



CICS COBOL Advanced Workshop

Length: 4 Days

Course Description: CICS Command Level Programming Workshop is intended for programmers have worked with CICS programs and must develop more involved applications. The course begins with a review of CICS Command Level Programming. The structure and flow of several working CICS Programs is discussed in detail. Basic Mapping Support (BMS) screens also reviewed in detail. A working CICS Applications is modified to add several NEW features. These new features include the use of PF Keys, changing screen field attributes, help facility for a screen and individual fields on the screen, application paging and error handling. Build a “large” application where several CICS programs and user screens interface together. The course consists of a series of lectures, discussions, class exercises, and with hands-on programming workshop problems. Build applications using the following additional CICS features such as - Storage Control, Paging Transactions, Online Printing, CICS System Information, EIB, system storage, DFHCOMMAREA, Changing field attributes, debugging tool such as InterTest or Xpediter

Audience: Programmers who have worked with CICS

Prerequisites: Six months of experience with CICS Command Level Programming, TSO/ISPF, COBOL programming and JCL is required.

Topics:

Day 1

- CICS Programming Review
- Basic Mapping Support (BMS) Review - BMS macros
- Using PF Keys in a CICS Command Level program
- Changing Screen Attributes in a CICS Application program
- Working with the Communications Area among several programs
- Passing data in DFHCOMMAREA, TS Queues, TD Queues
- Accessing VSAM files – Read/Write, Browsing
- Review example programs
- Review example programs
- Debug tools – CEDF, InterTest, Xpediter
- Workshop 1
- CICS Paging
- Workshop 2

Day 2

- CICS Paging (Continued)
- Workshop 3

- Online Printing
- Workshop 4

Day 3

- Accessing System Information – CICS Storage areas and EIB
- Workshop 5

Day 4

- Additional Topics
- CICS Help Screens & Field-sensitive HELP
- Passing Data – DFHCOMMAREA, TS Queue, TD Queue, Channels / Containers
- Web Enable front-end to access a CICS back-end program - Overview
- Workshop 6

Appendices

- Appendix A - Exception Conditions
- Appendix B - EIB (Execution Interface Block) Fields
- Appendix D - Sample Attribute Byte Control Character Table



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- Appendix E - Cobol Functions Not Supported By CICS
- Appendix F - Class Standards
- Appendix G - Class Refresher Questions
- Appendix H - 6 Model BMS Fields
- Appendix I – Test Tools – CEDF, InterTest, Xpediter
- Appendix J – Channels & Containersr