

## MicroStrategy Freeform SQL Essentials

### Overview:

This 1-day course is designed to teach participants about the capabilities and benefits of Freeform SQL reports created in MicroStrategy Desktop. Students will learn how to configure a Freeform SQL database instance, create Freeform SQL reports within the Freeform SQL Editor, use prompts in Freeform SQL reports, compose advanced queries, access data from non-relational data sources, and implement security features within Freeform SQL reports. Hands-on exercises enable students to create Freeform SQL reports against various data sources to reinforce the concepts covered in the course.

### MicroStrategy Products Covered:

- MicroStrategy Desktop

### Number of Days:

- 1 day

### Who Should Attend:

- Report developers
- Advanced business analysts
- Anyone who has an interest in learning how to create reports with user-defined SQL queries

### Prerequisites:

- SQL Essentials or equivalent SQL knowledge
- MicroStrategy Desktop: Reporting Essentials
- MicroStrategy Architect: Project Design Essentials

### Topics:

- Introduction to Freeform SQL Reporting
  - What is Freeform SQL?
  - What Are the Benefits of Using Freeform SQL?
  - Comparison of Freeform SQL and Standard Reports
- Creating Freeform SQL Reports
  - Overview of Freeform SQL Report Creation
  - Configuring a Freeform SQL Database Instance
  - The Freeform SQL Editor
  - Creating a Freeform SQL Report
  - Managed Objects
  - Filters and Freeform SQL Reports
  - Drilling on Freeform SQL Reports
- Prompts in Freeform SQL Reports
  - Using Prompts in Freeform SQL Reports
  - Creating a Freeform SQL Report with Prompts
- Advanced Topics for Freeform SQL Reports
  - Using Derived and Common Table Expressions
  - Using Stored Procedures
  - Accessing Non-relational Data Sources
- Security for Freeform SQL Reports
  - Configuring Access to Freeform SQL Objects
  - Using Security Filters in Freeform SQL Reports