

# Oracle® Banking Liquidity Management Pre-Installation Guide



Release 14.8.2.0.0  
G51080-01  
April 2026

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## Purpose

This guide describes the order (sequence) in which the user must proceed with the installation process.

## Audience

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

## Documentation Accessibility

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## Critical Patches

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

## 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 Resources

For more information on any related features, refer to the following documents:

- *Common Core Services Installation Guide*
- *Oracle Banking Microservices Platform Foundation Installation Guide*
- *Security Management System Services Installation Guide*
- *Configuration and Deployment Guide*
- *Oracle Banking Liquidity Management Installation Guide*

## Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the guide are as follows:

**Table 1 Acronyms and Abbreviations**

Acronyms	Abbreviations
LDAP	Lightweight Directory Access Protocol
OSDC	Oracle Software Delivery Cloud
SMS	Security Management System

# 1

## Installation Process

This topic describes the installation sequence for Oracle Banking Liquidity Management application.

### Execution order of Installation Manual

Oracle Banking Liquidity Management installation is executed in the below sequence:

- *Oracle Banking Microservices Platform Foundation Installation Guide*
- *Security Management System Services Installation Guide*
- *Common Core Services Installation Guide*
- *Oracle Banking Liquidity Management Installation Guide*

### Prerequisite

The OSDC package consists of the following zip files. Before proceeding with the installation, unzip the files into the same common folder.

- OBLM\_{release number}\_1of7.zip
- OBLM\_{release number}\_2of7.zip
- OBLM\_{release number}\_3of7.zip
- OBLM\_{release number}\_4of7.zip
- OBLM\_{release number}\_5of7.zip
- OBLM\_{release number}\_6of7.zip
- OBLM\_{release number}\_7of7.zip

#### Note

For the release number, refer to the OSDC file available as a part of the release.

### Software Prerequisite List

The list of software prerequisites are as follows:

- Oracle Database Enterprise Edition
- Oracle WebLogic Server Standard Edition
- LDAP server
- Apache Kafka
- Apache ZooKeeper (Embedded with Kafka)
- Conductor server

**Note**

For the software version details, refer to **Release Notes**.

The common services required by Oracle Banking Liquidity Management application are listed below.

- [Oracle Banking Microservices Architecture Installation](#)
- [Security Management System Installation](#)
- [Common Core Installation](#)
- [File Upload Setup](#)

## 1.1 Oracle Banking Microservices Architecture Installation

### List of Services

The lists of Oracle Banking Microservices Architecture Services to be installed for Oracle Banking Liquidity Management. Deployments to be done in the same order.

**Note**

Conductor-server should be deployed prior to plato-orch-service.

- plato-config-service
- plato-discovery-service
- plato-api-gateway
- plato-ui-config-service
- plato-api-gateway-router
- plato-batch-server
- plato-feed-services
- conductor-server
- plato-orch-service
- plato-report-services
- plato-coherence-server
- plato-regional-configurator-services
- plato-archival-services
- plato-fast-data-transfer-service
- plato-alerts-management-services

**Note**

For further details on deployments, refer to **Oracle Banking Microservices Platform Foundation Installation Guide**.

### Domain Configuration

Copy the below files from the OSDC path to Oracle Banking Microservices Architecture <domain>/bin folder.

- pre\_deployment\_setup\setUserOverrides.sh

#### Note

For providing the property values, refer to [Annexure](#) section of this document.

## 1.2 Security Management System Installation

### List of Services

The lists of Security Management System Service to be installed for Oracle Banking Liquidity Management.

- sms-core-services

### Domain Configuration

Copy the below files from the OSDC path to <domain>/bin folder.

- pre\_deployment\_setup\setUserOverrides.sh

#### Note

For further details on deployments, refer to **Security Management System Service Installation Guide** for installing Security Management System Service

## 1.3 Common Core Installation

### List of Services

The lists of Common Core Services to be installed in order for Oracle Banking Liquidity Management.

- cmc-account-services
- cmc-base-services
- cmc-branch-services
- cmc-businessoverrides-services
- cmc-charges-calculation-services
- cmc-currency-services
- cmc-datasegment-services
- cmc-screenclass-services
- cmc-resourceclass-services
- cmc-customer-services



- cmc-external-chart-account
- cmc-external-system-services
- cmc-external-virtual-account-services
- cmc-obrh-services
- cmc-obrh-kafka-consumer
- cmc-resource-segment-orchestrator-service
- cmc-settlements-services
- cmc-txn-code-services

### Domain Configuration

Copy the below files from the OSDC path to <domain>/bin folder.

