

SSIS Course Content

Module 1: Introduction to Connection Managers

- OLE DB
- ADO.NET
- Cache
- EXCEL
- File
- SMO

Module 2: Introduction to SSIS Sources and Destinations

- Sources
 - Source Assistant
 - ADO.NET Source
 - Excel Source
 - OLE DB Source
 - Flat File Source
- Destinations
 - ADO.NET Destination
 - OLE DB Destination
 - FLAT FILE Destination

Module 3: List of Important Transformations

- Audit
- Aggregate Basic Mode
- Aggregate Advanced Mode – Configure Multiple Outputs
- Cache
- Character Map
- Conditional Split
- Copy Column
- Data Conversion
- Derived Column
- Export Column
- Import Column
- Lookup Introduction
 - Use OLE DB Connection Manager for Lookup Transformation
 - Lookup in Full Cache Mode
 - Lookup Case Sensitivity
- Merge
- Merge Join
 - Inner Join

- Left Outer Join
 - Right Outer Join
 - Full Outer Join
- Multicast
- OLE DB Command
 - Delete Operations
 - Update Operations
- Percentage Sampling
- Pivot Transformation
- Slowly Changing Dimension
 - SCD Type 0
 - SCD Type 1
 - SCD Type 2
- Sort Transformation
- Union All

Module 4: List of important Control Flow Tasks

- Control Flow Tasks
- Bulk Insert Task
- Data Profiling Task
- Execute T-SQL Statement Task
- Execute SQL Task
 - Introduction to Execute SQL Task
 - Truncate Table – Result Set None
 - Single Row Result Set
 - Full Result Set
- Execute Package Task
 - Executing Packages in File System
 - Execute Packages in SQL Server
 - Executing Packages present in the Same Project
- File System Task
 - Copy Directory
 - Copy File
 - Move Multiple Files
 - Delete File
 - Rename File
- Script Task
- Transferring SQL Tables with Data
- Transfer SQL Table Structures without Data

Module 5: For loop and foreach loop Containers

- For Loop Container
- ForEach Loop Container
 - ADO.NET Schema Rowset Enumerator
 - File Enumerator
 - NodeList Enumerator
 - SMO Enumerator
 - Variable Enumerator

Module 6: SSIS deployment methods, configuration and error handling

- Create SQL Integration Service Catalog
- Deploy Projects using BIDS
- Deploy Project using SQL Server
- Use SQL Deployment Wizard to Deploy Project
- Breakpoints
- Checkpoints
- Error Handling
- Event Handlers
- Logging
- SQL Server Configuration
- XML Configuration File