

## 10.411 Project Architecting

### Course description

Create and maintain the foundation of an enterprise analytics application by developing a physical schema and logical model from single, multiple, or heterogeneous data sources. Develop core objects of the reporting infrastructure such as attributes, facts, hierarchies, and mappings to data warehouse tables. Leverage advanced options to build the infrastructure for efficiency and performance.

### Skills you gain

- Logical data modeling
- Data warehouse schema development
- Project life cycle management
- Schema management
- Aggregate table development
- Multisource report development
- Partitioning
- Business intelligence project design

### MicroStrategy products covered

- MicroStrategy Architect

### Right for you if

You are a project designer or advanced analyst who wants to learn the process of creating a project foundation

### Best class experience if you have

10.111 Overview of Enterprise Analytics

### Topics

1. Architecting the MicroStrategy schema
  - MicroStrategy project life cycle
  - Creating a logical data model
  - Data warehouse physical schema design
  - Creating a MicroStrategy schema
2. Managing the MicroStrategy schema
  - Modifying facts
  - Aggregate tables
3. MicroStrategy Multisource Option
  - Primary and secondary database instances
  - Support for duplicate tables
  - SQL generation for multisource reports
  - Supported use cases
4. Advanced design features
  - Fact level extension
  - Partitioning
  - Data importing
  - Logical view creation
  - Attribute role configuration