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Software Solutions

MicroStrategy
Course Catalog

| BI Consulting & Implementation | Corporate Training | Instructional Design | Application Development |

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MicroStrategy®

About Us

O ur trainers have a vast experience of over 11 years in training various platforms and have a strong skillset in Business Intelligence tools. From conducting trainings for college fresher's, to customized on-site classes across the globe, they have mastered the art of teaching to all experience levels. Our standard curriculum can be covered in a flexible manner to ensure participants can learn at their own pace. And with such varied experience and implementations, our trainers can pepper the training with use cases from actual project scenarios. We believe that any tool adoption is best learnt through practical approach and hence our classes include hands-on learning sessions that cover wide range of scenarios.

Our Global Coverage

Canada
• Toronto
• Vancouver

USA
• San Francisco
• Las Vegas
• Los Angeles
• Dallas
• Chicago
• Miami
• Charlotte
• Washington DC
• New York
• Boston
• Buffalo
• Philadelphia

Europe
• London
• Paris
• Rome
• Barcelona
• Geneva
• Frankfurt

U.A.E.
• Dubai

Saudi Arabia
• Riyadh

India
• Gurgaon
• Mumbai
• Kolkata
• Pune
• Hyderabad
• Chennai
• Bangalore

Malaysia
• Kuala Lumpur
• Penang

Hong Kong
• Macau

Taiwan
• Taichung

Philippines
• Manila

Brunei
• Brunei Darussalem

South Africa
• Johannesburg

Singapore
• Singapore

Australia
• Sydney
• Brisbane

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Analytics Reporting - (5 days)

Course description

This fully customizable 5 day course covers the fundamentals and advanced topics in Reporting. Learn how to create metrics, attributes, filters, and prompts to design business queries that display the report results that users need. Analyze your data by applying thresholds, drilling, and filters. Develop advanced report objects (level metrics, advanced filters, derived attributes, custom groups, and consolidations) to create complex analytical reports. This course is thoroughly based on the hands-on model where the instructor will cover all the topics with the attendees while covering important theoretical concepts. The exercises provided will help the attendees reinforce the concepts covered.

Skills you gain

1. Creating simple reporting objects
2. Creating objects on the fly (derived objects)
3. Creating level metrics to compare contributions
4. Creating non-aggregatable metrics
5. Creating transformation metrics to offset values
6. Using advanced mathematical functions in metric calculations
7. Combining elements from different attributes to filter data
8. Using dynamic dates to filter data
9. Using pass-through functions to filter data
10. Creating attributes and metrics on the fly
11. Optimizing performance with Intelligent Cubes
12. Determining the order of calculation
13. Sharing reports using export, print, or by subscribing to report deliveries

Products covered

MicroStrategy Developer

Topics covered

1. Introduction to MicroStrategy BI Architecture.
2. Introduction to advanced analytics
3. Limit data to specific values: Filters
4. Report Data Manipulation
5. Report Style Manipulation
6. Calculating business data: Metrics
7. Dynamically modify the contents of a report: Prompts
8. Base formulas and advanced subtotals
9. Advanced metrics
   - Conditional metrics
   - Transformation metrics
   - Count metrics
   - Dynamic aggregation
10. Level and inventory metrics
    - Level metrics
    - Non-aggregatable metrics
    - Nested metrics
11. Advanced filters
    - Attribute-to-attribute filtering
    - Filtering with dynamic dates
    - Joint element list
    - Importing filter elements
    - Pass-through functions
    - Set qualifications
    - Relationship filters
12. Advanced attributes
    - Derived attributes and elements
    - Consolidations and custom groups
13. Intelligent Cubes
14. Advanced reporting options
    - Report data options
    - Drill maps
15. ***Advanced Use Cases***
16. ***Hands-On Project***

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Dashboarding, Visualizations and Mobile - (5 days)

Course description

This fully customizable 5 day course covers the fundamentals and advanced topics in Dashboarding and mobile. Create interactive dossiers that display your data in visualizations to quickly and easily analyze trends and key performance indicators. Learn how to create documents to combine data from multiple sources in a pixel perfect format. Allow end users to interact with documents using selectors, panels, and widgets. Learn how to build a basic mobile application. This course is thoroughly based on the hands-on model where the instructor will cover all the topics with the attendees while covering important theoretical concepts. The exercises provided will help the attendees reinforce the concepts covered.

