Oracle® Banking Corporate Lending Installer EAR Building





Oracle Banking Corporate Lending Installer EAR Building, Release 14.7.6.0.0

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Preface

This topic contains the following sub-topics:

- Purpose
- Audience
- Documentation Accessibility
- Critical Patches
- · Diversity and Inclusion
- Related Resources
- Conventions
- Screenshot Disclaimer
- Acronyms and Abbreviations

Purpose

This manual is designed to help acquaint you with the process of building EAR files for Oracle Banking Corporate Lending.

Audience

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

Table 1 Audience

Role	Function
Implementation team	Implementation of Oracle Banking Corporate Lending Solution
Presales team	Install Oracle Banking Corporate Lending for demo purpose
Bank personnel	Who installs Oracle Banking Corporate Lending

The user of this manual is expected to have basic understanding of Application server like Oracle Weblogic, IBM Websphere and Oracle Database.

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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:

- Release Notes
- Installation Guides

Conventions

The following text conventions are used in this document:

Table 2 Conventions and Meaning

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
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.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.



Acronyms and Abbreviations

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

Table 3 Acronyms and Abbreviations

Abbreviation	Description				
FCUBS	Oracle FLEXCUBE Universal banking Solutions				
ELCM	acle Banking Enterprise Limits and Collateral Management				
EAR	Enterprise Archive file				
EJB	Enterprise Java Bean				
GW	Gateway				
HTTP	Hypertext Transfer Protocol				
JS	Java Script				
ODT	Open Development Tool				
OBCL	Oracle Banking Corporate Lending				
OBTF	Oracle Banking Trade Finance				
OBTR	Oracle Banking Treasury Management				
ROFC	Rest of FLEXCUBE				



Building Application for Setup

In the 14.7.5.0.0 release, the installer was modified to generate the .war file instead of the .ear file. Follow the steps below to generate a .war file. These steps will only be applicable to Innovation releases.

- War build process
- Standalone Setup

1.1 War build process

- The process of building WAR file includes the following steps:
 - Generate the GUI Installer to get the fcubs.properties file, saved in the required path.
 - For Windows, run the CLEarRun.bat file or for Linux, run the CLEarRun.sh file.
- 2. Follow the steps below to build the application using the Silent Installer for setup:

The GUI Installer generates the fcubs.properties file path; otherwise, the WAR may fail if the fcubs property file path is not provided

3. Specify all the fields in the Environmental Property File to keep it up-to-date.

FCUBS_PROPERTIES_PATH variable displays the property file path with the file name where it has been placed.

Figure 1-1 Environment Properties File details 1

```
| Med Jul 24 12:53:56 IST 2024
| TRS ADMIN HAME= | ADMIN HAME |
```

Figure 1-2 Environment Properties File details 2

```
SCHEMA=
PORT_SMS=1521
DECENTRALIZED_FCUBS_PROPERTIES_PATH=
ORACLE_HOME=D:/app/client/skunani/product/19.0.0/client_1
USESSION_ID=
ZDT_PATCHING=N
WEELOGIC_HOME=C:/Oracle/Middleware/Oracle_Home/wlserver
PASSWORD_SMS=7HC2Qal7PS5JjfOTlqFkV2eMWiZRSSe/nh4=
USER_NAME=
USER_NAME=
SERVICE_NAME_SMS=7HC2Qal7PS5djkCKzy5T2IuryVXLAwWWyVjJmrcprZs=
PATCHISET_EDITION=
HOST_SMS=JQ23W6kEXUks/jiKqBVh4snx+labBg844H50q+4=
PASSWORD_ENTITY_IDI=7HC2Qal7PS5djkCKzy5T2IuryVXLAwWWyVjJmrcprZs=
PATCHSET_EDITION=
HOST_ENTITY_IDI=7HC2Qal7PS5JjfOTlqFkV2eMWiZRSSe/nh4=
ConfigPath=D:/14.8_GA/Console_Exec_14.8_nonJEE/INSTALLER/SOFT/config/Application
FCHome=D:/14.8_GA/Console_Exec_14.8_nonJEE/INSTALLER/SOFT/GUI/fcubs.properties
Varedited=N
```

1.2 Standalone Setup

During the war, FCJNeoWeb is the primary application, and it generates files. The UI automatically populates the War Name while creating property files.

