

Conceptual Data Modeling

DURATION
2 DAYS

REGULAR FEE
955 \$

PREFERENTIAL
FEE
860 \$

Objectives

To provide the knowledge and skills required to identify the types of models, to understand the principal approaches, to construct schemas, and to evaluate the strengths, weaknesses and possible improvements of a data model.

Targeted audience

Developers (other than supervisors), Web specialists, network specialists (other than security specialists) as well as those who work in purchasing and marketing...

Prerequisite

Experience developing systems.

Content

- Introduction to databases and architecture
- Data models: conceptual, logical and physical
- Techniques, objectives, benefits and limitations of modeling
- The conceptual model: entities, properties, identifiers, relationships, cardinalities, rules and designing procedures
- Normalization (1FN, 2FN, 3FN)
- Rules for constructing schemas
- Design procedures and strategies
- Tips and tricks: generalization, customization, grouping
- The logical model: tables, columns, join tables, primary keys, foreign keys, integrity constraints
- Rules for constructing a relational schema
- Transforming entities
- The physical model: internal organization of data and access methods
- The cardinality of relationships (1:1, 1:n, m:n), and attributes of associations
- Current trends

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Select the training date*

Montreal	May 11 to May 12 2020
Quebec City	May 13 to May 14 2020
Montreal	October 28 to October 29 2020
Quebec City	December 7 to December 8 2020