IMS Database Performance and Tuning

Duration: 5 Days **Course Code: CM30G**

Overview:

Learn how to tune Information Management System (IMS) databases for use in IMS/Batch, IMS/Data Communications (DC), CICS-Local-Data Language One (DL/I), and Data Base Control (DBCTL) environments. Explore the IMS database features that affect performance such as data set considerations and buffers for VSAM and OSAM. You will also practice a method for estimating performance before implementation. Plus, you will reinforce the skills you have learned with seven machine labs.
IACET Continuing Education Units: 4.0

Target Audience:

This intermediate course is for ndividuals interested in the performance of the IMS Database System.

Objectives:

- Analyze performance data about the IMS database environment
- Choose IMS access methods that provide the best database performance
- Improve performance by selecting database buffer pools and buffer pool options and with the correct data set access method and storage attributes
- Implement the optimum performance options for VSAM data sets at define and execute time
- Evaluate the need for secondary indexes and select implementation options to improve their performance
- Choose physical database implementation options to improve performance
- Select HDAM randomizing parameters that can improve the key randomization process

Prerequisites:

You should complete:

- IMS Physical Organization of Databases Workshop (U3722) or have four to six months experience with the IMS database system.

For additional prerequisites visit our Web site and search on U3720.

Content:

- Introduction to IMS database tuning
- Introduction to the lab project
- Review of the IMS access methods
- Measuring IMS database performance Lab 1: The base case Lab 2: Using IMS Reports
- Tuning VSAM buffers Lab 3: Tuning VSAM buffers
- Tuning VSAM data sets Lab 4: Tuning VSAM data sets Additional performance issues Tuning secondary indexes Lab 5: Tuning secondary indexes Tuning HDAM Lab 6: Tuning HDAM Tuning OSAM data sets and buffers Lab 7: OSAM data

Further Information:

For More information, or to book your course, please call us on 030 - 60 89 444

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