

SQL Server Training: SQL Server Administration (SQLADCP, 4 jours)

Description

The course SQL Server Administration (SharePoint Training) covers database administration from A to Z on SQL Server. The training explores the installation & configuration of SQL Server as well as the design & creation of SQL Server data & log files using files & filegroups. The course also discusses data import & export, backup & recovery, SQL Server security, and SQL Server performance tuning & monitoring. The training concludes with a detailed discussion of indexes, index types & data storage optimization.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction to SQL Server and its Toolset

Overview of SQL Server Services

SQL Server Services and Features

Working with SQL Server Tools

Designing the Environment: Creating Accounts and Configuring the Firewall

About Virtualizing SQL Server

Configuring Services in an Enterprise Environment

Configuring Protocols: Server and Client

Configuring DCOM Components for Enterprise Applications

Configuring SQL Server Browser

Modifying the Operating System for Performance

Installing SQL Server 2016

Tweaking SQL Server Memory

Configuring TempDB

Working with Databases

About SQL Server Databases. Files and Filegroups

Planning for Space Usage

Creating Databases with TSQL

Creating Files and Filegroups

Attaching and Detaching Database Files

About Database Settings

Retrieving Key Database Information using TSQL

Backup and Recovery

About SQL Server Recovery Models

About Full, Transactional and Incremental Backups

Delving Deeper into Transaction Logging

Planning a SQL Server Backup Strategy

Performing a Backup using TSQL

About Backup Options

Performing a Recovery using TSQL

About Recovery Options

Performing a Point in Time Recovery

Backup Strategies for System Databases

Importing and Exporting Data

Overview of Import/Export Tools

Importing/Exporting Data using Graphical Tools

Importing/Exporting Data using TSQL

Importing/Exporting Data using Integration Services

SQL Server Security

Understanding SQL Server Security Modes

Understanding SQL Server Logins, Users and Roles

Creating SQL Server Logins

Working with Server Roles

Working with Users and Database Roles

Creating Database Roles

Security and Stored Procedure Execution

Troubleshooting Data Access Issues

SQL Server Event Management and Auditing

Enabling SQL Server Auditing

Auditing Data Access in SQL Server

Managing Auditing

Configuring SQL Server Agent

Creating and Scheduling Jobs and Alerts

Creating Operators and Notifications

Ensuring Database Integrity

Maintaining Indexes

Automating Routine Database Maintenance

Working with indexes

Understanding the Anatomy of CRUD Operations

Understanding Page Internals

Understanding Indexes, Index Types and Table Storage

About Fragmentation and Data Storage

Creating Clustered Indexes

Creating Non-Clustered Indexes

Rebuilding Indexes

Managing Fragmentation

Tuning TSQL Statements

Tracing Access to SQL Server

Capturing Activity using SQL Server Profiler

Improving Performance with the Database Engine Tuning Advisor

Working with Tracing Options

Monitoring Activity

Capturing and Managing Performance Data

Analyzing Collected Performance Data

Troubleshooting Common SQL Server Issues

Complete SQL Server Troubleshooting Lab