Oracle® Banking Payments
Payments Installer WAR Building

Release 14.8.1.0.0

ORACLE®

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Contents

Preface

- [Purpose](#)
- [Audience](#)
  This manual is intended for the following User/User Roles:
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)

Purpose

This guide is designed to help acquaint you with the Oracle Banking Payments application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

Audience

This manual is intended for the following User/User Roles:

Table   User Roles

Role	Function
Implementation & IT Staff	Implementation & Maintenance of the Software

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 customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

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 make sure 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.

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.

1

Building Application for Setup

1.1 WAR Build Process

1. The process of building WAR files includes the following steps:

   - Obtain the Fcubs.properties file by generating the GUI Installer which is saved in the required path.

   - Run the PMEarRun.bat file for windows and PMEarRun.sh file for linux.

2. To build the application for setup using the Silent Installer, follow the steps given below:

   Maintain the fcubs.properties file path which is created through GUI Installer otherwise WAR may fail if the fcubs property file path is not provided.

3. Maintain the Environment Property File by inputting all the fields FCUBS_PROPERTIES_PATH Mention the property file path with file name where it is been placed.

Figure 1-1   Environment Property File

```
#Thu Apr 17 13:39:05 IST 2025
TNS_ADMIN_HOME=
OBMA_PRODUCT_INSTALLED=N
EXTERNAL_PROPERTY_PATH=
ENTITY_ID1=ENTITY_ID1
EAR_NAME=FCUBS
COMPILE_IN_ALL_ENTITIES=N
PATCHSET_INSTALLATION=N
CONNECTING_STRING_ENTITY_ID1=xxxxxxxxxxx
DESTINATION_PATH=D:/OBPM_14.8.0.0.0/EARLOCATION
CONNECTING_STRING_SMS=xxxxxxxxxxxxxx
EXTERNAL_JSUIXML_REQUIRED=Y
PORT_ENTITY_ID1=1521
EAR_DESTINATION_PATH=D:/OBPM_14.8.0.0.0/EARLOCATION
APPSERVER_HOME=D:/FMW1412/wlserver
GW_PROPERTIES_PATH=D:/OBPM_14.8.0.0.0/INSTALLER/SOFT/logs/GW_WS_Prop.properties
CLOUD_INSTALLATION=N
SERVICE_NAME_ENTITY_ID1=8WjKNtpwSydJj1SKkcOjfw6DiBMSnZCppSMkWg==
PASSWORD=
AUTONOMOUS_DATABASE_INSTALLED=N
ZDT_OBJECTS_ACTUALIZATION_REQUIRED=Y
SYMMETRIC_KEY=oraclefinancials
SINGLE_FIX_SOURCE=N
ZDT_OBJECTS_COMPILE_THREAD=1
SOURCE_PATH=D:/OBPM_14.8.0.0.0/
BASE_EDITION=
APPLICATION_TYPE=FCUBS
EXTERNAL_JSUIXML_PATH=/scratch/work_area/OBPM148/JSUIXML/
NUMBER_OF_CPU_CORES_FOR_ZDT_RECOMP=4
JAVA_HOME=C:/Program Files/Java/jdk-17
PM_Config_Path=D:/OBPM_14.8.0.0.0/PM/INSTALLER/SOFT/config/Application
CONTEXT_NAME=FCJNeoWeb
DECENTRALIZED=N
ENTITY_NOS=1
SCHEMA_NAME_SMS=7HC2QaZ7PS5Iiud/g/K1GqXZO30UDWSZqdM=
SCHEMA_NAME_ENTITY_ID1=7HC2QaZ7PS5Iiud/g/K1GqXZO30UDWSZqdM=
SCHEMA=
PORT_SMS=1521
DECENTRALIZED_FCUBS_PROPERTIES_PATH=
ORACLE_HOME=D:/app/client/product/19.0.0/client_1
JSESSION_ID=
ZDT_PATCHING=N
WEBLOGIC_HOME=D:/FMW1412/wlserver
PASSWORD_SMS=7HC2QaZ7PS5IikmY4R8gFuWSAaC0TT0ALKIH+Mdq
USER_NAME=
HOST_SMS=jQ23W6kEXUku/TiJp8u7FmJa+3IrNfo0w56TMjU=
SERVICE_NAME_SMS=8WjKNtpwSydJj1SKkcOjfw6DiBMSnZCppSMkWg==
PATCHSET_EDITION=
HOST_ENTITY_ID1=jQ23W6kEXUku/TiJp8u7FmJa+3IrNfo0w56TMjU=
PASSWORD_ENTITY_ID1=7HC2QaZ7PS5IikmY4R8gFuWSAaC0TT0ALKIH+Mdq
ConfigPath=D:/OBPM_14.8.0.0.0//INSTALLER/SOFT/config/Application
FCHome=D:/OBPM_14.8.0.0.0/Console/
EXTERNAL_PROPERTY_PATH_REQUIRED=N
FCUBS_PROPERTIES_PATH=D:/OBPM_14.8.0.0.0//INSTALLER/SOFT/GUI/fcubs.properties
varedited=N
```

4. Maintain the following Application Type according to the product type.

Product Type	Application Type	WAR Name
PAYMENTS	FCUBS	Any Distinct Name Ex: • FCJNeoWeb.war • SMWeb.war (For Standalone SMS Service) • FCJPlatoReST.war
GW-Integrated	INTEGRATED	Any Distinct Name
GW-Individual	INDIVIDUAL	Not Required
GWMDB,HTTP	GATEWAY	Any Distinct Name Ex: GWMDB.war

Product Type	Application Type	WAR Name
Scheduler	SCHDLR	Any Distinct Name Ex:FCJSchedulerWeb.war

1.2 Standalone Setup

1. Goto \INSTALLER\SOFT path and execute the PMEarRun.bat file in Windows (PMEarRun.sh in Linux) for Payments WAR build.

   WAR file will be generated in the mentioned source path. Similarly for all the WAR Build follow the same steps.

