



IMS Fundamentals

IMS001

Duration: 3 days
Type: Classroom
Skill Level: Beginners
Handouts: English
Audience: Everybody who needs a basic understanding of the IMS database and the IMS Transaction Manager or who will be working with an IMS System

Prerequisites

Ability to describe the fundamentals of data processing, including the function of operating systems, access methods and job control language. These skills can be obtained from on-the-job experience.

Description

This course is designed to provide an introduction to IMS databases

Objectives

Learn about the basic IMS facilities--the IMS Database System and the IMS Transaction Manager. You will explore how these facilities work together and how application programs interact with them in today's complex Enterprise Systems

What You Are Taught:

After completing this course, you should be able to Identify the elements and organization of an IMS database system.

- Describe how a database record is processed in hierarchic sequence. Differences between DBD and PSB control blocks. Comparisons and effects of sequential vs. direct access of database segments. Secondary indexes and logical relationships. Contrast full-function and Fast Path database organizations.
- Basic IMS functions of the IMS Transaction Manager (IMS/TM) environment.
- Identify the roles of messages, queues, and logical terminal names. Explain the different scheduling characteristics of the IMS/TM regions types: Message Processing, Batch Message Processing, and Interactive Fast Path
- Role of commit points in recovery and restart. The functions of dynamic and batch backout, the system log, and the benefits of periodically backing up a database
- Describe the function of DBRC, IRLM, distributed processing, and DBCTL for CICS

Content

1. IMS Environment
2. Data Base Management System
3. Transaction Management Logic (Basic)
4. Transaction Management (System Functions)
5. Transaction Management (Access Logics)
6. Principle of Data Sharing
7. IMS SysPlex
8. IMS Fast Path

Remarks

The class can be taught in several languages. Please check www.ims-society.org for details or send an E-mail to education@ims-society.org for available classes in different languages.

IMS-Society

International Mainframe Software Society
Eltingerstr. 5
71229 Leonberg
Germany

Phone: +49 (0) 7152 35 95 36
Fax: +49 (0) 711 490 - 76 48 78
E-Mail: mail@ims-society.org

www.ims-society.org