



IMS Transaction Monitor with Message Format Services (MFS)

Length: 5 Days

Course Description: The course is a series of lectures, discussions, written exercises, and programming exercises dealing with the concepts, capabilities, and coding for IMS Transaction Monitor programs.

Students will design terminal screens and code Message Format Services (MFS) macros to implement those screen designs. The students will modify a skeleton COBOL program to receive an input message (from an on-line terminal), process that message, and send a message (to an on-line terminal), change screen attributes, send a message to another program, and use PFF keys. The Batch Terminal Simulator (BTS) is used for Program testing.

Audience: This course is for students who must understand and code programs that run in the IMS Transaction Monitor environment.

Prerequisite: IMS Database programming experience is NOT required. Six months experience with COBOL, TSO/PDF and JCL is required.

Topics:

Day 1

- IMS Data Communications - Overview
- Message Format Services - 1
- Workshop 1 - Code DIF/DOF
- Message Format Services – 2
- Workshop 2 - Code MID/MOD

Day 2

- IMS Application Programming
- Workshop 3 - Code Sign-on Program
- Batch Terminal Simulator (BTS)
- Workshop 4 - Test Sign-on Program
- Workshop 5 - Code and Test Menu Program

Day 3

- Additional IMS/DC Features
- PF Keys
- Workshop 6 - Add PF keys

Day 4

- Additional IMS/DC Features (Continued)
- Dynamic Attribute Modification
- Workshop 7 - Add Changing Attribute Bytes
- Operator Logical Paging

Day 5

- Additional IMS/DC Features (Continued)
- Workshop 8 - Add Operator Logical Paging
- Batch Message Program (GSAM, CHKP/XRST)
- Processing Modes
- Express Output Messages
- UN-Doing Processing - the ROLL back (ROLL, ROLB)
- Conversational Processing



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- Workshop 9 - Code and Test "Batch Message" program
- Batch Message Program (BMP)
- Change a "batch" program to a BMP
- Checkpoints - CHKP vs XRST
- Sample Program Review
- GSAM DataBases

Appendices

- A - Workshop Exercise
- B - Bibliography
- C - The "Big Picture" of IMS/DC