Maintain the following Application Type accordingly for building respective EARs:

Table 1-1 Standalone

Product Type	Application Type	EAR Name	BAT/sh file to be run	Property file to be used	Folder Location in Destination Path		
OFCL	OBCL	Any Distinct Name	CLEarRun.bat or CLEarRun.sh	fcubs.properties	WAR file in build folder		
GW- Integrated	INTEGRATED	Any Distinct Name	CLGatewayEarRun .bat or CLGatewayEarRun .sh	GW_WS_Prop.pro perties	WAR file in gatewayBuil d folder OFCLWeb		
GW-Individual	INDIVIDUAL	Not Required	CLGatewayEarRun .bat or CLGatewayEarRun .sh	GW_WS_Prop.pro perties	WAR file in gatewayBuil d folder OFCLWeb		
GW-REST	INDIVIDUAL	Any Distinct Name	CLGatewayRestEa rRun.bat or CLGatewayRestEa rRun.sh	GW_REST_Prop.p roperties and GW_RESTEJB_Pr op.properties	Individual: WAR file in gatewayBuil d folder Integrated: EAR file in Destination folder		
GW-MDB	GATEWAY	Any Distinct Name	GWMDBEarRun.b at GWMDBEarRun.sh	GW_MDB_Prop.pr operties	WAR file in GWMDBuild folder		
GW-HTTP	GATEWAY	Any Distinct Name	GWHTTPEarRun.b at GWHTTPEarRun.s h	GW_HTTP_Prop.p roperties	WAR file in GWHTTPBuil d folder		



Table 1-1 (Cont.) Standalone

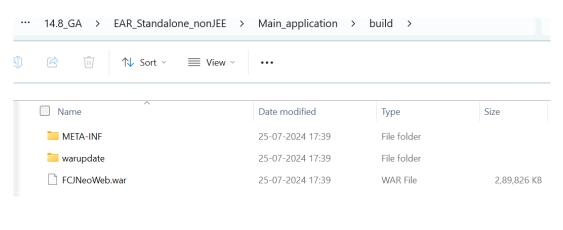
Product Type	Application Type	EAR Name	BAT/sh file to be run	Property file to be used	Folder Location in Destination Path
Scheduler	SCHDLR	Any Distinct Name	SchedulerEarRun. bat or SchedulerEarRun.s h	Scheduler.properti es	WAR file in buildSchedul er folder
ODT	ODT	Any Distinct Name	ODTWarRun.bat or ODTWarRun.sh	ODT.properties	-

This table shows the BAT/sh scripts that need to be run individually for each EAR creation. The env.properties will have the appropriate application type set.

1. To set up the OBCL WAR build, you need to execute the CLEarRun.bat file found in the \INSTALLER\SOFT directory on Windows, or the CLEarRun.sh file on Linux.

The mentioned source path will generate a WAR file with the following folder structure.

Figure 1-3 War Build - Folder Structure

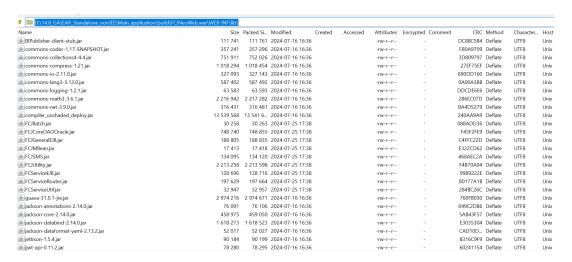




As per the latest Installer changes, all the .jar files will be copied to the FCJNeoWeb.war\WEB-INF\lib folder.



Figure 1-4 FCJNeoWeb library folder

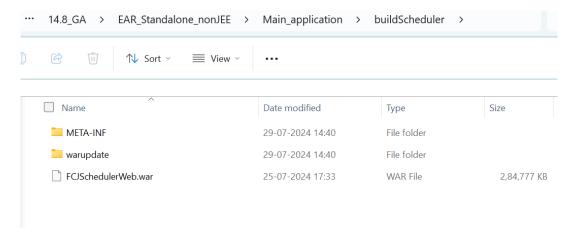


When EXT_JSUIXML is chosen, it will create the JS_UIXML folder in parallel to the build folder. You should manually copy this folder to the Deployment Path specified in env.properties.

- To run Gateway WAR, execute CLGatewayEarRun.bat (CLGatewayEarRun.sh)
- 3. To run EJB, MDB and HTTP gateways, execute the respective bat files that is GWEJBEarRun.bat (GWEJBEarRun.sh), GWMDBEarRun.bat (GWMDBEarRun.sh) and GWHTTPEarRun.bat (GWHTTPEarRun.sh).
- 4. To run ODT, execute ODTWarRun.bat in Windows (ODTWarRun.sh in Linux) after building odt.properties.
- 5. To run STAND ALONE SCHEDULER, execute SchedulerEarRun.bat in Windows or SchedulerEarRun.sh in Linux. After this deploy the EAR in the application console.

The mentioned source path will generate a WAR file with the following folder structure.

