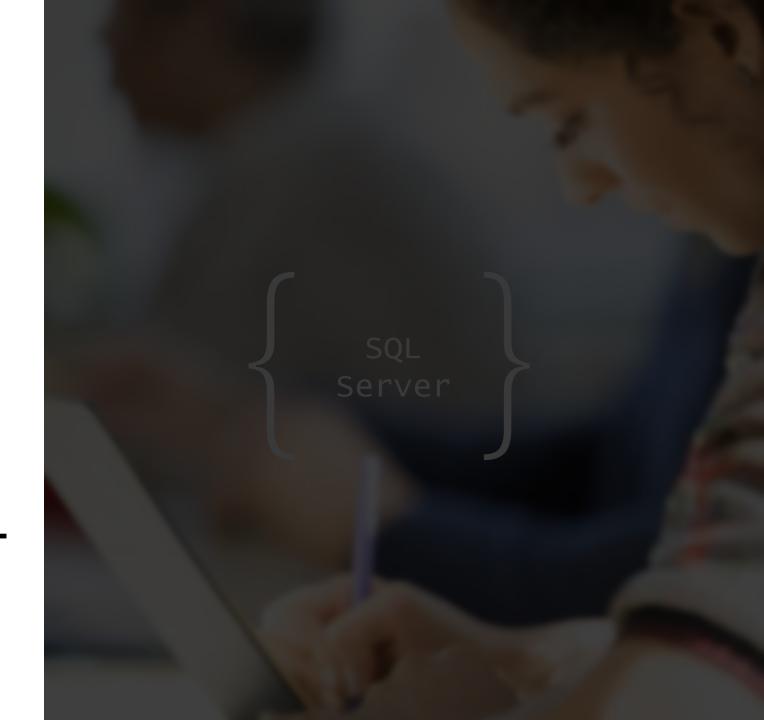


WorkshopPLUS – SQL Server: Performance Tuning and Optimization

Microsoft Open June 6th – 9th, 2023 10:00 am – 6:00 pm ET





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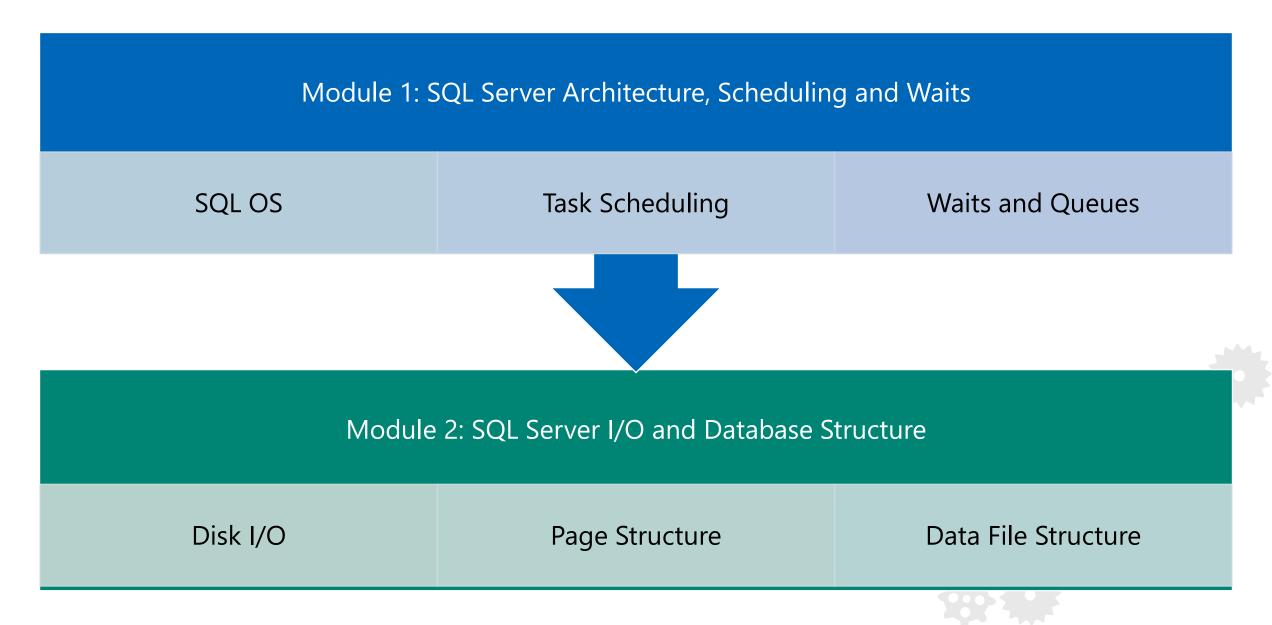


