

## **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

## **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