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SQL Server Analysis Services (SSAS)

Introduction to SSAS

- Brief Introduction to SSAS
- Using SSAS in BIDS
- Understanding BIDS
- Creating Data Sources
- Creating Data Source Views
- Creating a Cube Using the Wizard
- Refining Dimensions and Measures

Intermediate SSAS

- Creating KPIs
- Creating Perspectives
- Creating Translations
- Creating Actions
- Advanced SSAS
- Working with Multiple Fact Tables
- Using Advanced Dimension Types
- Working with Changing Dimensions
- Using the Business Intelligence Wizard

Cube Designing and development

- Different Ways to Create CUBE
- Measures and Measure Groups
- Diff between BUILD, DEPLOY and PROCESS
- Calculated Columns

Hierarchies

- Creating and Managing Hierarchies
- Translations

Beginning MDX

• Understanding MDX

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- About Members, Tuples and Sets
- Common MDX Functions Explained
- New or Updated MDX Functions or Keywords

Intermediate MDX

- Understanding the Calculations Sub tab
- Adding Calculated Members
- Adding MDX Scripts
- Adding Named Sets

SSAS Administration

- Implementing SSAS Security
- Implementing XMLA Scripts
- Understanding SSAS Backup and Restore
- Understanding Performance Optimization

Introduction to SSAS Clients

- Using Excel 2007 Pivot Tables
- Using SQL Server Reporting Services

Partitions-Aggregations

- What are Partitions and How to create Partitions?
- On what basis a Partition are created?

Actions, Calculations, Perspectives and KPIs

- What are Actions and How to create IT?
- Understand KPIs and Create KPIs
- Understand Calculations and Create Calculations
- Creating Perspectives

Deploying the Cube

- Generate XMLA Script and Deploy a Cube in SQL Server
- Create Jobs to process the cube in SQL Server
- Different Approaches to Deployment
- Client Interactions with Excel