CICS Transaction Server for z/OS

Fundamentals

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Blended Learning Module
IBM CICS TS for z/OS
Fundamentals

1.1   Kick-off

The kick-off serves as the basis for a successful training flow. It will take place in a virtual classroom to get to know each other and to get an overview of and gain first experiences with the tool set used in our course. The trainer will also provide an overview of the course contents and the schedule of the live-sessions will be agreed between the trainer and the participants.

Content

Introduction
Introducing participants
Introduction to the topic

Learning Efficiency
Learning and neurobiology research
Efficient learning

E-Learning & Blended Learning
Significance of e-learning
Advantages of Blended Learning
Integration of digital learning

Moodle Learning Platform
Learning platform overview
Structure of learning platform

Virtual Classroom
VC-Session objectives
How VC differs from traditional classrooms
Using the virtual classroom

Access to the Mainframe
EMA infrastructure
Accessing the IBM Computer

Course Planning
Events and dates
Concerted action
Q & A

1.1   IBM CICS Transaction Server for z/OS - Fundamentals

Objectives

- Participants will we able to describe the purpose and capabilities of an application server in general, and the special ones offered by CICS TS.
- This includes the understanding of transaction processing and the unit of work concept with the main functional components that support these features.
- Participants can describe the special CICS capability of mixed-language application support and what kind of applications, both traditional and modern, can be hosted and run by CICS TS.
- They can basically describe the configuration and administration facilities that come with CICS TS, and how these are used to configure and manage application resources.
- They can also name the most prominent CICS-supplied transactions and their purpose.
- They can basically describe CICS intercommunication features and the functions that allow to run applications on multiple CICS regions, as well as CICS TS security, monitoring and problem determination concepts.

Content

CICS TS Basics
What is CICS and who is using it
How do CICS applications look like ?
CICS TS as a mixed-language Application Server

The unique CICS TS application support
Application architecture samples
The CICS command API
CICS and Java basics
Integration options

Application configuration support concepts and facilities
Resource definition concepts
Online and batch
Deploying (installing) applications

Runtime administration concepts and facilities
CEMT master terminal transaction
Other CICS-supplied transactions
CICS Explorer introduction

Data access and Queueing facilities
VSAM data
Access to DB2, MQ and DLI data
Temporary storage
Transient data

CICS TS Intercommunication
Intercommunication services
Intercommunication functions

CICS TS Recovery and Restart
CICS TS concepts for recovery and restart
Various (re)start types

CICS TS Security overview
Securing access to applications and commands
Securing application resources