Figure 1-5 Build Scheduler - Folder Structure







As per Installer changes, Scheduler war will be generated with FCJSchedulerWeb.war name, and all the .jars files are copied to the FCJSchedulerWeb.war\WEB-INF\lib folder,

Figure 1-6 FCJSchedulerWeb library folder

Name	Size	Packed Si	Modified	Created	Accessed	Attributes	Encrypted Comment	CRC	Method	Character	. Ho
BIPublisher-client-stub.jar	111 741	111 761	2024-07-16 16:36			-rw-rr	-	DC8BC5B4	Deflate	UTF8	Un
commons-codec-1.17-SNAPSHOT.jar	357 241	357 296	2024-07-16 16:36			-rw-rr	-	F80A9709	Deflate	UTF8	Un
commons-collections4-4.4.jar	751 911	752 026	2024-07-16 16:36			-rw-rr	-	3D809797	Deflate	UTF8	Un
commons-compress-1.21.jar	1 018 294	1 018 454	2024-07-16 16:36			-rw-rr	-	27EF75EF	Deflate	UTF8	Ur
≦ commons-io-2.11.0.jar	327 093	327 143	2024-07-16 16:36			-rw-rr	-	690DD160	Deflate	UTF8	Ur
€ commons-lang3-3.12.0.jar	587 402	587 492	2024-07-16 16:36			-rw-rr	-	0A00A3BB	Deflate	UTF8	Ur
commons-logging-1.2.1.jar	63 583	63 593	2024-07-16 16:36			-rw-rr	-	DDCDE6E6	Deflate	UTF8	Ur
commons-math3-3.6.1.jar	2 216 942	2 217 282	2024-07-16 16:36			-rw-rr		286EC07D	Deflate	UTF8	Ur
€ commons-net-3.9.0.jar	316 431	316 481	2024-07-16 16:36			-rw-rr	-	BA4D5279	Deflate	UTF8	Ur
≦compiler_unshaded_deploy.jar	13 539 568	13 541 6	2024-07-16 16:36			-rw-rr	-	240AA9A9	Deflate	UTF8	Ur
≦ FCJBulker.jar	1 195 199	1 195 384	2024-07-25 17:33			-rw-rr	-	C64558B7	Deflate	UTF8	Ur
€ FCJCoreDAOOracle.jar	748 740	748 855	2024-07-25 17:33			-rw-rr	-	C0FCE8E2	Deflate	UTF8	Ur
≦ FCJScheduler.jar	876 151	876 286	2024-07-25 17:33			-rw-rr	-	7F612FE4	Deflate	UTF8	Ur
FCJUtility.jar	2 213 258	2 213 598	2024-07-25 17:33			-rw-rr	-	663091BF	Deflate	UTF8	Ur
∭jettison-1.5.4.jar	90 184	90 199	2024-07-16 16:36			-rw-rr	-	B316C9F9	Deflate	UTF8	Ur
≦log4j-1.2-api-2.17.1.jar	208 005	208 040	2024-07-16 16:36			-rw-rr		B22E97AA	Deflate	UTF8	Ur
	301 873	301 923	2024-07-16 16:36			-rw-rr	-	433DA8C8	Deflate	UTF8	Un
≦log4j-core-2.17.1.jar	1 790 452	1 790 727	2024-07-16 16:36			-rw-rr	-	01A020E6	Deflate	UTF8	Ur
≦ poi-5.2.0.jar	2 897 386	2 897 831	2024-07-16 16:36			-rw-rr	-	5A459BAF	Deflate	UTF8	Ur
€ poi-ooxml-5.2.0.jar	1 958 735	1 959 035	2024-07-16 16:36			-rw-rr	-	301F9ABF	Deflate	UTF8	Ur
≦ poi-ooxml-full-5.2.0.jar	13 059 924	13 061 9	2024-07-16 16:36			-rw-rr		44263349	Deflate	UTF8	Ur
	691 184	691 294	2024-07-16 16:36			-rw-rr	-	6CA59658	Deflate	UTF8	Ur
quartz-jobs-2.4.0-SNAPSHOT.jar	34 006	34 016	2024-07-16 16:36			-rw-rr	-	E81A4153	Deflate	UTF8	Ur
ыslf4j-api-1.7.36.jar	41 128	41 138	2024-07-16 16:36			-rw-rr		74F81192	Deflate	UTF8	Ur
spring-aop-5.3.37.jar	385 275	385 335	2024-07-23 10:48			-rw-rr	-	F3F27C92	Deflate	UTF8	Ur
≦ sprinα-beans-5.3.37.iar	706 489	706 599	2024-07-23 10:48			-rw-rr		4B225607	Deflate	UTF8	Ur

Note:

ExtAdapter.(JAR or WAR) is generated for ROFC in case of ELCM_INSTALLED, S(Standalone) and C(Co-deployed) OBCLExtAdapter is embedded with FCJNeoWeb.war, (JAR or WAR) is generated for OBCL in case of ELCM_INSTALLED S(Standalone) and C(Codeployed) both OBCLExtAdapter. (JAR or WAR) and ExtAdapter.(JAR or WAR) is generated for OBCL and ROFC CoDeployed in case of ELCM_INSTALLED S(Standalone) and C(Co-deployed). In case of Oracle Banking Corporate Lending, OBCLCalcEngine WAR file is generated along with EAR. This WAR file is required to be deployed as standalone component for RFR (Risk Free Rates) calculations.

Note:

Ensure the necessary resources are created in the application server as mentioned in the *Resources To Be Created* document.

