

Website: [www.dw-learnwell.com](http://www.dw-learnwell.com)

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## Microstrategy Syllabus

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### Introduction of Microstrategy

### Microstrategy Architecture

- 2,3 7 & 4 tier Architecture
- Product Landscape

### Microstrategy Components

- Metadata
- i-server
- Web Server
- Desktop
- Distribution Services
- Web

### Project Source/Project Set Up

- Metadata Repository
- Server Definition
- Project Source
- Warehouse Connection

### Schema Objects

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## Microstrategy Syllabus

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- Attributes
- Facts
- Hierarchies
- Tables
- Transformation
- Logical Tables
- Pass through Functions

### Public objects

- Metrics
- Derived Elements
- Filters
- Prompts
- Templates
- Consolidations
- Custom Groups

### Reports

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- Grid Reports
- Graph Reports
- Freeform Reports

### Report Data Manipulations/Report Style Manipulations

- Sorting
- Pivoting
- Threshold
- Auto Styles
- Exporting

### Report Data Options

- Report Limit
- Metric Join Type
- Attribute Join Type
- Evaluation Order
- Alias
- Null Value handling
- Drilling

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### Drill Maps/ Linking

- Drill map creation
- Drill to template
- Drill using Hierarchy
- Drilling via URL
- Linking

### VLDB Properties

### Overview of OLAP Services/i-cubes

- Intelligence Cubes (Scheduling, refresh strategy)
- View Filters
- Derived Metrics
- Dynamic Aggregation
- Derived Elements

### Dynamic Dashboards/Documents

- Datasets/i-Cubes
- Sections
- Panels
- Selectors

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- Layouts
- Grids/Graphs
- Widgets
- Master-Detail Reports

### Visual Insights /Data Import

### Microstrategy Web

### Distribution Services

- Personalization
- Bursting
- Bulk Export
- Setting up Devices and Transmitters
- Creating schedules (Timebased, event based)

### Advanced Topics

- Introduction to Microstrategy Engine
- Advanced VLDB Properties
- Multi Sourcing

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- Image Layout
- Custom Subtotals
- Integration with R
- Advanced Metrics (Level, transformation, Nested etc)
- Clustering

### Administration

- Object Manager / Object Merge
- System Manager
- Integrity Manager
- Health Center
- Enterprise Manager
- Command Manager
- Reading Log Files

## Data warehousing Syllabus

- Evolution of Datawarehousing - History
- The need of Datawarehousing

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## Microstrategy Syllabus

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- Why Datawarehousing
- What is Datawarehousing – The Definition
  1. Subject -Oriented
  2. Integrated
  3. Non – Volatile
  4. Time Varying
- Datawarehousing Architecture
  1. Data Source Layer
  2. Data Extraction Layer
  3. Staging Layer
  4. ETL Layer
  5. Data Storage Layer
  6. Data Logic Layer
  7. Data Presentation Layer
  8. Metadata Layer
  9. System Operation Layer
- Dimension table
- Fact table
  1. Additive Facts
  2. Semi Additive Facts

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- 3. Non – Additive Fact
- 4. Cumulative
- 5. Snapshot
- Attribute
- Hierarchy
- Types of Schema
  1. Star Schema
  2. Snow Flake Schema
  3. Fact Constellation Schema
- Slow Changing Dimension
  1. SCD1 – Advantages/ Disadvantages
  2. SCD2 – Advantages/ Disadvantages
  3. SCD3 – Advantages/ Disadvantages
- OLAP and OLTP
  - Difference between OLAP and OLTP
  - Types Of OLAP
    1. Multi-Dimensional (MOLAP)
    2. Relational(ROLAP)
    3. Hybrid(HOLAP)