

ET : 514

Data Transform using Replication
and Integration Services 2005

Course Level

Professional



Contact CTT-center

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This course will help you get past the initial learning curve quickly so that you can get started using SSIS to transform data, create a workflow, or maintain your SQL Server. Offering you hands-on guidance, you'll learn a new world of integration possibilities and be able to move away from scripting complex logic to programming tasks using a full featured language

Course Duration

5 days.

Who should attend?

This Course is for developers, DBAs, and users who are looking to program custom code in all of the .NET languages. It is expected that you know the basics of how to query the SQL Server and have some fundamental programming skills

Pre-requisites

An understanding of relational database concepts and able to administering SQL Server 2005

Course Objective

- Ways to quickly move and transform data
- How to configure every aspect of SSIS
- How to interface SSIS with web services and XML
- Techniques to scale the SSIS and make it more reliable
- How to migrate DTS packages to SSIS
- How to create your own custom tasks and user interfaces
- How to create an application that interfaces with SSIS to manage the environment
- A detailed usable case study for a complete ETL solution
- How to replication data to another SQL Server
- Implement SQL Replication

Descriptions.

- Module 1: Introduction to SQL 2005 Data Transfer
- Module 2: Integrations Services Overview
- Module 3: Integrations Services Architecture
- Module 4: Using Integrations Service Object
- Module 5: Building Solution and Integration Service Projects
- Module 6: Designing and Creating Integration Service Package
- Module 7: Deploying Integration Service Package
- Module 8: Integration Services Security
- Module 9: Administering Integration Service
- Module 10: Programming Integration Service
- Module 11: SQL Replication Service
- Module 12: Implementing SQL Replication
- Module 13: Trouble Shooting Replication

Course Outline

Chapter 1: Welcome to SQL Server Integration Services.

Chapter 2: The SSIS Tools.

Chapter 3: SSIS Tasks.

Chapter 4: Containers and Data Flow.

Chapter 5: Creating an End-to-End Package.

Chapter 6: Advanced Tasks and Transforms.

Chapter 7: Scripting in SSIS.

Chapter 8: Accessing Heterogeneous Data.

Chapter 9: Reliability and Scalability.

Chapter 10: Understanding the Integration Services Engine.

Chapter 11: Applying the Integration Services Engine.

Chapter 12: DTS 2000 Migration and Metadata Management.

Chapter 13: Error and Event Handling.

Chapter 14: Programming and Extending SSIS.

Chapter 15: Adding a User Interface to Your Component.

Chapter 16: External Management and WMI Task Implementation.

Chapter 17: Using SSIS with External Applications.

Chapter 18: SSIS Software Development Life Cycle.

Course Code

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