- pre\_deployment\_setup\setUserOverrides.sh

#### ① Note

For further details on deployments, refer to **Common Core Service Installation Guide** for installing the Common Core services.

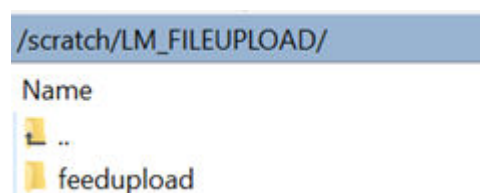
## 1.4 File Upload Setup

The folders are to be created with application user for file upload to work.

### 1. Feed Upload Folder

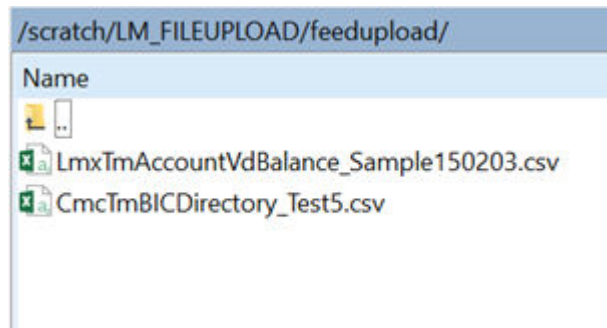
- Create LM\_FILEUPLOAD under /scratch folder
- Create a Folder (ex: - feedUpload) under /LM\_FILEUPLOAD folder
- Create all sub folders as in the screen shot and all Sub folders should have full access.

**Figure 1-1 File Upload**



Place the files to be uploaded under this folder.

Figure 1-2 Feed upload



Make sure the Properties table has the below value inserted based on the path configured for Feed upload.

Figure 1-3 Properties Table

ID	APPLICATION	PROFILE	LABEL	KEY	VALUE
124	plato-feed-services	jdbcc	jdbcc	feed.upload.directory	/scratch/LM_FILEUPLOAD/feedupload

For the entries present under the “feed\_name” column in plato\_tm\_feed table as shown below, the entries in plato\_tm\_feed\_processor\_headers should be updated with the appropriate branch code and user id.

Figure 1-4 PLATO\_TM\_FEED Table

ID	FEED_NAME	FEED_DESCRIPTION	CHAR_SIZE	MAX_PROCESS	DELIMITER_ID	HEADER_ROW
f33a1346-07f5-44d0-82a4-dcbd52c0bc91	CmcTmCountry	CmcTmCountry	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc30	LmxTmAccountVdBalance	LmxTmAccountVdBalance	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc38	LmxTmInterfaceMaster	LmxTmInterfaceMaster	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc12	ICSpecialCondition	ICSpecialCondition Input	10	N		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc20	CmcTmBICDirectory	CmcTmBICDirectory	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc40	CmcTmCurrencyDefinition	CmcTmCurrencyDefinition	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc00	CmcTmCoreAccount	CmcTmCoreAccount	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc50	CmcTmCoreCustomer	CmcTmCoreCustomer	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc80	CmcTmCurrencyExchangeRate	CmcTmCurrencyExchangeRate	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc60	CmcTmCurrencyHoliday	CmcTmCurrencyHoliday	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc36	LmxTmAccount	LmxTmAccount	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc31	LmxTmCustomer	LmxTmCustomer	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc32	LmxTmBankParameters	LmxTmBankParameters	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc33	LmxTmBranchParameters	LmxTmBranchParameters	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc34	LmxTmCountryParameters	LmxTmCountryParameters	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc35	LmxTmCurrencyParameters	LmxTmCurrencyParameters	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc37	LmxTmCurrencyCutoff	LmxTmCurrencyCutoff	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc10	CmcTmBranchLocalHoliday	CmcTmBranchLocalHoliday	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc70	CoreBank	CoreBank	10	Y		1PLAIN RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc90	CoreBranch	CoreBranch	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR
f33a1346-07f5-44d0-82a4-dcbd52c0bc39	LmxTmSweepInstruction	LmxTmSweepInstruction	10	Y		1DISCRIMINATOR PARENT RECORD PROCESSOR

Figure 1-5 PLATO\_TM\_FEED\_PROCESSOR\_HEADERS Table

ID	PLATO_TM_FEED_ID	HEADER_KEY	HEADER_VALUE
a33a1346-07f5-44d0-82a4-acbd12c0bc31	f33a1346-07f5-44d0-82a4-dcbd52c0bc91	appId	CMNCORE
a33a1346-07f5-44d0-82a4-acbd12c0bc32	f33a1346-07f5-44d0-82a4-dcbd52c0bc91	userId	LMADMIN2
a33a1346-07f5-44d0-82a4-acbd12c0bc33	f33a1346-07f5-44d0-82a4-dcbd52c0bc91	branchCode	LMB

## A

## Annexure

## Oracle Banking Microservices Architecture

The below properties have fixed values and should not be changed.

