

# LegacyJ Transaction Platform - Preparation

## Take Inventory

The first preparation step is to identify and locate all existing application files. The application must be assembled to include all application source modules (COBOL). In the process all program dependencies must be prepared for a compile of the CICS COBOL resources.

Your inventory should include:

- All files forming a logical compilation unit should be present.
- SQL schemas for any database data access by the application.
- Any assembler, PL/I or other language dependency modules required as linked routines must be translated to COBOL.
- Are direct terminal control or distributed processing statements (APPC) used? These are not supported; a compile error will be generated in PERCobol compile step if they are present.
- Are SPI, FEPI or BTS commands used? These are not supported; a compile error will be generated in PERCobol compile step if they are present.

## Name the Resources (correct the programming qualifiers)

Verify that the program resources are presented and have created program qualifiers:

1. **COBOL copy files** should end .cpy and be located in the copylib folder.
2. **SQL include files** should end .cpy and be located in the copylib folder.
3. **CICS system copyfiles** (DFH...) must be copied to the copylib folder if used; none of these copyfiles are included with PERCobol and the LegacyJ Transaction Platform.
4. **BMS files** (macro source) should end in .bms and be located in the resources folder.
5. **COBOL source** should end .cbl and be located in the cobol\_source folder.

## Compile

The Compile Step required to migrate the CICS application onto the LegacyJ Transaction Platform should be complete.

## Data and Database Steps

### SQL

- The database currently in use on the system must be known and whether it will continue to be used after migration.
- The JDBC drivers for the target database should be obtained from the database vendor. Care should be taken to learn which database support is available from the Application Server vendor.
- Any SQL setup information should be available, including SQL schemas for creation of database.
- If targeting a new database installation, the database itself will need to be prepared and any existing data copied. Be aware that VSAM data will also be targeting SQL.

### VSAM

LegacyJ supports VSAM data in SQL and to activate this support a dataset specification file needs to be created to identify these datasets. The dataset.xml files are created in the following manner:

1. Place a \$XFD FILE="dataset.xml", with \$ in indicator column, on the line before any group item used in the file.
2. This will be the basis of the mapping between VSAM File Control statements (READ, READNEXT, READPREV, WRITE, REWRITE, STARTBR, ENDBR) and the database. The \$XFD command may be removed after generating the template dataset.xml.

3. Create the database using data from VSAM using third-party tool, or create new database.
4. Map the table and column names in the dataset.xml file to the actual table and column names used in the database.
5. Place the dataset.xml file in the resources folder.
6. The database setup will need to be prepared.

### Transaction Platform Setup Questions:

1. Transient Data Queues? If so, they must be listed.  
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\_\_\_\_\_
2. Are Journals used? If so, they must be listed.  
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\_\_\_\_\_
3. Is an implicit CWA used? If so, its contents must be listed.  
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\_\_\_\_\_
4. Are Operator commands used? If so, the operator channels must be listed.  
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\_\_\_\_\_
5. Are Spool commands used? If so, are they internal only, or attached to external system spools? If external, have something on the other end of the queue to handle the spool requests.  
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\_\_\_\_\_
6. What program names are used in LINK, XCTL, or RETURN commands? They must be listed.  
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\_\_\_\_\_
7. What transactions are used? What programs do they map to? These connections must be listed.  
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\_\_\_\_\_
8. Are counters used? If so, this must be listed and the counter service must be started.  
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9. Setup the application server's queues, data sources, etc. according to the listed services required.  
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### Deploy

You are now ready to run the LegacyJ Export Wizard to create an exportable .ear file. Deploy on the Application and the LegacyJ Platform onto your application Server by **Uploading** to the application server. <http://www.legacyj.com/LegacyJTransactionPlatform.pdf>