

Payments Installer EAR Building
Oracle Banking Payments
Release 14.7.5.0.0
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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

```
1 #Wed Jul 24 12:53:56 IST 2024
2 TNS_ADMIN_HOME=
3 OPM_PRODUCT_INSTALLED=N
4 ENTITY_ID=ENTITY_ID1
5 EXTERNAL_PROPERTY_PATH=
6 EAR_NAME=FCUBS
7 COMPILER_IN_ALL_ENTITIES=N
8 PATCHSET_INSTALLATION=N
9 CONNECTING_STRING_ENTITY_ID=PM147INVDEV1_PDB
10 CONNECTING_STRING_SMS=PM147INVDEV1_PDB
11 DESTINATION_PATH=D:/14.8_GA/Console_Exec_14.8_nonJEE
12 EXTERNAL_JSUIXML_REQUIRED=Y
13 PORT_ENTITY_ID=1521
14 EAR_DESTINATION_PATH=D:/14.8_GA/EAR_Standalone_nonJEE/Main_application
15 APF_SERVER_HOME=C:/Oracle/Middleware/Oracle_Home/wlserver
16 GW_PROPERTIES_PATH=D:/14.8_GA/Console_Exec_14.8_nonJEE/INSTALLER/SOFT/logs/GW_WS_Prop.properties
17 CLOUD_INSTALLATION=N
18 SERVICE_NAME_ENTITY_ID=7HC2Qal7PS5djKCKzy5T2IuryVXLAWWVjJmrcprZs=
19 PASSWORD=
20 AUTONOMOUS_DATABASE_INSTALLED=N
21 ZDT_OBJECTS_ACTUALIZATION_REQUIRED=Y
22 SYMMETRIC_KEY=oraclefinancials
23 SINGLE_FIX_SOURCE=N
24 ZDT_OBJECTS_COMPILE_THREAD=1
25 SOURCE_PATH=D:/14.8_GA/Console_Exec_14.8_nonJEE
26 BASE_EDITION=
27 APPLICATION_TYPE=FCUBS
28 EXTERNAL_JSUIXML_PATH=/scratch/work_area/DEV/14.8_GA_Test/JSUIXML
29 NUMBER_OF_CPU_CORES_FOR_ZDT_RECOMP=4
30 JAVA_HOME=C:/Program Files/Java/jdk-11
31 PM_Config_Path=D:/14.8_GA/Console_14.8_nonJEE/PM/INSTALLER/SOFT/config/Application
32 CONTEXT_NAME=FCJNeoWeb
33 DECENTRALIZED=N
34 ENTITY_NOS=1
35 SCHEMA_NAME_SMS=7HC2Qal7PS5JjfOTlqFkV2eMWiZRSSe/nh4=
36 SCHEMA_NAME_ENTITY_ID=7HC2Qal7PS5JjfOTlqFkV2eMWiZRSSe/nh4=
37 SCHEMA=
38 PORT_SMS=1521
39 DECENTRALIZED_FCUBS_PROPERTIES_PATH=
40 ORACLE_HOME=D:/app/client/skunani/product/19.0.0/client_1
41 JSESSION_ID=
42 ZDT_PATCHING=N
43 WEBLOGIC_HOME=C:/Oracle/Middleware/Oracle_Home/wlserver
44 PASSWORD_SMS=7HC2Qal7PS5JjfOTlqFkV2eMWiZRSSe/nh4=
45 USER_NAME=
46 HOST_SMS=jQ23W6kEXUks/jiKqBVh4snx+labBg844H50q+4=
47 SERVICE_NAME_SMS=7HC2Qal7PS5djKCKzy5T2IuryVXLAWWVjJmrcprZs=
48 PATCHSET_EDITION=
49 HOST_ENTITY_ID=jQ23W6kEXUks/jiKqBVh4snx+labBg844H50q+4=
50 PASSWORD_ENTITY_ID=7HC2Qal7PS5JjfOTlqFkV2eMWiZRSSe/nh4=
51 ConfigPath=D:/14.8_GA/Console_Exec_14.8_nonJEE/INSTALLER/SOFT/config/Application
52 FCHome=D:/14.8_GA/Console/
53 EXTERNAL_PROPERTY_PATH_REQUIRED=N
54 FCUBS_PROPERTIES_PATH=D:/14.8_GA/Console_Exec_14.8_nonJEE/INSTALLER/SOFT/GUI/fcubs.properties
55 varedited=N
56
```

FCUBS_PROPERTIES_PATH Mention the property file path with file name where it is been placed.

