

IBM System i (AS/400) COBOL for COBOL Programmers

(CB14)

4 Days (60% Lecture, 40% Workshop)

This course is designed for those with knowledge of COBOL programming who need to understand COBOL/400 and the way it interacts with System i DDS (Data Description Specifications) to process data files and display files.

Prerequisites: Significant experience writing COBOL programs. System i (AS/400) Concepts and Facilities (AS15) or equivalent experience.

Course Outline

Introduction

Batch programming in COBOL/400
File I/O concepts
DDS Fundamentals
Working with Indicators
Externally vs. Program Described Files

Interactive Programming Concepts

Conversational vs.
Pseudo-conversational
Designing Display files
DDS for Display Files

Using the Screen Design Aid (SDA)

Creating Display Files
Defining Display Files in COBOL
Function Key Management
Single and Multi-format Displays
User-friendly Pop-up Windows
COBOL/400 Design Issues

Defining Display File Data Structures

Using Indicators
Using the I-O Feedback Area
Using File Status Codes

Error and Informational Messaging

How to Use API's for Fast, Efficient Messaging
Create and Apply User Message Files
Tailor Dynamic Messaging for Program-specific Edits

Avoiding Record Locking Problems

Using Subfiles in COBOL

Types of Subfile Displays
Subfile Program Structure
Subfile vs. Non-subfile Implementations
DDS Keyword Interaction with COBOL/400
Displaying a Subfile for Data Inquiry
Subfile Loading Techniques
Page-at-a-time vs. Full Load
PageUp and PageDown Keys
Record Selection and Positioning

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