

MS 2792A - Implementing and Maintaining Microsoft SQL Server 2005 Integration Services

Description: This three-day instructor-led course teaches students how to implement an Integration Services solution in an organization. The course discusses how to develop, deploy, and manage Integration Services packages.

Days: 3

Prerequisites: Before attending this course, students must have:

- Exposure to enterprise data import and export scenarios.
- Experience navigating the Microsoft Windows Server environment.
- Experience with Microsoft SQL Server, including:
 - SQL Server Agent.
 - SQL Server query language (SELECT, UPDATE, INSERT, and DELETE).
 - SQL Server System tables.
 - SQL Server accounts (users and permissions)

Audience: This course is intended for information technology (IT) professionals and developers who need to implement data transfer or extract, transform, and load (ETL) solutions by using Microsoft SQL Server 2005 Integration Services.

Module 1: Introduction to SQL Server 2005 Integration Services

This module introduces the role that Integration Services plays in extracting, transforming, and loading data. This module also describes the tools that you can use to build and manage Integration Services solutions.

Lessons

- Overview of Integration Services Solutions
- Integration Services Tools

Lab 1: Using SQL Server Integration Services

Module 2: Developing Integration Services Solutions

This module provides an overview of the development tasks that are involved in creating an Integration Services package. After completing this module, you will be able to create a basic package.

Lessons

- Creating an Integration Services Solution
- Using Variables
- Building and Running a Solution

Lab 2: Implementing an Integration Services Solution

Module 3: Implementing Control Flow

This module introduces the tasks and precedence constraints that you can use to implement control flow in an Integration Services package.

Lessons

- Control Flow Tasks
- Control Flow Precedence Constraints
- Control Flow Containers

Lab 3: Implementing Control Flow

Module 4: Implementing Data Flow

This module describes the data flow sources, transformations, and destinations that you can use to implement a data flow task in an Integration Services control flow. It also explains how to use data flow paths to direct valid and invalid rows through the data flow.

Lessons

- Data Flow Sources and Destinations
- Data Flow Transformations
- Data Flow Paths

Lab 4: Implementing Data Flows

Module 5: Implementing Logging

This module discusses how to use logging in an Integration Services package, and explains how to configure and use logging providers to generate information about a package's execution.

Lessons

- Overview of Integration Services Logging
- Implementing Logging

Lab 5: Implementing Logging

Module 6: Debugging and Error Handling

This module describes how to debug Integration Services packages by using the debugging tools in Business Intelligence Development Studio. It then explains how to implement error-handling logic in an Integration Services package.

Lessons

- Debugging a Package
- Implementing Error Handling

Lab 6: Debugging and Error Handling

Module 7: Implementing Checkpoints and Transactions

This module explains what checkpoints are and how to implement them. It then discusses transactions, and describes how you can implement transactional data access logic in an Integration Services package.

Lessons

- Implementing Checkpoints
- Implementing Transactions

Lab 7: Implementing Checkpoints and Transactions

Module 8: Deploying Packages

This module discusses how to create Package Configurations and how to deploy Integration Services packages to production servers.

Lessons

- Package Configurations
- Deploying Packages

Lab 8: Deploying Integration Services Packages

Module 9: Managing and Securing Packages

This module describes the management tasks that relate to Integration Services packages and explains how to perform those tasks by using the Integration Services management tools. It also describes how to secure

Integration Services packages.

Lessons

- Managing Packages
- Securing Packages

Lab 9: Managing and Securing Packages

Upcoming Classes

Jun 20, 2012 - Jun 22, 2012

Jul 10, 2012 - Jul 12, 2012

Aug 20, 2012 - Aug 22, 2012

Sep 12, 2012 - Sep 14, 2012

Oct 09, 2012 - Oct 11, 2012

Nov 19, 2012 - Nov 21, 2012

Dec 12, 2012 - Dec 14, 2012