8.	obtfpm-extsys- replicated-data-provider- services	obtfpm-extsys- replicated-data-provider- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm-extsys- replicated-data-provider- services
9.	obtfpm-gateway- services	obtfpm-gateway- services-9.6.0.war	< <base PATH>>\OBTFPM_SER VICES\obtfpm-gateway- services</base



Table 5-3 (Cont.) OBTFPM Services Deployment Table

S.No	Service Name	Archive Name	OSDC path
10.	obtfpm-guarantees- datasegments-services	obtfpm-guarantees- datasegments- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- guarantees- datasegments-services
11.	obtfpm-letterofcredits- datasegments-services	obtfpm-letterofcredits- datasegments- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- letterofcredits- datasegments-services
12.	obtfpm-maintenance- services	obtfpm-maintenance- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- maintenance-services
13.	obtfpm-orchestrator- services	obtfpm-orchestrator- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- orchestrator-services
14.	obtfpm-rso- maintenance-services	obtfpm-rso- maintenance- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\ obtfpm-rso- maintenance-services
15.	obtfpm-stage- management-services	obtfpm-stage- management- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm-stage- management-services
16.	obtfpm-subscriber- services	obtfpm-subscriber- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm- subscriber-services
17.	obtfpm-template- services	obtfpm-template- services-9.6.0.war	\< <base path=""/> >\OBTFPM_SER VICES\obtfpm-template- services
18.	obtfpm-utility-services	obtfpm-utility- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm-utility- services
19.	obtfpm-shipping- guarantee-services	obtfpm-shipping- guarantee- services-9.6.0.war	< <base path=""/> >\OBTFPM_SER VICES\obtfpm-shipping- guarantee-services

5.2.7 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



Table 5-4 OBTFPM – OBRH Configuration Deployment Table

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_FC UBS145_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.	OBTR	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\ OBTFPM145_OBTR145_Consumer.json
6.	OBCL	obtfpm_osdc_14.5\OBTFPM_SERVICES\OBRH_CONFIG\14.5\OBTFPM145_OBCL145_Consumer.json

5.3 Steps to Deploy as Application

To deploy application, refer **Configuration_and_Deployment_Guide** section "**How to deploy**" section.

User Interface Installation

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

6.1 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.

6.2 Domain and Cluster Configuration

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

6.2.1 Pre-requisites

FOllowing are the pre-requisites for User Interface Installation:

- Machine should have Java JDK17.0.11 installed.
- Oracle Fusion Middleware 14c (14.1.2.0.0) must be installed on the machine.

6.2.2 Create Domain and Cluster Configuration

Refer "Configuration and Deployment Guide" document, section 'How to Create Domain and Cluster Configuration'.

6.2.3 Post Domain Creation Configurations

Refer "Configuration and Deployment Guide" document, section 'Post Domain Creation Configurations'.

6.3 Deployments

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



6.3.1 Steps to Deploy as Application

This topic provides systematic instruction to deploy as application.

(i) Note

Server names, Domain names need not to be same as this doc provides.

Steps to Deploy archives as application on Web Logic 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 Web Logic.

- 1. Copy the application war file available under UI/APP/ARCHIVE folder.
- 2. Open Web Logic Remote Console and navigate to the Deployments > App Deployments.
- 3. Choose App Deployments Edit Tree.
- 4. Click on "New" button in right pane and deploy App Shell with "appshell" as target.

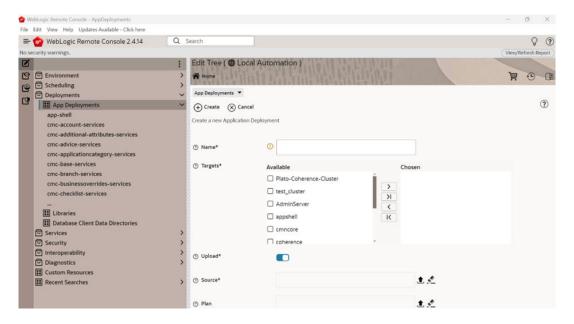
File Edit View Help Updates Available - Click here ⇒ 🌚 WebLogic Remote Console 2.4.14 Edit Tree (Local Automation) P Environment T O Scheduling App Deployments ▼ Deployments

App Deployments R | ? | C → New Customize Table ▼ This page displays the list of Java EE applications and standalone application modules installed to this domain. cmc-additional-attributes-services cmc-advice-services iii Delete cmc-applicationcategory-services appshell cmc-checklist-services cmc-account-services Database Client Data Directories mc-advice-services Security Interoperability cmc-applicationcategory-services midoffice Diagnostics cmc-branch-services

Figure 6-1 App Deployments



Figure 6-2 App Deployments



6.4 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

6.4.1 Restarting Servers

Refer "Configuration and Deployment Guide" document, section ' How to Restart Servers '.

