CONTROL/DCD RELEASE 2.4

Marble Computer, Inc.   **May, 2021**

Introducing Release 2.4

Control/DCD Release 2.4 is a significant upgrade to our flagship software product for documenting COBOL programs and aiding in the migration from older versions of COBOL to COBOL 6.X.

The major enhancements include the following:

• Compile Mode has been enhanced to provide a hierarchical program flowchart, new COBOL analytics, and a new enhanced data field narrative.

• Independent Mode is also enhanced with the above mentioned features. No need to use a COBOL compiler to produce Control/DCD's reports.

• A complete reformatting of all report output to be viewable within the 80 column limitation of ISPF.

• Summary reporting on all programs that require modification for COBOL 6.x including Invalid Data, Call Parameter, Missing Values and Binary and Packed data issues.

Control/DCD Release 2.4 brings new capabilities that increase programmer productivity. Easier to use reporting output along with enhanced documentation make it simple to locate required code modifications.

Release 2.4 includes enhancements to the Digital Documentation Manual introduced Release 2.1. The COBOL Source Editor has been updated to support easier viewing under ISPF.

Control/DCD's installation process has been updated with a more detailed installation guide.

Control/DCD release 2.4 comes with an updated online training tutorial and workbook.

IBM estimates that there is now around 250 billion lines of COBOL code being maintained throughout the world. These are mainframe production applications that store and serve as much as 70% of the world's Enterprise Data, and account for over $30 Trillion daily in economic activity. COBOL is now more efficient with the new Enterprise Compilers from IBM.

Did you know......

Marble Computer has been in business since 1983.

Our primary product Control/DCD helps major corporations manage their mission critical applications 24x7.

Marble Computer's Independent Mode Improves Programmer Productivity

Control/DCD

The new way to manage the mainframe source code environment.

With over 39 years of mainframe experience Marble Computer is taking the legacy of it's DCD product line and utilizing the most advanced techniques for programmers to document and understand a program's logic and business rules.

Program modifications are made quickly, easily and accurately.

For more information:

Call (800) 252-1400 to arrange for a free trial.

Independent Mode

Up until Control/DCD Release 2.4 programmers had to submit source code to an IBM compiler to get a Listing, Cross Reference List, Compiler diagnostics warnings and errors.

Control/DCD eliminates the need to use a COBOL compiler to get all the above, in addition to information that the compiler does not provide.

Independent Mode is a more cost effective method for enhanced diagnostic information. A more cost effective method for migration to the new Enterprise Compilers.

Control/DCD provides:

- Migrating to COBOL 6.X is much faster with Control/DCD's special summary report. The Invalid Data Summary Report details which programs have to be fixed prior to using the IBM COBOL Compiler.

- Hierarchical notation on program flow, data field narratives

- Perform errors, unused code, unused 01 records and copybooks

- Invalid Data detection. Call parameter errors. Occurs clause errors. Perform errors, and much more

Control/DCD is executed via JCL so the programmer sets the job up once and submits the work for batch execution.

Marble Computer is an IBM Business Partner for z/OS Software.

How The Digital Documentation Manual Works

Using Control/DCD's ISPF menus the user requests a Digital Documentation Manual. The output of the request is a binder of reports in .pdf format.

The .pdf output is than transferred, via FTP, to any computing device that supports a PDF reader.

Once on a PC, for instance, the host's PDF reader becomes the searching and notation tool.

The DDM's output incudes the following reports:

FIELD-NAME NARRATIVE

CALLED ROUTINES

OCCURS CLAUSE ERRORS

ERRORS—INVALID DATA

COPYBOOKS USED

FORWARD-TRACING

PERFORM-ANALYSIS

PERFORMED-ROUTINES

DISPLAY FIELD ERRORS

CODE-NOT-USED

OPENED & CLOSED FILES

SQL USAGE

COBOL 6.X WARNINGS

The DDM Is Download To A PC-Tablet-Cellphone For Use With Any PDF Reader

By utilizing Control/DCD's simple command structure under intelligent ISPF menus, programmers determine the reports they want produced for their Digital Documentation Manual.

The output is created on the mainframe for transfer to any computing device that has a PDF reader. The DDM output supports PCs, MACs, Tablets and Cellphones.

Additionally, the DDM output can be transferred to Eclipse based IDEs or for use in collaborative products like SharePoint.

The Digital Documentation Manual is highly useful in Code Refactoring Projects. The Code-Not-Used report lists all sections of the program that are never executed. The Performs hierarchical chart will allow your programmers to reset the flow of the code so it is more efficient.

The Errors Report provides warnings for potential Invalid Data and other invalid conditions in the migration of older code to COBOL versions 6.X.

Control/DCD's Benefits

A new level of maintainability for your COBOL applications.

No compile is necessary in order to use Control/DCD.

Control/DCD in either Independent Mode or Compile Mode produces an Alternative Compile Listing (ACL) that makes the COBOL compiler listing unnecessary for documentation. With Control/DCD output is viewed under ISPF's 80 column capability.

Productivity is dramatically increased from the time the code is opened for remediation until it's ready for Alpha and Beta Testing.

Better code means less Job Failures which creates better utilization of the production environment, makes life easier for Job Schedulers and those that support Job Scheduling systems.

Control/DCD supports all versions of IBM mainframe COBOL in Compile Mode as well as with the Digital Documentation Manual.

Control/DCD COBOL Source Editor allow all of the capabilities available with the Digital Documentation Manual to be viewed under the ISPF Editor. Changes to the analyzed program can be made within Control/DCD.

Control/DCD saves CPU cycles. It save development time. It is a cost effective alternative to IDE software products.

Management statistics are produced so that the final code changes can be analyzed as to the quality of the program as well as the programmer. Project management is now able to deliver projects on time and under budget.

Marble Computer software products are z/15 compliant, support z/OS V2.4 and COBOL Version 6.X.

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