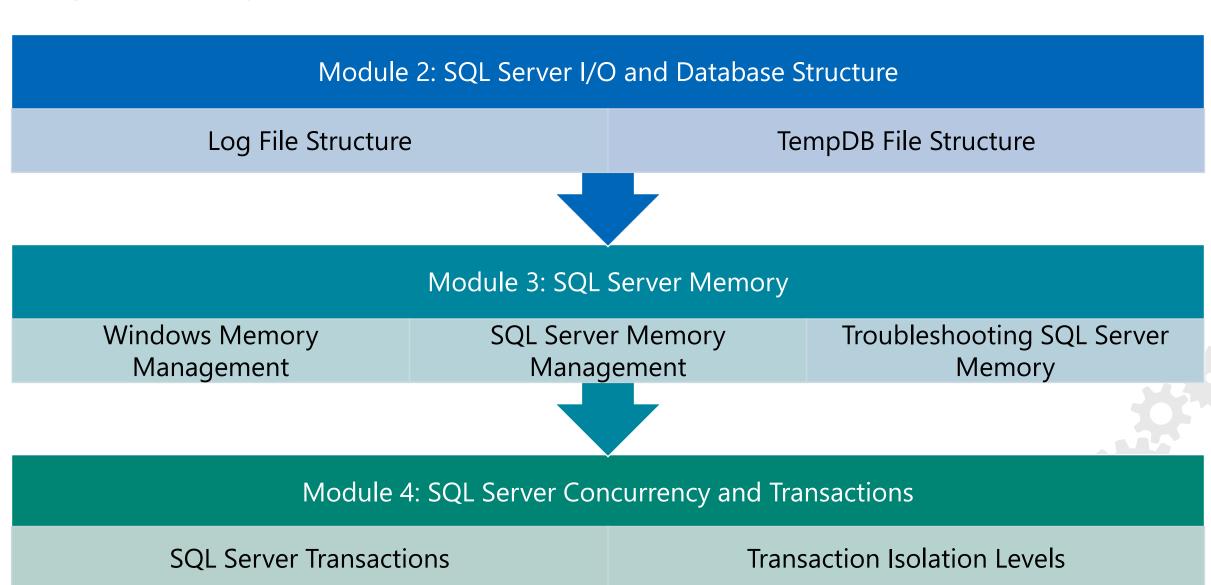


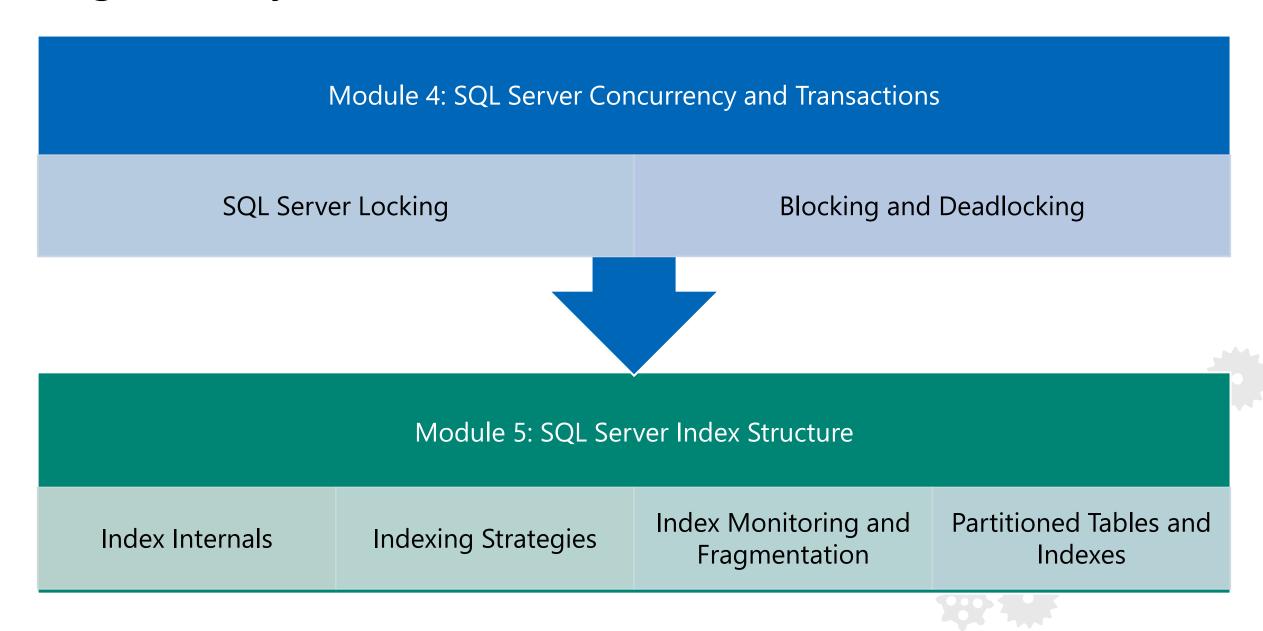












Module 6: SQL Server Statistics Structure

SQL Server Statistics Internals

SQL Server Statistics Maintenance



Module 7: SQL Server Query Execution and Plans

SQL Server Query Execution

SQL Server Query Plan Analysis



Module 8: SQL Server Plan Caching and Query Store

SQL Server Plan Cache Internals

Query Store

Query Store Troubleshooting

Additional Review

Module 9: SQL Server Query Tuning Sargable expressions **Query Hints Query Troubleshooting**

Module 10: SQL Server Performance Tools **Extended Events** Resource Governor

Lab Times - (Minutes)

M01L03Lab01 - Waits and Queues (30) M02L02Lab01 - Use DiskSpd to run storage performance tests (30) M02L03Lab01 - Disk I/O monitoring and troubleshooting (30) M02L08Lab01 - Monitoring and troubleshooting TempDB (30) M03L03Lab01 - Memory Troubleshooting (45) M04L02Lab01 - SQL Server Isolation Levels (30) M04L05Lab01 - Troubleshooting