
IMS Logical Relationships

Duration: 4 Days **Course Code: CM241G**

Overview:

Learn how to successfully implement and tune Information Management System (IMS) databases with IMS logical relationships. Examine in detail the various pointer options. Practice these skills in intensive machine-lab exercises.

Target Audience:

People responsible for designing, implementing, maintaining, or tuning IMS databases using logical relationships.

Objectives:

- Code the DBDs and PSBs for databases involved in logical relationships, including those using recursive data structures
 - Use IMS utilities to load and reorganize logically related databases
 - Choose logical relationship update rules based upon application processing requirements
 - Identify DBD coding parameters that are critical to the performance of logically related databases
 - Interpret the results of logical relationship implementation choices using the reports provided by the IMS Monitor
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Prerequisites:

You should have at least four months of experience using IMS and should be able to:

- Use TSO/ISPF or PDF
- Demonstrate basic knowledge of:
 - OS/VS Job Control Language
 - VSAM access methods service utilities
 - DL/I application programming techniques
- Describe the characteristics **and** storage format of HISAM, HIDAM **and** HDAM databases **and** code their DBDs
- Understand the IMS DB Monitor **and** use its reports to resolve database performance concerns

These skills can be developed by attending:

- IMS Physical Organization of Databases Workshop (CM22)
 - IMS Database Performance and Tuning Workshop (CM30)
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Content:

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| ■ Introduction to Logical Relationships | ■ Bidirectional Logical Data Structures | ■ Logical Relationship Performance |
| ■ Unidirectional Logical Relationships | ■ Database Load and Reorganization | ■ Logical Relationship Tuning |
| ■ Unidirectional Logical Data Structures | ■ Recursive Structures | ■ Design and Change Considerations |
| ■ Bidirectional Logical Relationships | ■ ISRT Rules and Exercise | |
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Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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