

Course Brochure

DWH - MICROSTRATEGY

Overview

•A Data Warehouse is a storage area, which holds the complete data specific to the organization so that efficient queries can be built on it for Analysis and Reporting purpose. Data Warehouse is a subject-oriented database where data is associated to a single organizational process, often called entity. A Data Warehouse is integrated with various source databases, which provides enormous strategic implication for Business Intelligence. The Data Warehouse on the other hand does not cater to real time operational requirements of the enterprise. It is a storehouse of current and historical data extracted from either internal or external data source(s).

Pre-requisites

•Knowledge of Oracle is essential.

Applications

COURSE CONTENTS

Data warehouse (DWH) concepts

- ❖ What is a Data warehouse?
- ❖ Need for Data warehouse
- ❖ Difference between OLTP & OLAP Databases
- ❖ What is a dimensional Modeling?
- ❖ Types of Schemas
- ❖ SQL Basics: Types Of joins

Introduction to Microstrategy:

- ❖ What is Business Intelligence
- ❖ Basic components of Business intelligence architecture
- ❖ Microstrategy Architecture (Tools in Microstrategy)
- ❖ Microstrategy Report Execution flow

Microstrategy Report Essentials:

- ❖ Introduction to Microstrategy Desktop
- ❖ What is a report and components that makeup a report
- ❖ Creating, Saving and Viewing Reports

Report Data Manipulations:

- ❖ Drilling
- ❖ Page by
- ❖ Data Pivoting
- ❖ Subtotals
- ❖ Sorting
- ❖ Outline Mode
- ❖ Exporting and E-mailing Reports
- ❖ Report Subscriptions in Desktop

Report Style Manipulations:

- ❖ Formatting
- ❖ Thresholds
- ❖ Banding
- ❖ Locking and Resizing Columns and Rows

Types of Filters

Types of Metrics

Types of Prompts and searches

Microstrategy OLAP Services

Microstrategy Architect

- ❖ Overview of a Project Design Process
- ❖ Designing a logical data model
- ❖ Designing a Data warehouse Schema
- ❖ Creating a project in Microstrategy Architect
- ❖ What is a Fact?
- ❖ Types of Facts
- ❖ Creating facts and methods to create to facts
- ❖ Types of Attributes
- ❖ Creating Attributes and methods to create attributes.
- ❖ What is a User Hierarchy?
- ❖ Steps to Create User Hierarchy

Advanced Topics in Reporting:

- ❖ Advanced Metrics
- ❖ Advanced Filters
- ❖ Consolidations and Custom Groups
- ❖ Report Data Options
- ❖ Drill Maps
- ❖ What is an Intelligencube?
- ❖ Reporting and Analyzing Data with Intelligent Cubes
- ❖ View Filters and Dynamic Aggregation
- ❖ Prompt in a Prompt Functionality

COURSE CONTENTS

Advanced topics in Project Design:

- ❖ Primary and Secondary Database Instance at project Level
- ❖ Maintaining Tables
- ❖ Base and Aggregate Fact tables
- ❖ Microstrategy Aggregate Awareness
- ❖ Microstrategy Multi-Source Option.
- ❖ Creating Objects for Multisource Reports
- ❖ Creating a Multi Source Report
- ❖ Fact Level Extensions- Creating, Degrading and Disallowing fact levels
- ❖ Transformations Types and Methods
- ❖ Partitioning

Dashboards:

- ❖ Introduction to Report Services
- ❖ Document Design Concepts
- ❖ What is a dashboard?
- ❖ Creating Dynamic Dashboards
- ❖ Dashboard Design Considerations
- ❖ Dashboard Performance Considerations
- ❖ Flash Mode and Widgets

Microstrategy Application Management:

- ❖ Benefits of Administrative tools
- ❖ Object Manager and Object Merge
- ❖ Integrity Manager
- ❖ Enterprise Manager
- ❖ System Manager
- ❖ Change Journaling

Microstrategy Configuration And Security:

- ❖ Microstrategy Intelligence Server
- ❖ Architecture and Query Flow
- ❖ Administration Interface
- ❖ Managing Users and User Groups
- ❖ Authentication
- ❖ Security
- ❖ Types of Cache
- ❖ Schedules and Subscriptions Administration
- ❖ Microstrategy Distribution Service

Report Testing

Performance Tuning a Report

Microstrategy Interview Questions

Resume Preparation guidance