

## IMS Database Performance and Tuning

Duration: 5 Days    Course Code: CM30G    Delivery Method: Maatwerk

### 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

### Maatwerk

Global Knowledge biedt zowel standaard- als maatwerk cursussen die zijn afgestemd op uw wensen en die als besloten cursus op uw eigen locatie of onze locatie gevolgd kunnen worden.

### 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.

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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
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## Further Information:

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

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