

MicroStrategy Advanced Data Warehousing

Overview:

This 2-day course covers advanced issues in data warehousing design and explains how to work with these complexities when implementing a MicroStrategy project. Students will learn how to model complex hierarchies and attribute relationships, implement role attributes and slowly changing dimensions, design the schema for optimal performance, use logical views to solve data modeling and schema design issues, and optimize query performance using both database and MicroStrategy functionality. Students will get hands-on practice during the course through exercises.

MicroStrategy Products Covered:

- MicroStrategy Architect

Number of Days:

- 2 days

Who Should Attend?

- Project designers
- Database administrators
- Anyone who has an interest in learning how to resolve complex data warehouse modeling and design issues to best support a MicroStrategy reporting environment

Prerequisites:

- Basic knowledge of SQL
- MicroStrategy Developer: Reporting Essentials
- MicroStrategy Architect: Project Design Essentials
- MicroStrategy Architect: Advanced Project Design

Topics:

Day One

- Introduction to Advanced Data Warehousing
 - Data Warehouse Design and Reporting
 - Overview of Advanced Data Warehousing
- Advanced Schema Design
 - Snowflake and Star Schemas
 - Recommended Schema Design
- Logical Views
 - Logical Views in MicroStrategy Architect
 - Creating Logical Views
 - Using Logical Views To Resolve Data Warehousing Issues
- Many-to-Many Relationships
- Attribute Roles

Day Two

- Hierarchies
 - Ragged Hierarchies
 - Split Hierarchies
 - Recursive Hierarchies
 - Flattening a Recursive Hierarchy
 - Handling Complexities in Recursive Hierarchies
- Slowly Changing Dimensions (SCDs)
 - Creating a Life Stamp
 - Using a Hidden Attribute