Course : IMS Database Performance and Tuning (CMW30G)

Official IBM course

Practical course - 5d - 35h00 - Ref. CM0
Price : 4450 € E.T.

With this course, you'll learn how to optimize IMS databases by mastering the features that influence performance. You'll explore dataset considerations, buffers for VSAM and OSAM, and apply a pre-deployment performance estimation method. Through hands-on practice, you will strengthen your skills in optimization and advanced management of IMS databases.

Teaching objectives

At the end of the training, the participant will be able to:

- Analyze performance data on the IMS database environment
- Choose the IMS access methods that offer the best database performance
- Improve performance by selecting database buffer pools
- Improve performance by selecting buffer pool options
- Improve performance with the right data set access method and storage attributes
- Implement optimal performance options for VSAM datasets
- Assess the need for secondary indexes and select implementation options to improve their performance
- Choose physical database implementation options to improve performance
- Select HDAM randomization parameters to improve the key randomization process

Intended audience

IMS system programmers, database administrators (DBAs) and technical support staff responsible for IMS database performance.

Prerequisites

Avoir suivi les cours IBM CM220 ou CMW22. Posséder une expérience de six à douze mois avec le système de base de données IMS.

Certification

Official course without certification.
Comment passer votre examen ?

Practical details

Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

Course schedule

(1) **Official program**

- Introduction au réglage de la base de données IMS.
- Introduction to the laboratory project.
- Review of IMS access methods.
- IMS database performance measurement.
- Setting VSAM buffers.
- Setting VSAM data sets.
- Additional performance problems.
- Setting secondary indexes.
- HDAM setting.
- Setting OSAM data sets and buffers.
- Other setting considerations.
- Summary of database settings.

Dates and locations

REMOTE CLASS
2026 : 15 June, 7 Dec.

PARIS LA DÉFENSE
2026 : 15 June, 7 Dec.