PRODUCT OVERVIEW: COBOL KeePÍR for IMS/DL1
CICS/DL1 COBOL TO IBM AS/400 COBOL

GENERAL DESCRIPTION.

COBOL KeePÍR for IMS/DLI is a utility that converts Mainframe CICS/DL1 to AS/400 COBOL, utilizing the native AS/400 relational database capabilities. The tool will provide exceptionally high conversion directly into native COBOL, permitting access to all features of the AS/400 CPU.

COBOL KeePÍR for IMS/DLI handles the replacement of all database I/O by an I/O module written in COBOL. This module will interpret the calls made to the DLI module and satisfy the request. This is the best way to handle the I/O since it leaves the area in the application program for data retrieval and updating in tack with no manual changes. Since the file handling is a major change in going to the AS400 this approach makes for any file I/O problems easy to identify and correct , since they are all done in a single file I/O program rather than changes into every program.

COBOL KeePÍR for IMS/DLI includes many features to insure that converted code is easily maintainable. The program algorithm is kept completely intact. The mainframe code is commented out and the AS/400 equivalent is inserted below it.   Thus programmers who are familiar with the mainframe programs will easily maintain and enhance their AS/400 clones. This dramatically reduces programmers' learning curve on the AS/400 and provides a high confidence level that when a converted program compiles, it will duplicate the mainframe transaction.

GENERAL FEATURES for COBOL KeePÍR IMS/DLI

* The utility reads and converts programs written in 74 COBOL and 85 COBOL producing output in AS/400 native 85 COBOL.

* A single command converts and compiles an entire library. The utility operates in a lights-out environment to produce output ready for unit test by the following morning.

* The utility supports both conversational and pseudo-conversational program structure.

* The standard AS/400 command interface is used to drive the conversion utility.

* All comments contained in the original code appear in the same location in the converted AS/400 program.

* COBOL data-names generated by the utility, are extensions of existing field-names found in the program.

* All copy books are converted and retain the same identity.

* The tool generates a detailed error report.

SCREEN SUPPORT FEATURES

* Each BMS MAP set is converted to native AS/400 DDS screen specifications, and a COBOL Screen Handler that duplicates CICS screen map processing.

* All BMS field names are retained.

* PF key feedback, cursor feedback and positioning, and screen field attributes are converted to retain the "look and feel" of the original transaction.

* The original screen layouts are preserved, and the conversion is transparent to the user. No changes in input method are required.

FILE SUPPORT FEATURES

* Files (VSAM/DB2/DL1) are converted to AS/400 data bases using the COBOL field names as data base field names.

  (Data Base re-engineering will consist of modifying each segment to it contains the full key of its ● parent)

* COBOL VSAM file access commands are converted to access the AS/400 relational data base.

* COBOL DL1 calls access t he AS/400 relational data base via the centralized file I/O program.

* Variable Length Records will be converted to fixed length. At CLIENT option, other solutions may be implemented at ATI standard billing rate.

FEATURES NOT SUPPORTED OR REQUIRING MANUAL INTERVENTION:

* 3270 data streams

* Certain uses of BLL Cells

* Some versions of address passing

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