Skills you gain

1. Business intelligence design best practices
2. Sharing dossiers with colleagues
3. Optimizing your business intelligence library of dossiers
4. Collaboration methods through comments
5. and custom filters
6. Creating a document with pixel-perfect formatting
7. Adding interactivity to documents
8. Combining data from multiple sources in a single document and specifying data joins
9. Layering data and multiple documents
10. Linking documents to other documents, reports, and web pages
11. Design principles for mobile apps
12. Creating mobile configurations
13. Creating and deploying a mobile app to a mobile device
14. Storyboarding
15. Mobile architecture basics

Products covered

1. MicroStrategy Web
2. MicroStrategy Workstation
3. MicroStrategy Library
4. MicroStrategy Mobile
5. MicroStrategy Report Services

Topics covered

1. Creative and collaborative data discovery: dossiers.
2. Visualize your data: Build a dossier
   - Dossier data sources
   - Create a Table of Contents
   - Add visualizations, formatting, and filters
3. Sharing enterprise insights: Library
   - Introduction to MicroStrategy Library
   - Library collaboration and communication
4. Overview of documents
5. Adding data to documents: Datasets
6. Displaying data and text on documents
   - Static text, Dynamic text, Auto text
   - Organizing and designing your document : Document sections
   - Displaying images
7. Displaying reports on documents
8. Grouping documents: Creating custom sections
9. Creating layers of documents: Multi-layer documents
10. Opening documents, reports, and web pages from a document: Linking
11. Plan and design a MicroStrategy Mobile app
12. **Hands-On Project**

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Project Architecting - (5 days)

Course description

This fully customizable 5 day course covers the fundamentals and advanced topics in Project Architecting and Data warehousing. Learn to develop core objects of the reporting infrastructure such as attributes, facts, hierarchies, and mappings to data warehouse tables. Understand how to model complex hierarchies and attribute relationships, implement role attributes and slowly changing dimensions, use logical views to solve data modeling and schema design issues, and optimize query performance using both the database and MicroStrategy functionality. This course is thoroughly based on the hands-on model where the instructor will cover all the topics with the attendees while covering important theoretical concepts. The exercises provided will help the attendees reinforce the concepts covered.

Skills you gain

1. Logical data modeling
2. Data warehouse schema development
3. Project life cycle management
4. Schema management
5. Aggregate table development
6. Multisource report development
7. Partitioning
8. Modeling complex hierarchies
9. Implementing role attributes and slow- changing dimensions
10. Designing schemas for optimal performance
11. Creating logical views

Products covered

1. MicroStrategy Developer
2. MicroStrategy Architect

Topics covered

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
4. Advanced design features
   - Fact level extension
   - Partitioning
   - Data importing
   - Logical view creation
   - Attribute role configuration
5. Introduction to Advanced Data Warehousing
6. Logical views
7. Many-to-Many relationships
8. Attribute roles
9. Hierarchies
   - Ragged hierarchies
   - Split hierarchies
   - Recursive hierarchies
10. Slowly Changing Dimensions (SCDs)
11. **Advanced Use Cases**
12. **Hands-On Project**

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Advanced Analytics - (5 days)

Course description

This fully customizable 5 day course covers the fundamentals of MicroStrategy Engine and Write back functionalities. Understand how the MicroStrategy Engine develops Structured Query Language (SQL) to gather data in a variety of reporting scenarios. Learn methods for tuning and optimizing report performance using Very Large Database (VLDB) properties. Create mobile applications with write-back enabled functionality (transactions) for extended business value. This course is thoroughly based on the hands-on model where the instructor will cover all the topics with the attendees while covering important theoretical concepts. The exercises provided will help the attendees reinforce the concepts covered.

