AS/400 Control Language Programming Workshop

Course Summary

Description

This class will provide the student with a comprehensive introduction to the AS/400 Control Language, as well as writing programs using the Control Language.

Topics

- Introduction to Control Language
- Basic CL programming
- Input/output in a CL program
- Understanding AS/400 Messages
- Using AS/400 APIs in CL
- Running CL commands from RPG and COBOL
- Selective prompting on CL commands
- Using binary data in CL
- Understanding and modifying command attributes
- Creating your own commands

Audience

This course is intended for Programmers.

Prerequisites

The student should have attended an AS/400 Concepts and Facilities course or have equivalent experience.

Duration

Five days

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Course Outline

I. Introduction to Control Language
- A. What is CL?
- B. Command names
- C. Command parameters
- D. The AS/400 user interface

II. Basic CL Programming
- A. Creating CL programs
- B. Structure of a CL source member
- C. Declaring variables
- D. Manipulating variables
- E. CL control structures
- F. Expressions
- G. Controlling workflow
- H. Basic error handling

III. Input/Output in a CL Program
- A. Passing parameters
- B. Using external attributes
- C. Files and data areas

IV. Understanding AS/400 Messages
- A. Message files
- B. Message handling commands
- C. Error handling in CL
- D. Message queue break handling
- E. Programs

V. Using AS/400 APIs in CL

VI. Running CL Commands from RPG and COBOL

VII. Selective Prompting on CL Commands

VIII. Using Binary Data in CL

IX. Understanding and Modifying Command Attributes

X. Creating your own Commands
- A. Command Definition
- B. Command Processing Programs
- C. Validity Checking Programs

XI. V5R3 Changes to CL
- A. Structures Operations
- B. New Data Types
- C. Creating Command Help
- D. Multiple File Operations

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