

MicroStrategy Engine Tuning and VLDB Properties

Second Course in the following:

- Engine Specialist Track

Third Course in the following:

- Engine Tuning Track
- Certified Engine Specialist Program

Overview:

This one-day course explores techniques for tuning and optimizing the MicroStrategy Engine, primarily through the use of VLDB (Very Large Database) properties. Students will learn what VLDB properties are and how they can be defined at different levels of a MicroStrategy project. The majority of the course is focused on studying the most commonly used VLDB properties within the following categories: Indexing, Joins, Metrics, Pre/Post Statements, Query Optimizations, Select/Insert Statements, and Tables. Students will get hands-on practice throughout the course through exercises.

Cost:

- US\$650 per person, or 1 LU

Number of Days:

- 1 day

Who Should Attend:

- Project Designers
- Report Developers
- Anyone who has an interest in learning how to use VLDB properties to tune the MicroStrategy Engine for optimal performance against the data warehouse

Prerequisites:

- SQL Essentials course (or equivalent knowledge)
- MicroStrategy Engine Essentials 2-day course

Topics:

- Introduction
 - VLDB Properties Defined
 - Facts vs. Myths
 - VLDB Property Groupings
 - VLDB Hierarchy
- Analytical Engine VLDB Properties
- Governing VLDB Properties
- Indexing VLDB Properties
 - Intermediate Table Index
 - Max Columns in Index
- Joins VLDB Properties
 - Cartesian Join Warning
 - Max Table in Join
 - DSS Star Join
 - Join Type
 - Preserve All Lookup Table Elements
 - Preserve All Final Pass Result Elements
- Metrics VLDB Properties
 - Count Compound Attribute
 - Default to Metric Name
 - Integer Constant in Metric
 - Metric Join Type
 - Zero Check and Null Check
- Pre/Post Statements and Wildcards
- Query Optimizations VLDB Properties
 - WHERE clause driving table
 - Rank Method
 - SQL Global Optimization
 - Sub Query Type
 - Set Operator Optimization
- Select/Insert Statements
 - GROUP BY Non-ID Attribute
- Tables VLDB Properties
 - Intermediate Table Type
 - Table Creation Type
 - Table Qualifier
 - Attribute ID Constraint
 - Commit Level
 - Drop Temp Table Method