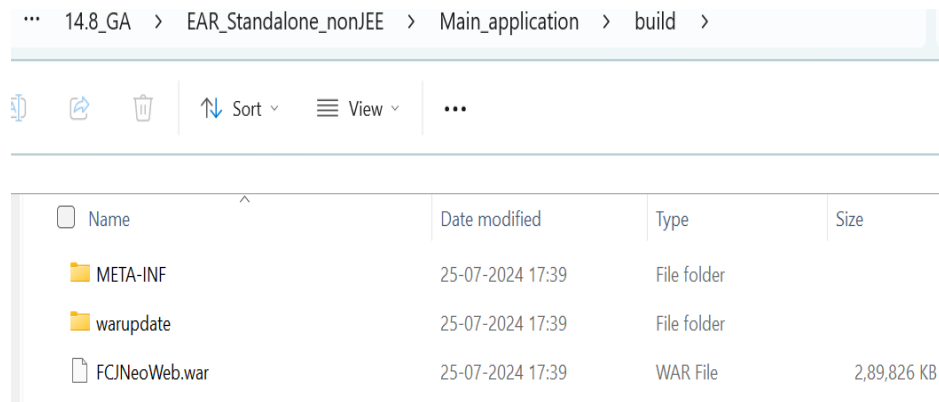
4. Maintain the following Application Type according to the product type.

Product Type	Application Type	WAR Name
PAYMENTS	FCUBS	Any Distinct Name
GW-Integrated	INTEGRATED	Any Distinct Name
GW-Individual	INDIVIDUAL	Not Required
GW-MDB,EJB,HTTP	GATEWAY	Any Distinct Name
Scheduler	SCHDLR	Any Distinct Name

1.2 Standalone Setup

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

WAR file will be generated in the mentioned source path with below folder structure.



Note:

As per latest Installer changes all .jars will gets copied to `FCJNeoWeb.war\WEB-INF\lib` folder. Below is the reference structure.

