

## Collaborative Data Modeling Using IDERA ER/Studio and Repository (formerly Embarcadero ER/Studio)

### Course Summary

#### Description

This course is taught in a workshop format, supported by slide presentation and visual tool illustrations. There are daily review sessions, lectures and workshops, supported by a complete case study, augmented by periodic exercises and quizzes.

#### Topics

- Enterprise Modeling Features
- Advanced Logical Modeling
- Advanced Physical Modeling
- Model Audit and Validation
- Data Warehouse Modeling
- Introduction to Repository Based Modeling

#### Audience

This course is designed for data modelers, data architects, business analysts, application builders, DBA's, and end users who will be participating in data modeling and database design of OLTP and Data Warehouse applications.

#### Prerequisites

Students must have at least 6 months experience using ER/Studio. Sound understanding of Data modeling concepts and Relational Database Design is assumed.

#### Duration

Two days

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### Course Outline

- I. Enterprise Modeling Features**
  - A. Model layers defined
  - B. Splitting, deriving, and combining models
- II. Advanced Logical Modeling**
  - A. Establishing model naming standards
  - B. Implementing model object naming options
  - C. Using Domains to build model standards
- III. Advanced Physical Modeling**
  - A. Using model transforms
  - B. Complete Compare features
  - C. User Defined Data types and custom scripts
  - D. Support for non-relational sources
- IV. Model Audit and Validation**
  - A. Ensuring syntactical completeness
  - B. Ensuring conceptual completeness
  - C. Practical approach to model auditing
  - D. Validating model objects
- V. Dimensional and Data Warehouse Modeling**
  - A. Data Warehouse modeling concepts
  - B. Building Dimensional models Establishing and implementing metadata standards
  - C. Creating XML models
  - D. Designing ETL processes
- VI. Introduction to Repository and Server Based Modeling**
  - A. Enterprise modeling architecture and maintenance
  - B. Understand Repository capabilities
  - C. Understand referential integrity