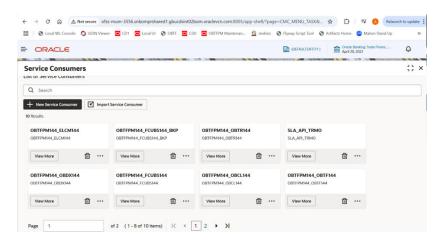
OBRH – Configuration Deployment

This topic provides systematic instruction to deploy the OBRH Configuration.

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

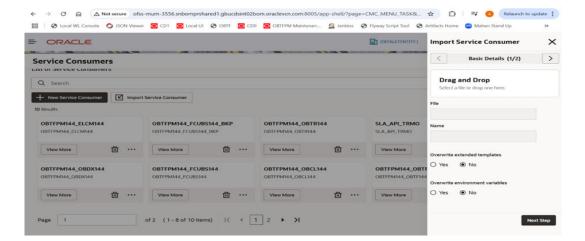
- 1. Login to the Application.
- On Home screen, click Core Maintenance then click Routing Hub and then Service Consumers.

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



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.



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.

8.1 OBTFPM Processes

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

Table 8-1 OBTFPM Processes Table

S.No	Main Process	Dependent Process
1.	ShippingGuaranteelssuanceWorkflow	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.	GuaranteelssuedClaimLodgingWorkflow	All sub workflows
19.	GuaranteelssuanceWorkflow	All sub workflows
20.	GuaranteelssuanceInternalAmendmentWorkflow	All sub workflows
21.	GuaranteelssuanceClosureWorkflow	All sub workflows
22.	GuaranteelssuanceClaimUpdateWorkflow	All sub workflows
23.	GuaranteelssuanceClaimSettlementWorkflow	All sub workflows
24.	GuaranteelssuanceAmendmentBeneficiaryConsentWorkflo wAll sub workflows	All sub workflows
25.	GuaranteeCancellationWorkflow	All sub workflows
26.	GuaranteeAmendmentWorkflow	All sub workflows



Table 8-1 (Cont.) OBTFPM Processes Table

S.No	Main Process	Dependent Process
27.	GuaranteeAdviseWorkflow	All sub workflows
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.	CommonBOAuthorizationWorkflow
5.	CommonHandoffWorkflow
6.	CommonKYCCheckWorkflow
7.	CommonLimitEarmarkWorkflow
8.	CommonRejectCaseWorkflow
9.	CommonReleaseAmountBlockWorkflow
10.	CommonReleaseLimitEarmarkWorkflow
11.	CommonSanctionCheckWorkflow
12.	CommonReleaseDepositLinkWorkflow
13.	CommonDepositLinkWorkflow



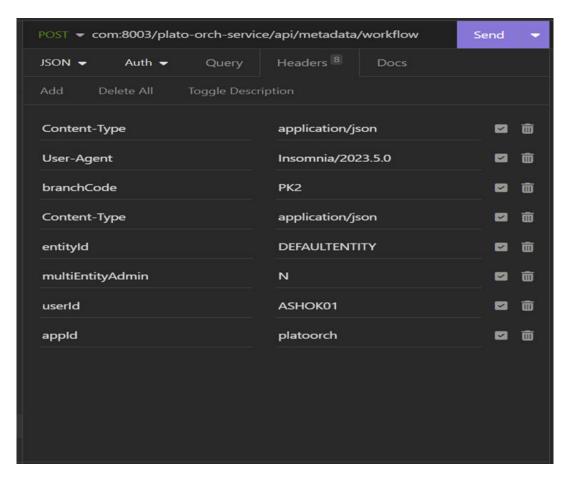
S.No	Sub Process Flows
14.	CommonSTPMessageUpdateWorkflow

8.2 Steps to Deploy Conductor Process

This topic provides systematic instruction to deploy Conductor Process.

(i) Note

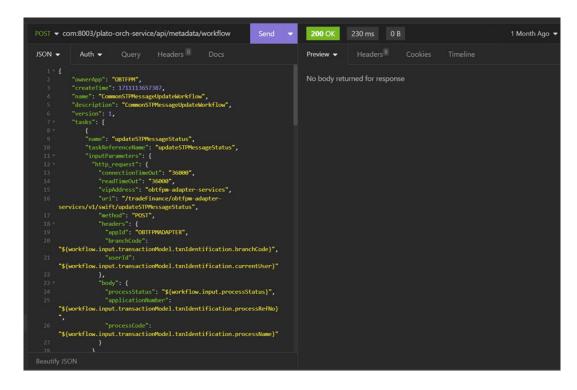
- Server names, Domain names need not to be same as this document provides.
- Steps to Deploy a process remains the same for all the process files.
- Launch the Postman.
- 2. Create a new Request (if not done already) and select "POST" method. Use the "PUT" method to update the already deployed process.
- 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.



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

9.1 Restarting Servers

Refer "Configuration and Deployment Guide" document, section ' How to Restart Servers '.

10

Logging Area

Introduction

10.1 Introduction

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

Logging Area

10.1.1 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