

CICS Application Programming (5 Day)

Benefits

This course provides participants with a hands-on opportunity to learn how CICS works, and how to code effective CICS programs. Students completing this course can be immediately productive as CICS programmers.

Audience

Programmers, and analysts who will design and code programs using Command Level CICS.

Prerequisites

Students should have 6 months experience designing and coding application programs in COBOL, PL/I, or C; or have completed the "Structured COBOL Workshop" course within the last 12 months. Recent experience using ISPF/PDF (especially the text editor) and the ability to code JCL to run simple batch jobs is necessary to complete class assignments.

Course Objectives

On successful completion of this course, the student, with the aid of the appropriate reference materials, should be able to:

1. Design and create CICS application programs using COBOL.
2. Understand the overall flow of control in a CICS region.
3. Develop CICS application programs that incorporate pseudo-conversational programming techniques to minimize resource consumption.
4. Understand the purpose of the CICS translator, and utilize the translator to create programs that use the Command level interface.
5. Understand the steps necessary to prepare a CICS application program for execution.
6. Create 3270-type terminal screen definitions using Basic Mapping Support (BMS).

7. Use the CEMT, CEBR, CEDF, CMAC, and CECI supplied transactions.
8. Access VSAM files in CICS application programs, using both Direct and Sequential processing
9. Understand and use the Temporary Storage Queues.
10. Use Commareas and Channels / Containers to facilitate inter-program communication.
11. Understand the definition and use of Transient Data Queues.
12. Use various COBOL and Language Environment support facilities to facilitate debugging.