

Advanced SQL Server Troubleshooting

Internals, tools, techniques and best practices for SQL Server 2005/2008 and Windows

The Advanced Troubleshooting Workshop for SQL Server 2005 provides attendees with SQL Server and Windows internals knowledge, practical troubleshooting skills and a proven methodical approach to problem solving. The workshop will enable attendees to tackle complex SQL Server problems with confidence.

Target Audience

This is an advanced workshop designed for IT Professionals who design, administer or maintain critical platforms based on SQL Server 2005 or 2008. Participants should be spending or planning to spend most of their time working with SQL Server.

Technical depth

300-400

Overview

This 2-day course provides participants with the opportunity to learn about advanced SQL Server support topics in a very approachable way.

On day-1, low-level SQL Server components are illustrated by following the "life of a query". This helps to consolidate understanding of the architecture and provides a context from which to delve further into advanced concepts including:

- Memory grants and cache usage
- I/O considerations and diagnosing problems
- SQL Server waits and Extended Events
- Troubleshooting latch waits
- Query plan optimisation and execution

On day-2, freely available support tools are introduced and analysed in-depth with real world examples and data. These tools are key to fast analysis and resolution:

- Perfmon and PAL tool
- SQL Trace and Profiler
- RML Utilities
- SQLDIAG and the PerfStats script
- SQLNexus
- Perf Dashboard

Full instruction is given in how to configure and run these tools in your own environment and how to interpret the results.

Key Benefits

The Advanced SQL Server Troubleshooting seminar provides attendees with a comprehensive understanding of key troubleshooting tools and methods. Attendees will benefit from:

- Reduce time to resolution for production problems
- Reduced occurrences of issues through proactive troubleshooting
- Established troubleshooting methodology

"I enjoyed the day very much and found it amazingly useful. I thought it was one of the best training sessions I have attended. Thanks very much."

previous attendee

Coeo is an expert SQL Server Systems Integrator delivering Consulting, Remote DBA and Dedicated Engineering to large and medium sized businesses in the UK and mainland Europe.