**Table A-1 Oracle Banking Microservices Architecture - Property Values (Fixed Values)**

Serial Number	Property	Value
1	flywayTask	migrate
2	flyway.enabled	true
3	spring.flyway.enabled	false
4	plato-config.flyway.domain.locations	db/migration/domain/plato, db/migration/domain/sms, db/migration/domain/cmc, db/migration/domain/oblm, db/migration/domain/vamlm
5	plato-feed-services.jndi	jdbc/PLATOFEED
6	plato-batch-server.jndi	jdbc/PLATOBATCH
7	plato.jndi	jdbc/PLATO
8	plato-config.jndi	jdbc/PLATO
9	plato-sec.jndi	jdbc/PLATO_SECURITY
10	plato-ui-config.jndi	jdbc/PLATO_UI_CONFIG
11	platoorch.domain.jndi	jdbc/PLATO-O
12	plato-config.db.jndi	jdbc/PLATO
13	sms.jndi	jdbc/sms
14	cmncore.jndi	jdbc/CMNCORE
15	lrt.jndi	jdbc/LRT
16	lmc.jndi	jdbc/LMC
17	lmd.jndi	jdbc/LMD
18	lmx.jndi	jdbc/LMX
19	lmm.jndi	jdbc/LMM
20	lmp.jndi	jdbc/LMP
21	lma.jndi	jdbc/LMA
22	lms.jndi	jdbc/LMS
23	lmr.jndi	jdbc/LMR
24	lmg.jndi	jdbc/LMG
25	icl.jndi	jdbc/ICL
26	vamlmchg.jndi	jdbc/VAMLMCHG
27	plato-api-gateway.pswd.validation.flag	Y
28	plato-api-gateway.min.pswd.length	8
29	plato-api-gateway.max.pswd.length	12
30	plato-api-gateway.min.pswd.age	1

**Table A-1 (Cont.) Oracle Banking Microservices Architecture - Property Values (Fixed Values)**

Serial Number	Property	Value
31	plato-api-gateway.max.pswd.age	90
32	plato-api-gateway.upper.char.flag	Y
33	plato-api-gateway.upper.char.count	2
34	plato-api-gateway.lower.char.flag	Y
35	plato-api-gateway.lower.char.count	2
36	plato-api-gateway.special.char.flag	Y
37	plato-api-gateway.special.char.count	1
38	plato-api-gateway.numeric.char.flag	Y
39	plato-api-gateway.numeric.char.count	1
40	actuator.endpoint	prometheus,health
41	plato-api-gateway.enableAudit	true
42	sms.placeholderReplacement	true
43	sms.showUnlockClearUser	Y
44	domain.placeholderReplacement	true
45	plato.batch.server.conductor.timeout	60
46	spring.main.allow-circular-references	true
47	user.hierarchyLevel	4
48	user.reporteesHierarchyLevel	4
49	plato-edp-services.edp.obrh.userId	UserId to be used to invoke obrh service from within edp service
50	plato-edp-services.edp.obrh.branchCode	<BRANCH CODE> BranchCode to be used to invoke obrh service from within edp service.
51	plato.batch.server.tas.processor.hostname	Not applicable for onprem. Can be null Give the tas-processor-service hostname for cloud.
52	plato.batch.server.tas.processor.port	<server port> Not applicable for onprem. Can be null. Give the tas-processor-service port for cloud.
53	plato-arch-services.server.port	<server port>
54	plato-dynamic-data-services.server.port	<server port>
55	plato-fast-data-transfer-service.server.port	<server port>
56	spring.main.allow-bean-definition-overriding	true
57	platobatch.db.jndi	jdbc/PLATO
58	plato-api-gateway.loadCacheOnStartUp	true
59	conductor.metrics-prometheus.enabled	true
60	conductor.oracle.flywayEnabled	true
61	oblm-arch.jndi	jdbc/LMARCH
62	oblm-purge.jndi	jdbc/LMPURGE

**Table A-1 (Cont.) Oracle Banking Microservices Architecture - Property Values (Fixed Values)**

Serial Number	Property	Value
63	oblm-maintenance-services.loadCacheOnStartUp	true
64	property - batch.appld	PLATOBATCH

**Note**

For the complete properties of Oracle Banking Microservices Architecture file, refer to the folder `/pre_deployment_setup/setUserOverrides.sh` under OSDC zip. The user must provide appropriate values for the key which are not listed in the above table.