Skills you gain

1. SQL analysis
2. SQL optimization techniques
3. Creating complex queries with SQL, using
4. subqueries and intermediate tables
5. Understanding SQL behavior based on
6. different objects on a report
7. Managing the report execution process in a BI environment
8. Creating freeform SQL queries
9. Creating transaction reports
10. Creating data tables in a data warehouse that can have data written back to them
11. Configuring database write-back transactions

Products covered

1. MicroStrategy Developer
2. MicroStrategy Transaction Services
3. MicroStrategy Mobile
4. MicroStrategy Web
5. MicroStrategy Report Services

Topics covered

1. Introduction to MicroStrategy engine
   - SQL generation process
2. Basic optimizations
   - Multi-SELECT statements
   - Composing optimized SQL
   - Attribute definitions and their impact on joins
   - Intermediate tables
3. Templates
   - Attributes and Hierarchies
   - Consolidations and Custom groups
4. Metrics
   - Non-aggregatable metrics
   - Conditional metrics
   - Transformation metrics
5. Filters
   - Attribute qualifications
   - Set qualifications
   - Metric qualifications
6. Analytical Engine
   - Role of the Analytical Engine
   - Processing a report limit
   - Subtotals
   - Compound metrics
   - Analytical functions
7. Introduction to VLDB properties
8. Introduction to MicroStrategy Transaction Services
9. Create query reports using Freeform SQL
10. Transaction Services reports and documents

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Administration - (5 days)

Course description

This fully customizable 5 day course covers the fundamentals and advanced topics in Administration. Optimize and automate common administrator tasks, and monitor the MicroStrategy environment using various administration tools and features. This course is thoroughly based on the hands-on model where the instructor will cover all the topics with the attendees while covering important theoretical concepts. The exercises provided will help the attendees reinforce the concepts covered.

Skills you gain

1. System tuning based on business requirements
2. Project lifecycle management and cross-environment object
3. migration planning
4. Automated script development
5. Security planning based on corporate security requirements
6. Implementing user credential and authentication rules
7. Versioning and object change auditing

Topics covered

1. MicroStrategy Analytics Platform overview
2. Configuring the analytics environment
   - Managing system resources
   - Monitoring and governing projects
3. Optimizing system performance
   - Caching and Intelligent Cubes
   - Scheduling and subscriptions
4. Managing user authentication
   - Configuring Identity authentication
   - Account security policy
5. Managing user security and access
   - Groups, users, and security roles
   - Managing access to data and objects
   - Connection mapping
   - Security filters and Access Control Lists
6. Managing the project life cycle
   - Migrating objects across environments
   - Object Manager migration methods
7. Managing data integrity
8. Automating administrative tasks
   - Automating tasks with Command Manager scripts
   - System Manager workflows
9. Tracking changes with change journaling

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Customized employee boot camps including training and assessment to quickly and efficiently ramp new team members.
Our boot camp programs will reduce employee 'on-the-bench' duration.

Boot Camps

Effective delivery of unrivalled classroom experience directly at your home or office. The virtual training experience is equivalent to onsite classroom training without the travel and accommodation expense.

Virtual Classroom

Instructor-led public classes held across the globe, at NSS classroom facilities. In addition to being able to interact directly with the instructor, you also get a chance to meet and network with industry peers.

Public Classroom

Flexible and affordable onsite training solutions aimed at training a group of employees or launching a company-wide training effort. We cater to delivering off-the shelf, slightly modified or fully customized trainings for your learning needs to produce immediate and measure results

Public Classroom

Training solutions that are flexible and tailored to your organization's needs conducted onsite at your location, or virtually to reduce cost and include students from multiple locations. We customize our agendas, formats and delivery methods to suit your needs.

Tailored Training

We design and develop custom, on-demand trainings that allow you to learn anytime, anywhere on your LMS. Multimedia presentation, instructor videos, interactive simulations and quiz section provide an enhanced learning experience.

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THANK YOU!

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