

# 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.

### **PARTICIPANTS**

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.

### **TRAINER QUALIFICATIONS**

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## 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.

### ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 15 June, 7 Dec.

### PARIS LA DÉFENSE

2026 : 15 June, 7 Dec.