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

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