**Table A-2 Oracle Banking Microservices Architecture Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
1	api-gateway.schemas	<API-GATEWAY schema>
2	plato-batch-server.schemas	<PLATO-BATCH-SERVER schema>
3	plato-config.schemas	<PLATO-CONFIG schema>
4	plato-feed-ref.schemas	<PLATO-FEED-REF schema>
5	plato-feed-services.schemas	<PLATO-REF-SERVICES schema>
6	platoorch.domain.schemas	<PLATO-ORCH schema>
7	platoui.schemas	<PLATO-UI schema>
8	platoui-config.schemas	<PLATO-UI-CONFIG schema>
9	plato-ui-config.schemas	<PLATO-UI-CONFIG schema>
10	kafka.brokers	"host:port" for the kafka brokers
11	kafka.zknodes	"host:port" for the zookeeper nodes.
12	kafka.security.protocol	security protocol for kafka Eg: SASL_SSL
13	kafka.truststore.location	truststore location Eg: /scratch/work_area/ securityKeys/ OBLMclientTrust_142.jks
14	kafka.truststore.password	ciphered password of the truststore Eg: {cipher}Password
15	kafka.binder.configuration.sasl.mechanism	<appropriate value>
16	kafka.binder.configuration.security.protocol	<appropriate value>
17	kafka.binder.jaas.loginModule	<appropriate value>
18	kafka.binder.jaas.options.password	<appropriate value>
19	kafka.binder.jaas.options.username	<appropriate value>

**Table A-2 (Cont.) Oracle Banking Microservices Architecture Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
20	kafka.broker.password	<appropriate value>
21	kafka.broker.username	<appropriate value>
22	kafka.ssl.truststore.location	<appropriate value>
23	kafka.ssl.truststore.password	<appropriate value>
24	plato.orchestrator.enableSubWfDynamicAllocation	Enabling dynamic Allocation for subWorkflow
25	plato.conductor.logging.level	Default - DEBUG
26	plato.feed.feed.system.objectStore.stripeName	Default - feeds
27	plato.feed.feed.protocol	Default - http
28	plato.feed.feed.dateFormat	Default - yyyy-MM-dd
29	plato.feed.feed.commitFrequency	Default - 1000
30	plato.feed.fss.filestore.protocol	Default - http
31	plato.feed.fss.filestore.host	Default - 127.0.0.1
32	plato.feed.fss.filestore.port	Default - 8080
33	plato.feed.fss.filestore.contextRoot	Default - filestore/private
34	plato.feed.fss.filestream.protocol	Default - http
35	plato.feed.fss.filestream.host	Default - 127.0.0.1
36	plato.feed.fss.filestream.port	Default - 8081
37	plato.feed.fss.filestream.contextRoot	Default - filestream/private
38	plato.feed.fss.auth.bearerToken	Default - unset
39	plato.feed.fss.par.upload.description	Default - fileupload
40	plato.feed.fss.par.storageDirective	xxx
41	plato.feed.fss.stripe.service.tag	Default - feed-services
42	feed.system.approverId	Default approver id for auto approval
43	plato.feed.fss.bearerTokenPath	xxx
44	plato.feed.fss.bearerTokenFileName	dummyToken
45	plato.alerts.protocol	https
46	plato.alerts.namespace	<environment>
47	plato.alerts.email.client.port	<port>
48	plato.multitenant.emailClient.from.email	<environment>
49	plato.feed.emailClient.from.email	<environment>
50	alerts.protocol	xxx
51	alerts.service.name	xxx
52	alerts.namespace	<environment>
53	alerts.email.client.port	<port>
54	plato-regional-configurator-services.server.port	<REGIONAL_CONFIGURATOR_SERVICE_PORT>
55	plato-regional-configurator-services.db.jndi	jdbc/OBRC
56	plato-regional-configurator-services.schemas	OBRC

