

MicroStrategy Education™

10.612 Advanced Big Data

Course description

Learn how MicroStrategy masters the challenges of Big Data for organizations. Understand methods to maximize value and speed while ensuring veracity of data. Provides hands-on experience connecting to and configuring sample big data sources, understanding real-time processing, specific Big Data security challenges, and learn how to fine-tune performance.

Skills you gain

- Data retrieval from NoSQL sources
- Security in a big data environment
- Tuning Cloudera Impala
- Configuring and reporting on Apache Solr data
- Real-time analytics

MicroStrategy products covered

- MicroStrategy Developer

Right for you if

You are an administrator, project designer, data quality expert, or security specialist who wants to access big data sources, optimize their performance, and ensure adherence to security requirements

Best class experience if you have

10.313 Introduction to Big Data

Topics

1. Overview of big data
 - Attributes of big data
 - Hadoop overview
2. Working with NoSQL sources
 - NoSQL and NoSQL sources
 - MicroStrategy-NoSQL database connectivity options
 - Real-time analytics
 - Streaming
3. Real-time processing architecture
 - Framework and industry adoption
 - Using MicroStrategy with Storm and Spark Streaming
4. Security in a big data environment
 - Security in Hadoop
 - Other security options
 - MicroStrategy's security model
5. Performance optimization for big data access
 - Emerging technologies for addressing big data challenges
 - Generalized big data analytics workflow
 - Best practices for performance optimizations