

## Administering and Automating Microsoft SQL Server 2005 Databases and Servers

### Introduction

This one-day instructor-led course provides students with the knowledge and skills to administer and automate Microsoft SQL Server 2005 databases and servers. This course focuses on the need to maintain administration and automation information.

### Pre-Requisites

Before attending this course, students must:

- Understand how replication works and how replication is implemented.
- Have working knowledge of source control software.
- Have working knowledge of networking.
- Have basic working knowledge of security infrastructures. Specifically, Active Directory infrastructure.
- Have some experience with database design.
- Have basic monitoring and troubleshooting skills.
- Have working knowledge of the operating system, platform and application architecture. That is, how applications can be designed in three layers, what applications can do, interactions between applications and the database, and interactions between the database and the platform or operating system.
- Have an MCTS: Microsoft SQL Server 2005 credential, or equivalent experience.
- It is recommended, but not required, that students have completed
  - [Course 2778: Writing Queries Using Microsoft SQL Server 2005 Transact-SQL.](#)
  - [Course 2779: Implementing a Microsoft SQL Server 2005 Database.](#)
  - [Course 2780: Maintaining a Microsoft SQL Server 2005 Database.](#)



Learning Solutions

( 1300 86 87246  
1300 TO TRAIN

### Outcomes

At course completion, students will be able to:

- Manage and automate databases and servers.
- Manage supporting services.

### Course Details

Course code: MS 2789

Duration: 1 day

Starting time: 9.00 am

Finishing time: 4.30 pm

Lunch and refreshments are provided.

### Booking guidelines

Contact our Learning Consultants on 1300 86 87246 and we will assist you with your booking.

# Course Outline

## Ø Module 1: Managing and Automating Databases and Servers

This module provides you with the guidelines and considerations for planning automated systems for databases and servers. This module also provides you with the knowledge required to maintain a run book.

### Lessons

- Planning an Automated System for Database Maintenance.
- Planning an Automated System Server Maintenance.
- Documenting Administration and Automation Information.

### Lab 1: Managing and Automating Databases and Servers

- Creating Maintenance Plans.
- Creating Database Change Control Procedures.
- Configuring And Using the SQL H2 Tool.
- After completing this module, students will be able to:
  - Plan an automated system for database maintenance.
  - Plan an automated system for server maintenance.
  - Document administration and automation information in a run book.

## Ø Module 2: Managing SQL Server Supporting Services

This module introduces the concept of SQL Server Integration Services (SSIS) packages and provides the guidelines to deploy and manage SSIS packages. This module also provides the guidelines and considerations for maintaining replication and reporting services.

### Lessons

- Managing SSIS Packages.
- Managing Replication.
- Managing Reporting Services.

### Lab 2: Managing SQL Server Supporting Services

- Moving Packages between Database Servers.
- Initializing a Transactional Subscription From a Backup.
- Configuring Reporting Services.

After completing this module, students will be able to:

- Manage SSIS packages.
- Manage replication.
- Manage reporting services.