**Table A-2 (Cont.) Oracle Banking Microservices Architecture Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
57	plato-regional-configurator-services.locations	<ul style="list-style-type: none"> <li>“db/migration/domain/obrc” (By default)</li> <li>“db/migration/domain/obrc, db/migration/domain &lt;YOUR DOMAINS&gt;”</li> </ul>
58	plato-apigateway-router.server.port	<APIGATEWAY_ROUTER_PORT>
59	router.protocol	<ROUTER_PROTOCOL>
60	router.meadmin.port	<ROUTER_PORT>
61	plato.eventhub.consumer.maxPollInterval	<MAX INTERVAL VALUE>
62	plato.eventhub.consumer.maxPollRecords	<MAX RECORD VALUE>
63	tangosol.coherence.clusterportproperty	7574
64	plato.placeholderReplacement	true
65	plato.dataload.fss.filestore.protocol	xxx
66	plato.dataload.fss.filestore.host	xxx
67	plato.dataload.fss.filestore.port	xxx
68	plato.dataload.fss.filestore.contextRoot	xxx
69	plato.dataload.fss.filestream.protocol	xxx
70	plato.dataload.fss.filestream.host	xxx
71	plato.dataload.fss.filestream.port	xxx
72	plato.dataload.fss.filestream.contextRoot	xxx
73	plato.dataload.fss.par.upload.description	xxx
74	plato.dataload.fss.par.storageDirective	xxx
75	plato.dataload.fss.stripe.service.tag	xxx
76	plato.dataload.system.objectStore.stripeName	xxx
77	plato.dataload.fss.bearerTokenPath	xxx
78	plato.dataload.fss.bearerTokenFileName	xxx
79	dataload.job.corePoolSize	800
80	dataload.job.maxPoolSize	800
81	dataload.job.queueCapacity	800
82	dataload.job.gridSize	800
83	datamigration.protocol	xxx
84	datamigration.host	xxx
85	datamigration.port	xxx
86	datamigration.contextRoot	xxx
87	batch.appld	PLATOCONFIG
88	plato.batch.appld	PLATOCONFIG
89	job.abandon.duration	60
90	dataload.protocol	xxx
91	plato.dataload.framework.eureka.client.connectTimeout	1000
92	plato.dataload.framework.eureka.client.readTimeout	1000
93	plato-feed-services.plato.feed.fss.bearerTokenPath	xxx

**Table A-2 (Cont.) Oracle Banking Microservices Architecture Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
94	userLoginId.minLength	5
95	platoui-placeholderReplacement	true
96	EncryptionFlag	true - new encoding/decoding logic will be applied(more secure) OR false - old encoding/decoding logic will be applied
97	eureka.client.serviceUrl.defaultZone	xxx
98	kafka.ssl.endpoint.identification.algorithm	https
99	kafka.default.producer.sync	TRUE
100	kafka.default.producer.configuration.max.block.ms	5000
101	kafka.binder.replication-factor	3
102	kafka.binder.required-acks	all
103	edp.schemas	xxx
104	edp.db.jndi	xxx
105	plato-edp-services.server.port	<server port>
106	plato.schema	xxx
107	feed.system.timePeriod	100
108	plato.services.entityservices.port	<sms-port>
109	<b>domain.eventhub.broker.hosts</b>	<b>xxx</b>
110	<b>domain.eventhub.zookeeper.hosts</b>	<b>xxx</b>
111	<b>spring.zipkin.baseUrl</b>	<b>xxx</b>
112	<b>saml.userId.field</b>	<b>xyz</b>
113	cmc-branch-services.localHolidayPropogation.sync.enabled	<b>y</b>
114	plato-arch.schemas	<Plato Archival Schema>
115	plato-fdt.schemas	<Plato Archival Schema>
116	environment.name	<environment name>

**Domain**

The below properties have fixed values and should not be changed.

**Table A-3 Domain - Property Values (Fixed Values)**

Serial Number	Property	Value
1	flywayTask	migrate
2	flyway.enabled	true
3	spring.flyway.enabled	false
4	flyway.domain.ignoreMissingMigrations	true
5	flyway.domain.outOfOrder	true
6	spring.cloud.loadbalancer.ribbon.enabled	false



**Table A-3 (Cont.) Domain - Property Values (Fixed Values)**

Serial Number	Property	Value
7	deploy.environment	onPrem
8	spring.main.allow-bean-definition-overriding	true

Provide the appropriate values for the following fields.

**Table A-4 Domain - Property Values (Appropriate Values)**

Serial Number	PROPERTY	VALUE
1	spring.cloud.config.uri	<config service uri>
2	apigateway.url	<apigateway url>
3	service.logging.environment	<environment> example: DEV, TEST
4	service.logging.path	<application debug logs path>
5	user.mapping.required	<User mapping required>
6	feed.recordLevelApprovalReqd	<true or false>
7	conductor.properties	Path to /config.properties
8	INTEGRATION.ENABLED	true or false
9	cmc-account-services.loadCacheOnStartup	true or false
10	cmc-advice-services.loadCacheOnStartup	true or false
11	cmc-base-services.loadCacheOnStartup	true or false
12	cmc-branch-services.loadCacheOnStartup	true or false
13	cmc-customer-services.loadCacheOnStartup	true or false
14	cmc-resourceclass-services.loadCacheOnStartup	true or false
15	cmc-corebanking-adapter-service.loadCacheOnStartup	true or false
16	cmc-external-virtual-account-services.loadCacheOnStartup	true or false
17	cmc-currency-services.loadCacheOnStartup	true or false
18	cmc-external-chart-account-services.loadCacheOnStartup	true or false
19	cmc-resource-segment-orchestrator-service.loadCacheOnStartup	true or false
20	cmc-external-deposit-account-services.loadCacheOnStartup	true or false
21	cmc-screenclass-services.loadCacheOnStartup	true or false
22	cmc-facilities-services.loadCacheOnStartup	true or false
23	cmc-charges-calculation-services.loadCacheOnStartup	true or false
24	sms-core-services.loadCacheOnStartup	true or false
25	cmc-interest-rate-services.server.port	<server port>
26	cmc-external-deposit-account-services.server.port	<server port>

