

CICS for z/OS Version 3.1

Course Summary

Description

Industry adoption and proliferation of Web Services capabilities into development platforms and tools are making it easier for companies to adopt a service-based development approach. The need for richer than HTML experiences and disconnected operations will lead most companies to adopt multiple user interfaces delivery architectures. Mainframes being excellent servers, it makes sense to have company data in a place known for its integrity and security. CICS/TS 3.1 should be the server software of choice when implementing such design; the new facilities provided by this software will make it easier for you to implement applications using HTML, XML, SOAP and WEBSERVICES.

This course is meant to be a product overview; all new facilities will be discussed along with implementation tips and so on. It is also meant to be a review of the steps that must be taken when you migrate to this new CICS that is, what are the functions that have been made obsolete, what should you be worried about, what are the changes to the various programming interfaces that will have an impact on my production applications. Finally, what can you do right now that will ease the migration of your CICS/ESA regions to this new platform.

Topics

- Internal Architecture
- Control Tables
- Interfaces
- Externals
- Programming Interfaces
- eBusiness

Audience

This course is designed for anyone involved in the migration of applications to CICS/TS. Some technical background would be preferable but is not essential.

Prerequisites

Students should have some knowledge of CICS/TS 1.3 or higher.

Duration

Two and one half days

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Course Outline

I. Internal Architecture

- A. Domains, transaction execution
- B. Storage management
- C. Withdrawn functions
- D. Prerequisites

II. Control Tables

- A. Changes to control tables will be analyzed specifically in the areas of journal and log management
- B. System initialization table
- C. Destination control tables
- D. Temporary storage table
- E. BTS process types
- F. ENQ models
- G. TCPIPSERVICE
- H. DB2 definitions
- I. DJAR
- J. CORBASERVER
- K. REQUESTMODELS
- L. URIMAP
- M. PIPELINE
- N. WEBSERVICE
- O. HTML document templates

III. Interfaces

- A. Major interfaces in CICS/TS such as DBCTL, DB2 and SMSVSAM
- B. Overview of the new recovery process

IV. Externals

- A. Changes to CICS-supplied transactions
- B. Utilities such as the Load Module scanner utility, monitoring, statistics
- C. Initialization and shutdown procedures will be reviewed in light of the new logging procedures

V. Programming Interfaces

- A. Changes to the application programming, system programming, global user exit programming interfaces will all be looked at.
- B. Introduction of CHANNEL and CONTAINER
- C. These new programming constructs are IBM's response to the problem about not being capable of transferring more than 32K worth of data between programs

VI. EBusiness

- A. Covers all facilities available within CICS to support programming of applications that have to operate on multiple platforms
- B. CICS WEB Interface
- C. SOAP
- D. Web services
- E. XML parsing
- F. CICS/TS web assistant