

MSBI Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

Course Name: MSBI Online Training
SQL Server 2005 Analysis Services
What Is Microsoft BI?

Core concept – BI is the cube or UDM
Example cube as seen using Excel pivot table
MS BI is comprehensive – more than Analysis Services on SQL Server
Demonstration of SQL Reporting Services with cube as data source

OLAP Modelling

Modelling source schemas—stars and snowflakes
Understanding dimensional modelling— Dimensions (Type 1, 2 and 3) or rapidly changing
Understanding fact (measures) and cube modelling
Other types of modelling—data mining etc.

Using SSAS in BIDS

Understanding the development environment
Creating Data Sources and Data Source Views
Creating cubes – using the UDM and the Cube Build Wizard
Refining Dimensions and Measures in BIDS

Intermediate SSAS

KPIs
Perspectives
Translations – cube metadata and currency localization
Actions – regular, drill-through and reporting

Advanced SSAS

Using multiple fact tables
Modelling intermediate fact tables
Modelling M:M dimensions, Fact (degenerate) dimensions, Role-playing dimensions, write back dimensions

www.smartmindonlinetraining.com

Ph: +91 9949599844, +919949566322
contact@smartmindonlinetraining.com

Modelling changing dimensions – Dimension Intelligence w/ Wizard
Using the Add Business Intelligence Wizards – write-back, semi-additive measures, time intelligence, account intelligence

Cube Storage and Aggregation

Storage topics – basic aggregations, MOLAP
Advanced Storage Design – MOLAP, ROLAP, HOLAP
Partitions – relational and Analysis Services partitions
Customizing Aggregation Design – Processing Design
Rapidly changing dimensions / ROLAP dimensions
Welcome to the Real Time – Proactive Caching
Cube processing options

Beginning MDX

Basic syntax
Using the MDX query editor in SQL Server Management Studio
Most-used Functions & Common tasks
New MDX functions

Intermediate MDX

Adding calculated members
Adding scripts
Adding named sets
.NET Assemblies

SSAS Administration

Best practices – health monitoring
XMLA scripting (SQL Mgmt Studio)
Other Documentation methods
Security – roles and permissions
Disaster Recovery – backup / restore
Clustering – high availability

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