MSBI Course Details

SSIS

100 % Practical Classes

Introduction to SQL Server Integration Services

- SSIS Package Architecture Overview
- Introduction to SSIS & Data Warehouse
- Basic ETL Entities in SSIS
- Data and Management Tools

Introduction to Data Flow

- Data Flow Overview
- Data Sources
- Data Destinations
- Data Flow Transformations
- Data Viewers

Data Sources

- Excel Source
- Flat File Source
- OLE DB Source
- XML Source

Data Flow Transformations

- Aggregate Transformation
- Audit Transformation
- Character Map Transformation
- Conditional Split Transformation
- Copy Column Transformation
- Derived Column Transformation
- Data Conversion Transformation
- Multicast Transformation
- OLE DB Command Transformation
- Percentage Sampling Transformation
- Row Count Transformation
- Sort Transformation
- Union All Transformation
- Audit Transformation

- Character Map Transformation
- Copy Column Transformation

Advanced Data Flow

- Lookup Transformation
- Merge Transformation
- Merge Join Transformation
- Slowly Changing Dimension Transformation
- Pivot Transformation
- Export Transformation
- Import Transformation
- Unpivot Transformation
- Term Extraction Transformation
- Term Lookup Transformation
- Fuzzy Lookup Transformation
- Fuzzy Grouping Transformation

Data Flow Destinations

- Data Reader Destination
- Excel Destination
- Flat File Destination
- OLE DB Destination

Introduction to Control Flow

- Control Flow Overview
- Precedence Constraints
- The Execute SQL Task
- The Bulk Insert Task
- The File System Task
- The FTP Task
- The Send Mail Task
- Bulk Insert Task
- Data Flow Task
- Execute Package Task
- Execute Process Task
- Web Service Task
- Backup database Task
- Analysis Services Processing Task

Advanced Control Flow

- For Loop Container
- For Each Loop Container
- Sequence Container

Variables and Configurations

- Variables Overview
- Variable scope
- SSIS system variables
- Using variables in control flow
- Using variables in data flow
- Property expressions
- Configuration Overview
- Configuration options
- Configuration discipline

Error Handling and Logging

- Control Flow: The On Error event handler
- Data Flow: Error data flow
- Built-in log providers

SSIS Package Deployment
- Configurations and deployment
- Deployment options

SSIS Package Management
- The SSIS Service
- Managing packages with SQL Server Management Studio
- Scheduling packages with SQL Server Agent

SSAS
100 % Practical Classes

What Is Microsoft Business Intelligence?
- Defining Microsoft Business Intelligence
- Viewing a Cube Using Excel
- Using SSAS in SSDT
- Understanding SSDT

- Creating Data Sources
- Creating Data Source Views
- Creating a multidimensional cube
- Creating a TabularModel

Intermediate SSAS

- KPI
- Action
- Aggregation
- Creating Perspectives
- Creating Translations
- Working with Multiple Fact Tables
- Using the Business Intelligence Wizard

SSRS

100 % Practical Classes

Creating basic reports

- Tabular
- List
- Matrix
- Chart
- Parameterized
- Drilldown
- DrillThrough
- Constructing data sources and Datasets