D:\14.8_GA\EAR_Standalone_nonJEE\Main_application\build\FCJNeoWeb.war\WEB-INF\lib\													
Name	Size	Packed Si...	Modified	Created	Accessed	Attributes	Encrypted	Comment	CRC	Method	Character...	Host	
BIPublisher-client-stub.jar	111 741	111 761	2024-07-16 16:36			-rw-r--r--	-		DC8BC5B4	Deflate	UTF8	Unix	
commons-codec-1.17-SNAPSHOT.jar	357 241	357 296	2024-07-16 16:36			-rw-r--r--	-		F80A9709	Deflate	UTF8	Unix	
commons-collections4-4.4.jar	751 911	752 026	2024-07-16 16:36			-rw-r--r--	-		3D809797	Deflate	UTF8	Unix	
commons-compress-1.21.jar	1 018 294	1 018 454	2024-07-16 16:36			-rw-r--r--	-		27EF75EF	Deflate	UTF8	Unix	
commons-io-2.11.0.jar	327 093	327 143	2024-07-16 16:36			-rw-r--r--	-		690DD160	Deflate	UTF8	Unix	
commons-lang3-3.12.0.jar	587 402	587 492	2024-07-16 16:36			-rw-r--r--	-		0A00A3B8	Deflate	UTF8	Unix	
commons-logging-1.2.1.jar	63 583	63 593	2024-07-16 16:36			-rw-r--r--	-		DDCDE6E6	Deflate	UTF8	Unix	
commons-math3-3.6.1.jar	2 216 942	2 217 282	2024-07-16 16:36			-rw-r--r--	-		286EC07D	Deflate	UTF8	Unix	
commons-net-3.9.0.jar	316 431	316 481	2024-07-16 16:36			-rw-r--r--	-		BA4AD5279	Deflate	UTF8	Unix	
compiler_unshaded_deploy.jar	13 539 568	13 541 6...	2024-07-16 16:36			-rw-r--r--	-		240AA9A9	Deflate	UTF8	Unix	
FCJBatch.jar	30 258	30 263	2024-07-25 17:38			-rw-r--r--	-		088ADD36	Deflate	UTF8	Unix	
FCJCoreDAOOracle.jar	748 740	748 855	2024-07-25 17:38			-rw-r--r--	-		F45F2FE9	Deflate	UTF8	Unix	
FCJGeneralEJB.jar	188 805	188 835	2024-07-25 17:38			-rw-r--r--	-		CAFFC22D	Deflate	UTF8	Unix	
FCJMBean.jar	17 413	17 418	2024-07-25 17:38			-rw-r--r--	-		E322CD62	Deflate	UTF8	Unix	
FCJSMS.jar	134 095	134 120	2024-07-25 17:38			-rw-r--r--	-		468AEC2A	Deflate	UTF8	Unix	
FCJUtility.jar	2 213 258	2 213 598	2024-07-25 17:38			-rw-r--r--	-		F487A0A4	Deflate	UTF8	Unix	
FCServiceEJB.jar	128 696	128 716	2024-07-25 17:38			-rw-r--r--	-		9989222E	Deflate	UTF8	Unix	
FCServiceRouter.jar	197 629	197 664	2024-07-25 17:38			-rw-r--r--	-		80177A1B	Deflate	UTF8	Unix	
FCServiceUtil.jar	32 947	32 957	2024-07-25 17:38			-rw-r--r--	-		284BC26C	Deflate	UTF8	Unix	
guava-31.0.1-jre.jar	2 974 216	2 974 671	2024-07-16 16:36			-rw-r--r--	-		760FB030	Deflate	UTF8	Unix	
jackson-annotations-2.14.0.jar	76 091	76 106	2024-07-16 16:36			-rw-r--r--	-		049C2D86	Deflate	UTF8	Unix	
jackson-core-2.14.0.jar	458 975	459 050	2024-07-16 16:36			-rw-r--r--	-		5AB43F57	Deflate	UTF8	Unix	
jackson-databind-2.14.0.jar	1 618 273	1 618 523	2024-07-16 16:36			-rw-r--r--	-		E3035304	Deflate	UTF8	Unix	
jackson-dataformat-yaml-2.13.2.jar	52 017	52 027	2024-07-16 16:36			-rw-r--r--	-		CAD10D...	Deflate	UTF8	Unix	
jettison-1.5.4.jar	90 184	90 199	2024-07-16 16:36			-rw-r--r--	-		8316C9F9	Deflate	UTF8	Unix	
jjwt-api-0.11.2.jar	78 280	78 295	2024-07-16 16:36			-rw-r--r--	-		60241154	Deflate	UTF8	Unix	

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.

- For STAND ALONE SCHEDULER, execute SchedulerEarRun.bat in windows (SchedulerEarRun.sh in linux). Scheduler war gets generated with FCJSchedulerWeb.war name. And all .Jars will gets copied to FCJSchedulerWeb.war\WEB-INF\lib

WAR file gets generated in the mentioned source path with below folder structure.

14.8_GA > EAR_Standalone_nonJEE > Main_application > buildScheduler >				
Sort View ...				
Name	Date modified	Type	Size	
META-INF	29-07-2024 14:40	File folder		
warupdate	29-07-2024 14:40	File folder		
FCJSchedulerWeb.war	25-07-2024 17:33	WAR File	2,84,777 KB	

