

Administering Microsoft SQL Server

A 3 day **Hands on** training course



Description

This course provides students with the knowledge and skills to maintain a Microsoft SQL Server database. The course focuses on how to use SQL Server 2016 product features and tools related to maintaining a database. Note: This course is designed for customers who are interested in learning SQL Server 2014 or SQL Server 2016. It covers the new features in SQL Server 2016, but also the important capabilities across the SQL Server data platform.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Describe core database administration tasks and tools.
- ✓ Configure SQL Server databases and storage.
- ✓ Import and export data.
- ✓ Monitor SQL Server.
- ✓ Trace SQL Server activity.
- ✓ Manage SQL Server security.
- ✓ Audit data access and encrypt data.



Training approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Individuals who work with SQL Server databases.
Individuals who develop applications that deliver content from SQL Server databases.






Prerequisites

Introduction to data communications & networking.

Duration: 3 days

Overall rating:



Generic training 	Small class sizes 	Hands On training 	Our courseware 	Customise your course 
<p>Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".</p> <p><i>"Friendly environment with expert teaching that teaches the why before the how."</i> G.C. Fasthosts</p>	<p>We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.</p> <p><i>"Excellent course. The small class size was a great benefit..."</i> M.B. IBM</p>	<p>The majority of our courses use hands on sessions to reinforce the theory.</p> <p><i>"Not many courses have practice added to it. Normally just the theoretical stuff is covered."</i> J.W. Vodafone</p>	<p>We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.</p> <p><i>"Comprehensive materials that made the course easy to follow and will be used as a reference point."</i> V.B. Rockwell Collins</p>	<p>Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.</p> <p><i>"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."</i> S.R. Qinetiq</p>

Administering Microsoft SQL Server

Course content

Introduction to SQL Server administration

Database administration, SQL Server platform, database management tools and techniques. Lab: SQL Server Management Studio, sqlcmd Windows PowerShell with SQL Server.

Working with databases and storage

Data storage with SQL Server, managing storage for system databases, managing storage for user databases, moving database files, configuring the buffer pool extension. Lab: Configuring tempdb storage, creating databases, attaching a database.

Importing and exporting data

Transferring data, importing and exporting table data, copying or moving a database. Lab: import and export wizard, bcp utility, BULK INSERT statement, OPENROWSET function.

Monitoring SQL Server 2014

Monitoring SQL Server, dynamic management views and functions, performance monitor. Lab: Baseline metrics, monitoring a workload.

Tracing SQL Server activity

Tracing workload activity, using traces. Lab: Capturing a trace in SQL Server profiler, generating tuning recommendations.

Managing SQL Server security

SQL Server security, server-level security, database-level principals, database permissions. Lab: SQL Server security. Testing access.

What our customers say

"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"

O. B. Network Rail

"The best technical course I've been on!"

L. W. Fujitsu Telecoms Europe

"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."

A.R. Unipart

"Course content is interesting. Relevant to current systems and presented well."

S.S-T. Arqiva

Step back

Database fundamentals

Administering Microsoft SQL Server

Step forward

Updating Your Skills to SQL Server 2017