IMS Teleprocessing Techniques

Course Summary

Description

Students will discuss teleprocessing concepts, Message Format Services, IMC control regions and major components, I/O PCB, and the difference between on-line and batch message processing. Status codes for IMS programs and the retrieval and sending of messages via the I/O PCB will also be reviewed.

Topics

- IMS system definition
- Control, message and batch message region environment
- Usage and definition of the I/O PCB
- Options and usage of the alternative PCB
- Service calls for CHECKPOINT and RESTART
- Introduction to Message Format Services (MFS)

Audience

Programmers and programmer/analysts who have a need to develop on-line IMS programs

Prerequisites

Experience with IMS DB/TM, COBOL or PL/1 and TSO/ISPF

Duration

Two days

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Course Outline

I.   Batch vs. Online
- A.   Batch processing
- B.   Online processing
- C.   Introduction to IMS/VS DB/DC
- D.   MFS format example
- E.   Program example

II.   Message Format Service
- A.   Introduction to MFS
- B.   MFS language utility
- C.   Device format statements
- D.   Message definition statements
- E.   Compilation statements

III.   Message Process Program
- A.   Introduction
- B.   ID and environment division
- C.   Data division
- D.   Procedure division

IV.   Batch Message Process Program

V.   Batch Terminal Simulator II
- A.   BTS II introduction
- B.   BTS II CLIST
- C.   BTS simulator statements
- D.   BTS function keys
- E.   How to test with BTS II

VI.   IMS DC Labs
- A.   IMS TM labs
- B.   Procedures
- C.   Database description
- D.   Additional student notes
- E.   System design
- F.   Add program
- G.   Menu program
- H.   Update/delete program
- I.   Useful copy book members