Concurrency Performance (40) M05L03Lab01 - SQL Server Partitioning (30) M05L04Lab01 - Columnstore Index Performance (20) M05L05Lab01 - Index Maintenance (30) M06L03Lab01 - Statistics Update (25)

Lab Times - (Minutes)

M07L02Lab01 - Constraint Optimization (25)

M07L03Lab01 - Query Plan Analysis (30)

M07L04Lab01 - Intelligent query processing (25)

M08L03Lab01 - Troubleshooting Using the Query Store (30)

M09L01Lab01 - Query Tuning Sargability (20)

M09L03Lab01 - Query Troubleshooting (20)

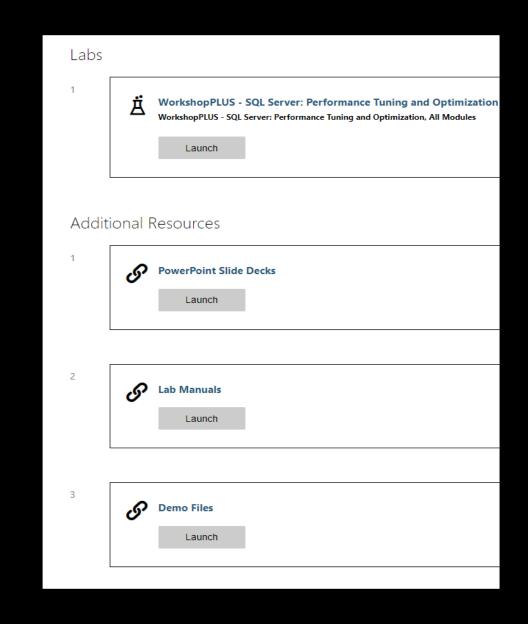
M10L01Lab01 - Lightweight Query Profiler (10)

M10L02Lab01 - Extended Events (30)



Class Resources

Virtual Lab Environment, Slides Decks, Lab Manuals, and Demo Files



Faleminderit Shukran Chnorakaloutioun Dankie Blagodaria Hvala Tak Dank u Tänan **Merci** Danke Kiitos Ευχαριστώ Děkuji A dank Köszönöm Takk Terima kasih Mahalo תודה. Dhanyavād Grazie Grazzi

Thank you!

Дякую

Хвала

Diolch

Kop khun Teşekkür ederim

Ďakujem

Tack

Nandri

