CICS/TS V3.1 Overview and Migration

Course Summary

Description

CICS has undergone numerous and very major changes since the appearance CICS/ESA in the early 1990's. Easier problem investigation, less maintenance and more stability were all qualities that were attributed to the CICS/ESA product. Furthermore, numerous problems which existed in CICS V2 and V1 were corrected in CICS/ESA but, from a system programmer point of view, apart from having to look at dumps that are a little different, installing and supporting the product was more or less the same work. This is changing in CICS/TS and this is changing in a big way; this product can now perform true multi-tasking. 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, etc. Finally, what can you do right now that will ease the migration of your CICS regions to this new platform.

Topics

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

Prerequisites

Students should have some knowledge of CICS/ESA 4.1 or higher.

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.

Duration

Two and a half days

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Course Outline

I. Internal Architecture
- A. Domains
- B. Transaction execution
- C. Storage management
- D. Withdrawn functions
- E. Prerequisites

II. Control Tables
- A. 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
- B. New interfaces introduced in the latest CICS offering such as CORBA and IIOP
- C. The modified CICS/WEB interface,
- D. JAVA Virtual machines and OO Interface to CICS services

IV. Externals
- A. Changes to CICS-supplied transactions
- B. Utilities such as the Load Module scanner utility, monitoring, statistics
- C. Initialization and shutdown procedures

V. Programming Interfaces
- A. Changes to the application programming
- B. System programming
- C. Global user exit programming interfaces
- D. Introduction to Enterprise Java Beans
- E. New constructs for passing more than 32K worth of data
- F. SOAP support
- G. XML Parsing in COBOL
- H. WEBSERVICES and PIPELINES
- I. CICS Business Transaction Services will be provided

VI. eBusiness Support
- A. CICS WEB Interface
- B. SOAP
- C. web services
- D. XML parsing
- E. CICS/TS web assistant

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