



Caravel™ – Mainframe Platform

Instructions for the Delivery of the Application

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Index

1. HOW TO PREPARE A COMPUTER SYSTEM TO BE CONVERTED (CSC) FOR A CARAVEL™ PROJECT	3
1.1 DELIVERY FORMAT OF YOUR SYSTEM TO TRANSTOOLS	3
1.2 INFORMATION ABOUT CORRESPONDENCE BETWEEN OBJECTS AND SOURCES	7
1.3 INFORMATION ABOUT THE PREVIOUS ENVIRONMENT OF COMPILATION.....	7
1.3.1 <i>Information about compilation options of the objects</i>	8
1.3.2 <i>Information about the order of the compilation</i>	8
2. INFORMATION ABOUT THE CONFIGURATION AND TEST CASES	9
2.1 INFORMATION ABOUT THE INSTALLATION AND CONFIGURATION OF THE COMPUTER SYSTEM TO BE CONVERTED	9
2.2 INFORMATION ABOUT TEST CASES.....	9

1. How to prepare a Computer System to be Converted (CSC) for a Caravel™ project

The Caravel™ conversion process begins with the preparation of the Computer System to be Converted (CSC). This document describes the requirements that this client-owned CSC needs to fulfil in order to proceed to its conversion via the Caravel™ technology. Furthermore, the CSC has to be validated by TransTOOLS prior to its conversion (this document includes information about the validation as well).

Later on in the conversion process, the Computer System to be Converted —by then validated— will be put in the offices of TransTOOLS on a system with similar characteristics as the original one. Another possibility consists in keeping the CSC in the client's offices on a platform that is at the TransTOOLS-staff disposal.

This System will be used as a master or reference regarding the Converted Computer System that will be the result of the Caravel™ conversion process. The comparison will use several test cases that are determined by the customer.

In short, for the validation of a Computer System to be Converted, it is necessary to provide TransTOOLS with a copy of that CSC which includes sources and objects (ordered and of one single version) along with a unequivocal process of compilation.

1.1 Delivery format of your System to TransTOOLS

Here you will find all the information about how to send the CSC to TransTOOLS:

- You need to provide TT with information about the System to be Converted in a directory and file structure according to the following nomenclature:
 - root directory ("*I*"):

This directory needs to contain a file "version.txt" with the corresponding date of creation, the version of sources and files, and a description of the send object. You should also specify the version of the original operating system as well as the version of the compilers used in the sent sources.

If you are using SAM and/or VSAM files:

- “VSAM/LISCAT” directory
Needs to contain “<catalogue>.txt” files, generated via the command LISCAT for each one of the VSAM catalogues to be migrated.
- “VSAM/DATA” directory
Needs to contain “<name of the file>.dat” files, generated when the VSAM file becomes sequential. It has to be transmitted in binary format via FTP.
- “SAM/DATA” directory
Needs to contain “<name of the file>.dat” files that are generated through the transmission of the SAM file via FTP in binary format.
- “SYSTEM” directory
Needs to contain the “stdlabel.txt” files and the “stdabup.txt” files with the information about the assignments by default of the SAM and VSAM files.

If you are using a CA-DATACOM™ data base:

- “DATACOM/DBTGLM” directory
Needs to contain files named “ddb<data base number>.txt” that are generated by emptying out the information of the repository DATACOM using the command DBDTGLM. Please, use the command DBDTGLM for each one the data bases to be migrated.
- “DATACOM/TRANSPARENCY” directory
Needs to contain the “vit.txt” files and the “vit-cics.txt” files with the information about the transparency of the DATACOM™ tables that are used as VSAM.
- “DATACOM/DATA” directory
Needs to contain files named “T<date base number><table number>.dat” generated by emptying out every DATACOM table to be migrated. Need to be of sequential format and transmitted binary via FTP.

If you are using a CICS transaction server:

- “CICS/<name of CICS service>/CONFIG” directory
Needs to contain the “poptct.txt” and “fct.txt” files generated from the information of the CICS configuration.
- “CICS/<name of CICS service>/BMS” directory
Needs to contain a file named “<mapset name>.a” for each one of the sources connected to the BMS maps of the CICS to be migrated.

