MicroStrategy Training: Advanced Data Warehousing

Course Summary

Description

This course covers advanced issues in data warehousing design and explains how to work with these complexities when implementing a MicroStrategy project.

Students learn how to model complex attribute relationships and hierarchies, implement role attributes and slowly changing dimensions, design the schema for optimal performance, use logical views to resolve data modeling and schema design issues, and optimize query performance using both database and MicroStrategy functionality.

Students get hands-on practice during the course through exercises.

Topics

Introduction to advanced data warehousing
:: Advanced schema design
:: Logical views
:: Many-to-many relationships
:: Attribute roles
:: Hierarchies

Audience

This course is for those wanting to learn advanced issues in data warehousing design and explains how to work with these complexities when implementing a MicroStrategy project.

Prerequisites

There are no prerequisites for this course.

Duration

Two days
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Course Outline

I. Introduction to advanced data warehousing
   A. Data warehouse design and reporting
   B. Overview of advanced data warehousing

II. Advanced schema design
   A. Snowflake and star schemas
   B. Recommended schema design

III. Logical views
   A. Logical views in MicroStrategy Architect
   B. Creating logical views
   C. Using logical views to resolve data warehousing issues

IV. Many-to-many relationships

V. Attribute roles

VI. Hierarchies
   A. Ragged hierarchies
   B. Split hierarchies
   C. Recursive hierarchies
   D. Slowly changing dimensions