Table A-4 (Cont.) Domain - Property Values (Appropriate Values)

Serial Number	PROPERTY	VALUE
27	fcubsUserId	Specify the UserId to communicate with fcubs. It is used for external pricing for Charge calculation.
28	fcubsSource	Specify the Source It is used for external pricing for Charge calculation.
29	fcubsBranch	Specify the Branch It is used for external pricing for Charge calculation.
30	cmc-interest-rate-services.loadCacheOnStartup	false
31	cmc-limits-collaterals-services.server.host	xxx
32	cmc-limits-collaterals-services.server.port	<server port>
33	cmc-limits-collaterals-services.server.protocol	xxx
34	cmc-limits-collaterals-services.server.contextRoot	xxx
35	cmc-opds-services.isAsyncLoggingEnabled	false
36	cmc-opds-services.ischargesAsyncLoggingEnabled	false
37	cmc-sla-services.server.port	<server port>
38	cmc-txn-code-services.loadCacheOnStartup=	false
39	cmc-opds-services.DbLogEnabled	false
40	cmc-external-chart-account-services.batch.partition.count	10
41	cmc-external-chart-account-services.batch.thread.pool.size	10
42	cmc-external-chart-account-services.batch.txn.fetch.size	1000
43	cmc-external-chart-account-services.batch.txn.validation	false
44	cmc-external-chart-account-services.batch.commit.frequency	100
45	cmc-external-chart-account-services.batch.handoff.txn.size	100
46	cmc-transactioncontroller-services.loadCacheOnStartup	false
47	cmc-mis-services.loadCacheOnStartup	This is the placeholder to load the coherence cache for cmc-mis-services at server start up. Possible values: true/false.
48	checklistmanagement-services.loadCacheOnStartup	This is the placeholder to load the coherence cache for checklistmanagement-services at server start up. Possible values: true/false.

**Table A-4 (Cont.) Domain - Property Values (Appropriate Values)**

Serial Number	PROPERTY	VALUE
49	applicationcategory-services.loadCacheOnStartup	This is the placeholder to load the coherence cache for applicationcategory-services at server start up. Possible values: true/false.
50	cmc-mailnotification-services.loadCacheOnStartup	This is the placeholder to load the coherence cache for cmc-mailnotification-services at server start up. Possible values: true/false.
51	cmc-ml-genai-admin-services.server.port	<server port>
52	cmc.locations	db/migration/cmc
53	opds.rules.localInvocation	false
54	cmc.branch.branchCodeLength	xxx

**Table A-5 LM Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
1	icl.schemas	<ICL schema>
2	lma.schemas	<LMA schema>
3	lmc.schemas	<LMC schema>
4	lmd.schemas	<LMD schema>
5	lmg.schemas	<LMG schema>
6	lmm.schemas	<LMM schema>
7	lmp.schemas	<LMP schema>
8	lmr.schemas	<LMR schema>
9	lms.schemas	<LMS schema>
10	lmx.schemas	<LMX schema>
11	lrt.schemas	<LRT schema>
12	vamlmchg.schemas	<CHG schema>
13	icl.server.port	<server port>
14	lma.server.port	<server port>
15	lmc.server.port	<server port>
16	lmd.server.port	<server port>
17	lmg.server.port	<server port>
18	lmm.server.port	<server port>
19	lmp.server.port	<server port>
20	lmr.server.port	<server port>
21	lms.server.port	<server port>
22	lmx.server.port	<server port>
23	vamlm-charge-services.server.port	<server port>

