



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 individuals 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 00 20 (0) 2 2269 1982 or 16142

training@globalknowledge.com.eg

www.globalknowledge.com/en-eg/

Global Knowledge, 16 Moustafa Refaat St. Block 1137, Sheraton Buildings, Heliopolis, Cairo