   If EXT_JSUIXML is checked then JS_UIXML folder will be created parallel to INFRA folder, which should be manually copied to Deployment Path mentioned in env.properties.

2. For STAND ALONE SCHEDULER, execute SchedulerEarRun.bat in windows (SchedulerEarRun.sh in linux).

> ⓘ **Note**
>
> Gateways Property Path is not required.

1.3 OBMA Foundation Service WAR File

1. Payment Application require two war files of the OBMA Foundation. These war files are located under MICROSERVICE\PLATO_FOUNDATION.

2. Use these war files as provided in the distribution.

OBMA Foundation WAR File	OBMA Foundation WAR File
plato-discovery-service-9.6.0.war	1
plato-config-service-9.6.0.war	2

1.4 Payments WAR Files Generation

1. Folder MICROSERVICE contain a tar fileobpm_services.tar.gz

2. Extract the content of this tar file to get a folderobpm_services.

3. Navigate to the obpm_services.

4. Edit file generateWarCommonEnv.sh to set the variable JDK_BIN_PATH with a value pointing to the location where JDK executable islocated.

5. Execute script shgenerateAllWars.sh

6. This script will generate a war file within eachfolder. For example: <extracted folder>/ obpm_services/obpm-foundation-service/obpm- foundation-service-9.6.0.war

   List of war files and their dependencies.

   Details of each war file are mentioned in the Release Notes.

   The deployment order with same number means they can be deployed in parallel.

WAR File Name	Payment Types / Features	Deployment Order (Continued from previous section)
obpm-api-gateway	--	3
obpm-foundation-service	Single Pay, C2B File Processing, Master Jobs, File Envelop	4
obpm-interface-service	Asynchronous responses from the External Systems	5
obpm-generic-service	Book Transfer, Generic ACH CT and DD Services	6
obpm-crossborder-service	Cross Border Payments Service	7
obpm-china-service	China Payments Service	7
obpm-europe-service	SEPA CT and DD Services	7
obpm-europe-instant-service	SEPA Instant Payment Service	7
obpm-us-service	US ACH and Fedwire Payment Services	7
obpm-us-instant-service	US RTP Payment Services	7
obpm-india-service	India NEFT and RTGS Payment Services	7
obpm-india-upi-fin-service	India UPI Services	7
obpm-india-upi-nonfin-service	India UPI Services	7
obpm-india-upi-psp-fin-service	India UPI Services	7
obpm-india-upi-psp-nonfin-service	India UPI Services	7
obpm-india-imps-service	India IMPS Services	7

1.5 API Gateway Router

1. API Gateway router is an executable jar file located in MICROSERVICE\obpm_services\obpm-apigateway-router.

2. Use this jar file as provided in the distribution.

3. Jar fie name: obpm-apigateway-router-9.6.0.jar

1.6 Co-deployed Set-up - Combining Payments with FCUBS

1. Copy below folders from Payments OSDC.zip to the FCUBS OSDC.zip.

   • INFRA\PM*

   • INFRA\PS*

2. Copy the PM folder from Payments OSDC.zip to the FCUBS OSDC.zip.

3. Copy all below files from folder INSTALLER\SOFT\config\Application from Payments OSDC.zip to the folder INSTALLER\SOFT\config\Application\ in FCUBS OSDC.zip.

   • AntLibrary_PM.xml

   • FCJ_applicationPM.xml

   • FCJ_applicationPMFasterPay.xml

- • FCJ_applicationPMGateway.xml
- • FCJ_applicationPMRest.xml
- • MANIFEST_PM.properties
- • PM.properties

4. Please add entry for FCPMTS to the file FCHome.ini located in FCUBS OSDC.zip from FCHome.ini located in Payments OSDC.zip with the value of proper patchset no for eg as below

    FCPMTS: 14.8.0.0.0

5. Generate the fcubs.properties file with Payments and FCUBS details.

6. In env.properties, Application Type is FCUBS.

7. Go to \INSTALLER\SOFT path and execute the ROFCEarRun.bat or GenericEarRun.bat bat file in windows (ROFCEarRun.sh or GenericEarRun.sh in Linux) for FCUBS + Payments WAR build.

8. For Codeployed, Gateway EAR creation execute ROFCGatewayEarRun.bat (ROFCGatewayEarRun.sh in Linux).

9. For STAND ALONE SCHEDULER, execute SchedulerEarRun.bat in Windows (SchedulerEarRun.sh in Linux) for ROFC, execute TRSchedulerEarRun.bat in windows (TRSchedulerEarRun.sh in Linux) for OBTR, and execute TFSchedulerEarRun.bat in windows (TFSchedulerEarRun.sh in Linux) for OBTF.

10. For MDB and HTTP gateways, run the respective bat files i.e. GWEJBEarRun.bat (GWEJBEarRun.sh), GWMDBEarRun.bat (GWMDBEarRun.sh) and GWHTTPEarRun.bat (GWHTTPEarRun.sh).