SQL Server:
Query Optimization 1 Day with Lab

WorkshopPLUS

Duration: 1 Day | **Focus Area:** Performance and Scalability | **Level**: 300

It is a one day WorkshopPLUS course that provides you the knowledge and tools necessary to understand the aspects of SQL Server that affect application performance. Attendees will learn the process of query compilation and optimizations, get an overview of execution plans, understand how to write efficient queries, use hints and troubleshoot queries. It will also cover the query store feature to help you to track query execution plan and analyze performance.
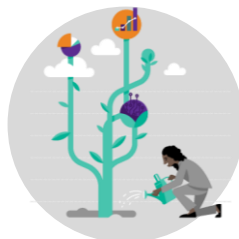
This workshop is targeted at Database developers and administrators.

--- OUTCOMES ---

Skills

Gain a deeper understanding of the performance-related features and troubleshooting techniques in SQL Server to improve the performance

Best Practices

Learn reliable methods of analyzing performance bottlenecks, designing the structure of database for performance, developing efficient queries
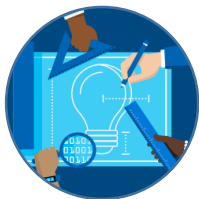
Way Forward

Take what you've learned in the classroom and apply it to resolve real problems at your workspace.

--- CAPABILITIES ---

Hands-on, interactive learning with expert instructors in a classroom environment.

OUR EXPERTISE

Learn from industry experts that help enterprise customers solve their most challenging problems.

HANDS ON

Practice the concepts you learned in the classroom by engaging in hours of hands-on lab exercises.

IN-DEPTH LEARNING

Deep technical training that equips you to overcome challenging problems in the real world.

Microsoft

Duration: 1 day

Module 1: Query Optimization

- Query Compilation and Execution
- Query Optimizations
- Understanding of Execution Plans
- Cardinality Estimation
- SARGability
- Hints and Plan Guides
- Query Tuning
- Query Troubleshooting
- Plan Cache
- Query Store
- Live Statistics

STATS

1000+
COURSES COMPLETED

95%
CUSTOMER SATISFACTION

AVAILABLE WORLDWIDE

ADDITIONAL DETAILS

Objectives
After attending this Workshop, students will be able to:
- Understand how to troubleshoot and tune queries
- Learn how to use Query Store feature to keep the history of execution plans and reuse any of the archived plans
- Use live statistics features to monitor the live performance

Prerequisites
Before attending this workshop, the attendees must have:
- Experience writing SQL queries, and performing database administration.

NEXT STEPS: If you are interested in database administration for your organization, contact your Microsoft Account Representative.

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