

CICS Command Level Workshop

CDT500

This workshop provides five days of instruction and hands-on training. *This course is very workshop intensive.* Students will learn to program by example, by modifying existing programs. Upon completion of this course the programmers will be able to design, code, and test a complete menu-driven online system using COBOL, CICS, and VSAM.

Audience

- Developers
- Analysts
- Programmers

Prerequisites

- Basic COBOL knowledge
- TSO/ISPF

Course Length

- Five Days

Learning Objectives

- Create VSAM files for use with CICS programs
- Design CICS screens
- Write the BMS code for a given screen layout
- Add the requisite entries to CICS, FCT, PPT, and PCT tables
- Write COBOL CICS programs to process menus
- Write COBOL CICS programs with the following file processing capabilities: add, change, inquiry, delete, and browse
- Write COBOL CICS programs to enforce referential integrity rules

Teaching Methods

- Lectures
 - Hands-on workshops
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Course Outline

QC2

VSAM Files

- Review of IDCAMS and VSAM: DELETE, DEFINE, REPRO, and PRINT
- Add a VSAM cluster to CICS, File Control Table (FCT)
- Read a VSAM record using CICS, CECI transaction

Screen Design

- About attributes
- Sample screens: menu, add, change, inquiry, delete, browse
- Discussion of relevant Common User Access (CUA) standards
- Write the BMS code for a given screen layout
- Add a mapset to CICS, Program Processing Table (PPT)
- View a map using CICS, CEDA transaction

File Processing Programs

- About transaction codes
- Add a transaction code to CICS, Program Control Table (PCT)
- Symbolic map vs. Physical map

Write COBOL CICS programs with the following file processing capabilities:

- Look-up (inquiry)
- Add a record
- Delete a record
- Change a record
- Browse the file
- *All of the above in a cohesive, menu-driven design*

Testing

- Testing and debugging using CICS, CEDF
- Writing and executing test plans or scripts

Referential Integrity

- Programs which process more than one file
- Referential integrity issues
- When adding a record
- When changing a record
- When deleting a record