**Table A-5 (Cont.) LM Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
24	vamlmchg.deploymentType	"lmchg" for LM Standalone deployment "vamchg" for VAM Standalone deployment "codeployed" for Co-deployed environment
25	oblm-structure-services.loadCacheOnStartUp	false
26	oblm.report.sweepSummary.enabled	true/false based on the environment. By default, it is false.
27	oblm.report.sweepSummary.directory	<REPORTS PATH> Directory path for sweep summary report for Mizuho report.
28	oblm.investmentFilePath	<FILE PATH> Directory path for investment file for Mizuho.
29	<b>oblm-arch.schemas</b>	<OBLM Archival schema>
30	oblm-purge.schemas	<OBLM Purge schema>
31	maxConnTotal	This is for Rest Template pool connection configuration. Default value: 10
32	maxConnPerRoute	This is for Rest Template pool connection configuration. Default value: 80
33	connectTimeout	This is for Rest Template pool connection configuration. Default value: 300000
34	readTimeout	This is for Rest Template pool connection configuration. Default value: 300000
35	connectionRequestTimeout	This is for Rest Template pool connection configuration. Default value: 300000
36	oblm-maintenance-services.asyncExecutor.asyncCorePoolSize	Core pool size for async execution, with a default value of 10
37	oblm-maintenance-services.asyncExecutor.asyncMaxPoolSize	Max pool size for async execution, with a default value of 25
38	oblm-maintenance-services.asyncExecutor.asyncQueueCapacity	Queue capacity for async execution with a default value of 30
39	vlc.schemas	VAMLMCHG
40	oblm-arch.jndi	jdbc/LMARCH
41	oblm-purge.jndi	jdbc/LMPURGE

**Table A-6 IC Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
1	obic.schemas	<OBLM-IC schema>

**Table A-6 (Cont.) IC Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
2	obvamic.schemas	<OBVAM-IC schema>
3	ddaic.schemas	xxx
4	obic.bodBatch.server.port	<server port>
5	obic.chgCalc.server.port	<server port>
6	obic.config.server.port	<server port>
7	obic.extAdapter.server.port	<server port>
8	obic.intaccr.server.port	<server port>
9	obic.intAccting.server.port	<server port>
10	obic.intAlloc.server.port	<server port>
11	obic.intBatch.server.port	<server port>
12	obic.intcalc.server.port	<server port>
13	obic.intInput.server.port	<server port>
14	obic.intliqd.server.port	<server port>
15	obic.intresolve.server.port	<server port>
16	obic.maint.server.port	<server port>
17	obic.maintq.server.port	<server port>
18	obic.onlq.server.port	<server port>
19	obic.server.port	<server port>
20	obic.intradaySchedulerReqd	<Y or N>
21	obvamic.bodBatch.server.port	<server port>
22	obvamic.chgCalc.server.port	<server port>
23	obvamic.config.server.port	<server port>
24	obvamic.extAdapter.server.port	<server port>
25	obvamic.intaccr.server.port	<server port>
26	obvamic.intAccting.server.port	<server port>
27	obvamic.intAlloc.server.port	<server port>
28	obvamic.intBatch.server.port	<server port>
29	obvamic.intcalc.server.port	<server port>
30	obvamic.intInput.server.port	<server port>
31	obvamic.intliqd.server.port	<server port>
32	obvamic.intresolve.server.port	<server port>
33	obvamic.maint.server.port	<server port>
34	obvamic.maintq.server.port	<server port>
35	obvamic.onlq.server.port	<server port>
36	obvamic.server.port	<server port>
37	obvamic.intradaySchedulerReqd	<Y or N>
38	obvamic.eodSchedulerReqd	<true or false>
39	obvamic.intradaySchedulerReqd	<true or false>
40	ddaic.bodBatch.server.port	<server port>
41	ddaic.extAdapter.server.port	<server port>
42	ddaic.intaccr.server.port	<server port>
43	ddaic.intAccting.server.port	<server port>

**Table A-6 (Cont.) IC Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
44	ddaic.intAlloc.server.port	<server port>
45	ddaic.intBatch.server.port	<server port>
46	ddaic.intCalc.server.port	<server port>
47	ddaic.intInput.server.port	<server port>
48	ddaic.intliqd.server.port	<server port>
49	ddaic.intresolve.server.port	<server port>
50	ddaic.maint.server.port	<server port>
51	ddaic.maintq.server.port	<server port>
52	ddaic.onlq.server.port	<server port>
53	dda-ic.server.port	<server port>
54	obic-maintenance-services.loadCacheOnStartUp	true/false based on the environment. By default, it is false.
55	obic-interest-calc-services.tenantkey.enabled	true/false based on the environment. By default, it is false.
56	obic-interest-accrual-services.tenantkey.enabled	true/false based on the environment. By default, it is false.
57	obic-intchg-accting-services.tenantkey.enabled	true/false based on the environment. By default, it is false.
58	obic-online-liquidation-services.tenantkey.enabled	true/false based on the environment. By default, it is false.
59	obic-interest-liquidation-services.tenantkey.enabled	true/false based on the environment. By default, it is false.
60	<b>obic.intraday.server.port</b>	<b>&lt;server port&gt;</b>
61	<b>obic.extrp.server.port</b>	<b>&lt;server port&gt;</b>