If BATCH processes need to be migrated:

- “BATCH/JCL” directory
Needs to contain one “<JCL name>.jcl” file for each of those JCL files to be converted.
- “BATCH/PROC” directory
Needs to contain a “<PROC name>.proc” file for each process of JCL commands to be converted.
- “BATCH/COBOL directory”
Needs to contain a “<COBOL source name>.cbl” file for each COBOL I / COBOL II source code to be translated.
- “BATCH/COPY” directory
Needs to contain a “<name of copy>” file (without extension) for each source code of COPY-Book COBOL I / COBOL II to be translated.

If CICS programs need to be migrated:

- “CICS/COBOL” directory
Needs to contain a “<COBOL name>.cbl” file for each COBOL CICS source code to be translated.



- “CICS/COPY” directory

Needs to contain a file named “<name of COPY>” (without extension) for each source of the COPY-Book COBOL CICS to be translated.

If DB2® data bases have to be migrated:

- “DB2/DDL” directory

Needs to contain a “<DB2 object name>.sql” file for each DB2® object to be migrated.

- “DB2/EXPORT” directory

Needs to contain a sequential file named “<DB2 object name>.dat” for each DB2 table to be migrated. It will contain the result of the command DB2® EXPORT with format DELIMITED. Those files need to be extracted from the HOST via a FTP in binary format.

- “DB2/MISC” directory

Needs to contain a “<DB2 object name>.txt” file with additional specifications (set-up of permissions, tablespaces, etc.) for each DB2® object to be migrated that require specific operations. If those specific operations should not be necessary, the additional information can be left out.

If you have REXX sources:

- “REXX” directory

Needs to contain a “<REXX object name>.rexx” file for each REXX source to be migrated.

If objects of other types need to be migrated:

Generally speaking you need to create a directory with the specific object and submit a source in text format. Its name should be the same as the object's one and the extension should be meaningful to determine what kind of object it is.

Since the total size of the structure of the sources and data files that you will send us can be very big, you can split it in various compressed files using WINZIP. Please ensure that —when decompressed— the explained structure will be kept.

- The client and TransTOOLS will agree upon a way of how to send the information. Presently, we can receive the information via the following medias:
 - I. FTP. (we will set up an account on the TransTOOLS' FTP server).
 - II. CD-ROM.
 - III DVD-ROM.

1.2 Information about correspondence between objects and sources

In order to proceed to the conversion it is necessary to know the exact correspondences between the objects and their sources. Therefore you need to provide us with a procedure so we can establish those connections in the right way. Please be aware of the following:

- You need to provide TransTOOLS with information about which source corresponds to each one of the objects (if there are different nomenclatures to name the phases).
- Sourceless objects must not exist.
- Sources without objects must not exist.
- Thus, duplicated sources cannot exist.

We suggest that the object name is the same as the source name. If that should in specific cases not be possible, we will agree upon a method of how to solve this problem together.

1.3 Information about the previous environment of compilation

The Caravel™ conversion requires compiling the Computer System to be Converted as often as needed and in the desired environment. Therefore we ask you to provide us with the information that we need in order to be able to take care of this process independently.

Please provide us with the information for executing the required commands and options prior to the compilation of each object.



1.3.1 Information about compilation options of the objects

Please inform us about the options that have to be used for each object compilation.

1.3.2 Information about the order of the compilation

The client will inform us about the order that has to be applied for the compilation of the whole of libraries and objects.



2. Information about the configuration and Test Cases

To proceed to the validation of the Computer System to be Converted, we need to receive several Test Cases besides the System itself. The Test Cases permit to execute the System on the original platform, wherefore we need information about how to install and configure it in an adequate way.

2.1 Information about the Installation and configuration of the Computer System to be Converted

You need to provide us with the necessary information concerning the configuration of the system on the original platform. Thereby we can realize all the Test Cases that form part of the certification (as for instance: user profiles, devices, printers, etc.).

2.2 Information about Test Cases

For a more detailed documentation of the Test Cases please have a look at the TransTOOLS document named "Caravel Methods of Certification".