Training: IBM
IMS Logical Relationships

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<th>FORM OF TRAINING</th>
<th>MATERIALS</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Traditional</td>
<td>Digital materials</td>
<td>2348 EUR</td>
<td>4 days</td>
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<td>Traditional</td>
<td>CTAB Tablet</td>
<td>2448 EUR</td>
<td>4 days</td>
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</tbody>
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LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

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.

- 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

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

CONSPECT:

- Introduction to Logical Relationships
- Unidirectional Logical Relationships
- Unidirectional Logical Data Structures
- Bidirectional Logical Relationships
- Bidirectional Logical Data Structures
- Database Load and Reorganization
○ Recursive Structures
○ ISRT Rules and Exercise
○ Logical Relationship Performance
○ Logical Relationship Tuning
○ Design and Change Considerations

REQUIREMENTS:

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)

Difficulty level