**Table A-7 OBRH Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
1	obrh.truststore.path	Default - null If set, it will be considered Eg: obrh.truststore.path=/scratch/obrh/truststore/ts.jks
2	obrh.truststore.password	Default - null If set, it will be considered Eg: obrh.truststore.password=password
3	obrh.server.isJavaEE	Default - true true for weblogic deployment false for tomcat deployment

**Table A-7 (Cont.) OBRH Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
4	obrh.taskexecutor.corepoolsize	Default - 50 If set, it will be considered Eg: obrh.taskexecutor.corepoolsiz e=100
5	obrh.taskexecutor.maxpoolsize	Default - 50 If set, it will be considered Eg: obrh.taskexecutor.maxpoolsiz e=100
6	obrh.taskexecutor.queuecapacity	Default - 100 If set, it will be considered Eg: obrh.taskexecutor.queuecapa city=200
7	obrh.factory-shipped-data.readonly	Default - false If set, it will be considered Eg: obrh.factory-shipped- data.readonly=true
8	obrh.keystore.password.encoded	Default - false If set, it will be considered Eg: obrh.keystore.password.enco ded=true
9	obrh.usekeystore	Default - false If set, it will be considered Eg: obrh.usekeystore=true
10	obrh.keystore.path	Default - null If set, it will be considered Eg: obrh.keystore.path=/ scratch/obrh/truststore/ts.jks
11	obrh.keystore.password	Default - null If set, it will be considered Eg: obrh.keystore.password=pass word
12	obrh.keystore.alias	Default - null If set, it will be considered Eg: obrh.keystore.alias=alias
13	obrh.keystore.aliaspassword	Default - null If set, it will be considered Eg: obrh.keystore.aliaspassword= password

**Table A-7 (Cont.) OBRH Domain - Property Table (Appropriate Values)**

Serial Number	Property	Value
14	obrh.audit.type	Default - KAFKA Value can be <Default/ KAFKA/OFF/LOG> Eg: obrh.audit.type=OFF
15	obrh.alerts.enabled	Default: false <true or false> Eg: obrh.alerts.enabled=true
16	obrh.provider.exception.statuscodes	Comma seperated error codes Eg: obrh.provider.exception.status codes=404,500
17	obrh.ssl.protocol	Default - TLS If set, it will be considered Eg: obrh.ssl.protocol=TLSv1.2
18	cmc-obrh-services.audit.retention.days	Number of days for retention policy Eg: cmc-obrh- services.audit.retention.days= 7
19	cmc-obrh-services.audit.retention.archival	<Y or N> Y for archiving N for purging Eg: cmc-obrh- services.audit.retention.archiv al=N
20	obrh.import.overwrite	Default: false <true or false> Eg: obrh.import.overwrite=true
21	cmc-obrh-jms-consumer.connectionFactory	<JMS_CONN_FACTORY_JN DI>
22	cmc-obrh-jms-consumer.queue	<JMS_CONN_QUEUE_JNDI >
23	cmc-obrh-jms-consumer.server.port	<server port>
24	cmc-obrh-services.loadCacheOnStartUp	false

For the complete properties of domain file, refer to the folder `/pre_deployment_setup/`  
`setUserOverrides.sh` under OSDC zip.

**Note**

For Conductor Properties, refer to **Conductor Installation** section in **Oracle Banking Microservices Platform Foundation Installation Guide**.



## SSL Setup Configuration

The environment set up would be SSL-enabled by default.

The below placeholders would have to be configured into JVM for SSL/Non-SSL setup in Oracle Banking Microservices Architecture domain.

**Table A-8 SSL Setup Configuration**

Key	Default Value - On Premise	Default Value - Cloud	Purpose
<code>\${apigateway.protocol}</code>	https	https	Only for API gateway protocol. It must be <b>https only</b> .
<code>\${eureka.protocol}</code>	https	http	For inter-service communication protocol. Values can be <b>http</b> or <b>https</b> .
<code>\${prefer.ip.address.enabled}</code>	false	false	For prefer IP address flag, it must be <b>false</b> only.
<code>\${nonsecure.port.enabled}</code>	false	true	For disabling inter-service communication on non-secure port. Values can be <b>false</b> or <b>true</b> .
<code>\${secure.port.enabled}</code>	true	false	For allowing inter-service calls on secure port. Values can be <b>false</b> or <b>true</b> .

### Note

`${apigateway.protocol}` should be set as https/http in Oracle Banking Liquidity Management domain irrespective of the SSL/Non-SSL configuration.

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