

Sql+MSBI Training Outline

Sql-Tsql :

- SQL Server database Overview.
- Different Types of Keys (PK and FK)
- What is DDL, DML
- Data Types
- What are Constraints (Identity, Unique, Check, NULL, Default)
- Aggregates
- Where
- Group by
- Having
- Temp tables
- Table Variables
- Select, Distinct, Top, (Ranking, Scalar Functions, Date Functions)
- Joins
- Sub Queries
- Views
- CTE
- Cursor
- Stored Procedures
- User Defined Functions (String, Table value, Cross Apply)
- Triggers

SQL Server Integration Services (SSIS):

- Introduction to SSIS Packages
- Introduction of (BIDS) and Explanation of All tool boxes, Solution Explorer, Package variables
- Import and Export Wizard, Control Flow and Dataflow tasks
- Control Flow tasks like Execute SQL Task, BULK insert tasks, File System tasks , The
- FTP Task
- Dataflow tasks and transformations introduction
- Data sources, Data transformations, Copy column Transformation, Derived Column transformation, Conditional Split and Aggregate Transformation, Sort
- Transformation and Data Viewers.
- Slowly Changing Dimension (SCD) Concepts and its Transformations.
- How to implement Check points.
- SSIS Package Deployment and Package Management like how to schedule package, DTUtil and DTEXec command.

SQL Server Analysis Services (SSAS):

- Introduction to Data Warehousing, OLTP, OLAP
- Understanding Dimension Modelling
- Creating Data source and Data source views
- Creating the Cube through Wizard and through UDM.
- Creating Dimensions and Measures in SSAS and how to add those in Cube.
- Partitions and Aggregations Design in cube and Processing Options in cube.
- What is Build, Deploy and process in cube?
- How to do Slice and Dice in the Cube.
- How to retrieve the data in Cube i.e. Through MDX.
- Different Options for Deploying a Cube.
- How to take the report from Cube in Excel

SQL Server Reporting Services (SSRS):

- What is the Terminology involved in SSRS, SSRS Architecture and how to configure SSRS?
- What is Shared Data source and How to Create an Ad-hoc Report from Wizard.
- Creating Expressions and Conditional Formatting.
- How to Calculate Total and Percentage and how to create Drill-Down reports.
- Creating Report Parameter and Debugging Parameter issues.
- How to create a Basic Matrix Report, Tablix Report and Charts.
- How to Create a Standard and Data-driven Subscription and managing subscriptions.
- Managing Reports, Security and how to use Web-based Report Manager.