CICS Concepts and Commands for Operations

Course Summary

Overview

This course is a class on the basic components and operational aspects of the CICS (Customer Information Control System/Transaction Server) product. The primary emphasis is on the daily operation of the CICS complex. The workshop time can be tailored by the instructor to emphasize aspects of CICS/TS that are important for a particular environment. Students will leave with a good basic knowledge of the CICS/TS components and some experience running common commands for maintaining the operability of the CICS/TS system. This course can be taught at the current release of CICS/TS or any previous release based on the client's needs.

Topics

- CICS/TS Overview
- Architecture
- System Resources
- Operator Basics
- Sysplex and CICSPlex
- Problem Determination
- Utilities

Audience

This course is designed for computer operations staff, programmers, and system programmers.

Prerequisites

The student must have fundamental computer literacy dealing with mainframe environments. Some computer operations experience is assumed.

Duration

Two days

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CICS Concepts and Operation

Course Outline

I. CICS/TS Overview
- a. What is CICS?
- b. How it works
- c. The History
- d. Where it's going

II. Architecture
- a. Transaction Server Elements
- b. Management Modules
- c. Domain Managers
- d. Security Architecture

III. System Resources
- a. Resources
- b. Resource Relationships
- c. Resource Definition Facility

IV. Operator Basics
- a. Starting and Stopping CICS
- b. Initialization Parameters
- c. Console Messages
- d. Master Terminal Transaction

V. Sysplex and CICSPlex
- a. Parallel Sysplex Overview
- b. The Coupling Facility
- c. OS/390 Components
- d. CICSPlex and Sysplex

VI. Problem Determination
- a. Traces
- b. Dumps
- c. Loops, Waits, and Storage Violations

VII. Utilities
- a. Trace Utility
- b. Dump Utility
- c. Monitoring Utility

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