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.

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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 Head Office 01189 123456 / Northern Office 0113 242 5931

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