D:\14.8_GA\EAR_Standalone_non\EE\Main_application\buildScheduler\FCJ\SchedulerWeb.war\WEB-INF\lib\												
Name	Size	Packed Size	SL	Modified	Created	Accessed	Attributes	Encrypted	Comment	CRC	Method	Character...
BI\Publisher-client-stub.jar	111 741	111 761		2024-07-16 16:36			-RW-r--r--	-		DC8BC5B4	Deflate	UTF8
commons-codec-1.17-SNAPSHOT.jar	357 241	357 296		2024-07-16 16:36			-RW-r--r--	-		F80A9709	Deflate	UTF8
commons-collections4-4.4.jar	751 911	752 026		2024-07-16 16:36			-RW-r--r--	-		3D809797	Deflate	UTF8
commons-compress-1.21.jar	1 018 294	1 018 454		2024-07-16 16:36			-RW-r--r--	-		27EF75EF	Deflate	UTF8
commons-io-2.11.0.jar	327 093	327 143		2024-07-16 16:36			-RW-r--r--	-		690DD160	Deflate	UTF8
commons-lang3-3.12.0.jar	587 402	587 492		2024-07-16 16:36			-RW-r--r--	-		0A00A3B8	Deflate	UTF8
commons-logging-1.2.1.jar	63 583	63 593		2024-07-16 16:36			-RW-r--r--	-		DDCDE6E6	Deflate	UTF8
commons-math3-3.6.1.jar	2 216 942	2 217 282		2024-07-16 16:36			-RW-r--r--	-		286EC07D	Deflate	UTF8
commons-net-3.9.0.jar	316 431	316 481		2024-07-16 16:36			-RW-r--r--	-		BA4D5279	Deflate	UTF8
compiler_unshaded_deploy.jar	13 539 568	13 541 6...		2024-07-16 16:36			-RW-r--r--	-		240AA9A9	Deflate	UTF8
FCJ\Bulkier.jar	1 195 199	1 195 384		2024-07-25 17:33			-RW-r--r--	-		C64558B7	Deflate	UTF8
FCJ\CoreDAOOracle.jar	748 740	748 855		2024-07-25 17:33			-RW-r--r--	-		C0FCE8E2	Deflate	UTF8
FCJ\Scheduler.jar	876 151	876 286		2024-07-25 17:33			-RW-r--r--	-		7F612FE4	Deflate	UTF8
FCJ\Utility.jar	2 213 258	2 213 598		2024-07-25 17:33			-RW-r--r--	-		663091BF	Deflate	UTF8
jettison-1.5.4.jar	90 184	90 199		2024-07-16 16:36			-RW-r--r--	-		B316C9F9	Deflate	UTF8
log4j-1.2-api-2.17.1.jar	208 005	208 040		2024-07-16 16:36			-RW-r--r--	-		822E97AA	Deflate	UTF8
log4j-api-2.17.1.jar	301 873	301 923		2024-07-16 16:36			-RW-r--r--	-		433DA8C8	Deflate	UTF8
log4j-core-2.17.1.jar	1 790 452	1 790 727		2024-07-16 16:36			-RW-r--r--	-		01A020E6	Deflate	UTF8
poi-5.2.0.jar	2 897 386	2 897 831		2024-07-16 16:36			-RW-r--r--	-		5A459BAF	Deflate	UTF8
poi-ooxml-5.2.0.jar	1 958 735	1 959 035		2024-07-16 16:36			-RW-r--r--	-		301F9ABF	Deflate	UTF8
poi-ooxml-full-5.2.0.jar	13 059 924	13 061 9...		2024-07-16 16:36			-RW-r--r--	-		44263349	Deflate	UTF8
quartz-2.4.0-SNAPSHOT.jar	691 184	691 294		2024-07-16 16:36			-RW-r--r--	-		6CA59658	Deflate	UTF8
quartz-jobs-2.4.0-SNAPSHOT.jar	34 006	34 016		2024-07-16 16:36			-RW-r--r--	-		E81A4153	Deflate	UTF8
slf4j-api-1.7.36.jar	41 128	41 138		2024-07-16 16:36			-RW-r--r--	-		74F81192	Deflate	UTF8
spring-aop-5.3.37.jar	385 275	385 335		2024-07-23 10:48			-RW-r--r--	-		F3F27C92	Deflate	UTF8
spring-beans-5.3.37.jar	706 489	706 599		2024-07-23 10:48			-RW-r--r--	-		4B225607	Deflate	UTF8

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

- Copy below folders from **Payments** OSDC.zip to the **FCUBS** OSDC.zip.
 - INFRA\PM*
 - INFRA\PS*
- Copy the **PM** folder from **Payments** OSDC.zip to the **FCUBS** OSDC.zip.
- 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: 14.6.0.0.0
 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** bat file in windows (ROFCEarRun.sh in linux) for FCUBS + Payments WAR build.
 8. For Codeployed, Gateway WAR 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 EJB, MDB and HTTP gateways, run the respective bat files i.e. GWEJBEarRun.bat (GWEJBEarRun.sh), GWMDBEarRun.bat (GWMDBEarRun.sh) and GWHTTPEarRun.bat (GWHTTPEarRun.sh).



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