
SQL Server Integration Server - SSIS

Mode: Classroom

Duration: 20 hours

Course Outline

Introduction to SQL Server Integration Services

- Introduction
- Product History
- Architecture overview
- Packages

Business Intelligence Development Studio

- Introduction
- Package Designer
- Toolbox
- Solution explorer
- Properties window
- Variables window

Control Flow Overview

- Introduction
- Connection Managers
- Tasks
- Precedence Constraints
- Containers

Control Flow Task Detail

- Introduction
- Data Preparation Task
- File System Task
- FTP Task
- Web Services Task
- XML Task
- Data Profiling Task
- Execute Package Task
- Execute Process Task

Data Flow basics

- Introduction
- Data Sources
- ADO.NET Source
- Excel Source
- Flat File Source

- OLE DB Source
- XML Source
- Raw File Destination

Data Flow Transformations

- Introductions
- Row Transformations
- Copy Column
- Data Conversion
- Derived Column
- Aggregate
- Sort
- Multicast
- Union All
- Merge
- Merge Join

Debugging Packages

- Debugging
- Breakpoints
- Data Viewer

Deployment Management

- The deployment utility
- Deployment options
- Deployment security
- Executing packages – DTEXec and DTEXecUI

Deployment Options & Utilities

- Package Execution Options
- File System Security Limitations
- SSIS Deployment & DB Engine
- SSIS Catalog Project Files
- Package Migration Utilities
- Command-Line Deployments

Security

- Security Options
- Encrypting SSIS Packages
- Event Logging Activities

Upgrading Packages

- Migrating packages
- DTS packages to SSIS migration