SQL Server: Optimizing Stored Procedure Performance – Part 2
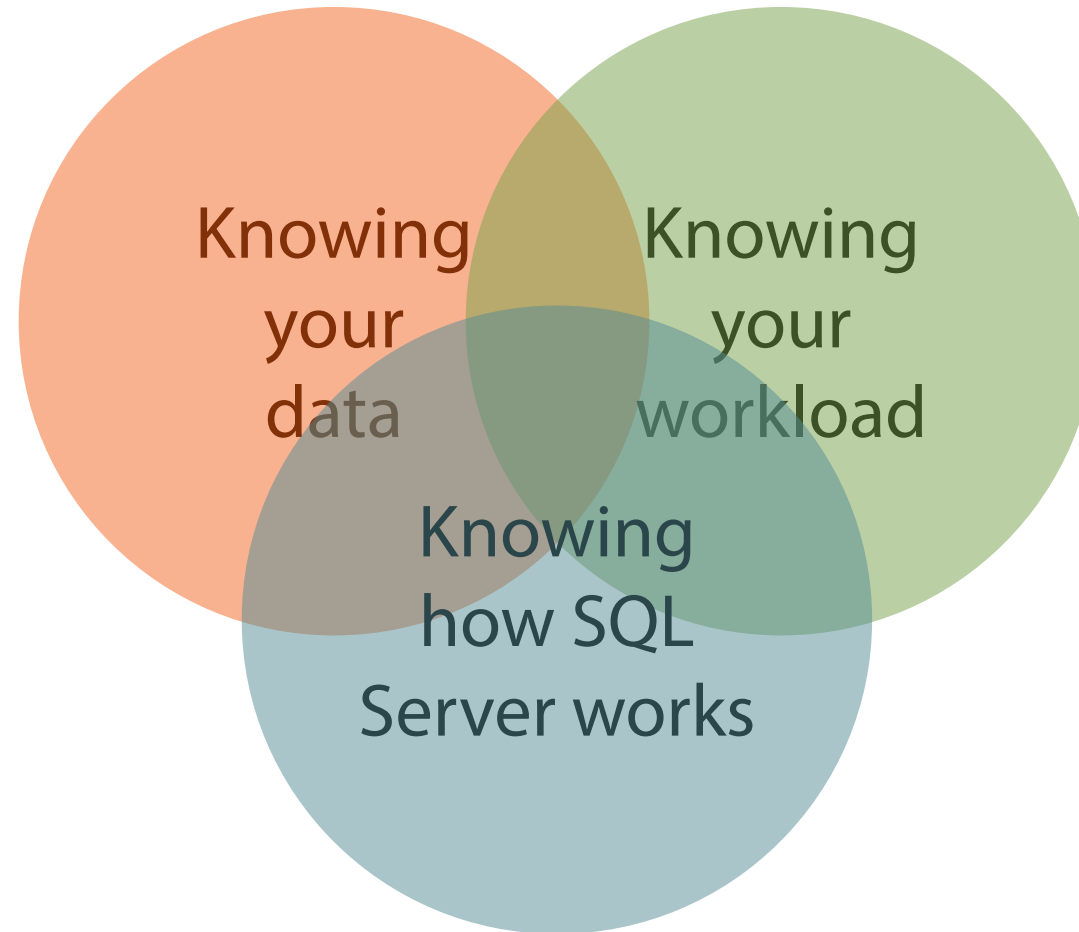
Introduction

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What This Course Covers

Course objective

Build on the knowledge from part 1

Factors that can influence performance

Points to bear in mind

Details

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More considerations around stored procedure performance

More common problems that you might encounter

More troubleshooting techniques to resolve what the problem is as well as how to solve it!

This course expects basic knowledge of database terminology

This course applies to all editions of SQL Server 2005 onward and includes discussions on SQL Server 2014 with version-specific exceptions

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The application environment

Inconsistent session settings / application settings

Performance-related features and requirements

Features that require recompilation

Outside influences such as resource governor

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Truly scalable applications don't happen by accident

There is no platform (or default) that's perfect for every possible use case

There is no single method for writing stored procedures that works well ALL THE TIME and requires minimal to no work

What We're NOT Going to Cover

This is not a course on how to create a stored procedure

This is not a course on how to write or re-write the Transact-SQL of a stored procedure to get a faster result

This is not a course on indexing

This is not a course on statistics

This is not a course on extended stored procedures or SQLCLR assemblies

Course Order

Please try to watch these courses in order:

1) *SQL Server: Optimizing Ad Hoc Statement Performance*

  - Covers estimates, cost-based optimization, and statistics

2) *SQL Server: Optimizing Stored Procedures Performance–Part 1*

  - Covers creation, optimization, compilation and caching, and recompilation

3) This course: *SQL Server: Optimizing Stored Procedures Performance–Part 2*

  - Covers session settings, resource governor, performance-related features, some special features, and other considerations

Course Focus and Structure

Module 2: Session Settings

Module 3: Special Considerations

Module 4: Troubleshooting Techniques

Consider watching all components of this course – in order

What This Module Covered

Performance tuning in SQL Server

What the course does and doesn't cover

Course structure