

# SQL Server Performance Tuning and Optimization Clinic

## Proactive Operations Program

**Duration:** 4 Days | **Focus Area:** Performance and Scalability

This course will provide you a unique opportunity to work with a SQL Server Subject Matter Expert (SME) on performance tuning and optimization of specific SQL Server instances from your environment. It also provides the knowledge and skills to cover examining baselining for performance, identifying costly queries, understanding

wait statistics, examining bottlenecks, implementing SQL Server best practices. This workshop is targeted at database administrators and developers who are responsible for the developing, tuning, supporting, configuring and maintaining of SQL Server.

### OUTCOMES

Our engineers will walk you through a detailed report that identifies and explains the discovered performance issues and recommendations for improvement.

# 01

## Develop a Plan

Our tools will inspect queries and configuration to identify issues impacting performance.

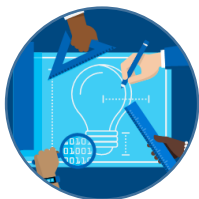
# 02

## Detailed Report

Documented, prescriptive guidance outlining the performance issues and recommendations for improvement.

### CAPABILITIES

The SQL Server Performance Tuning and Optimization Clinic service seeks to identify root cause and optimize the performance.



### OUR EXPERTISE

With deep expertise in SQL Server Customer engagement, we can provide industry best practices.



### PROVEN METHODOLOGIES

Microsoft uses proven practices, methodology, and innovative tools.

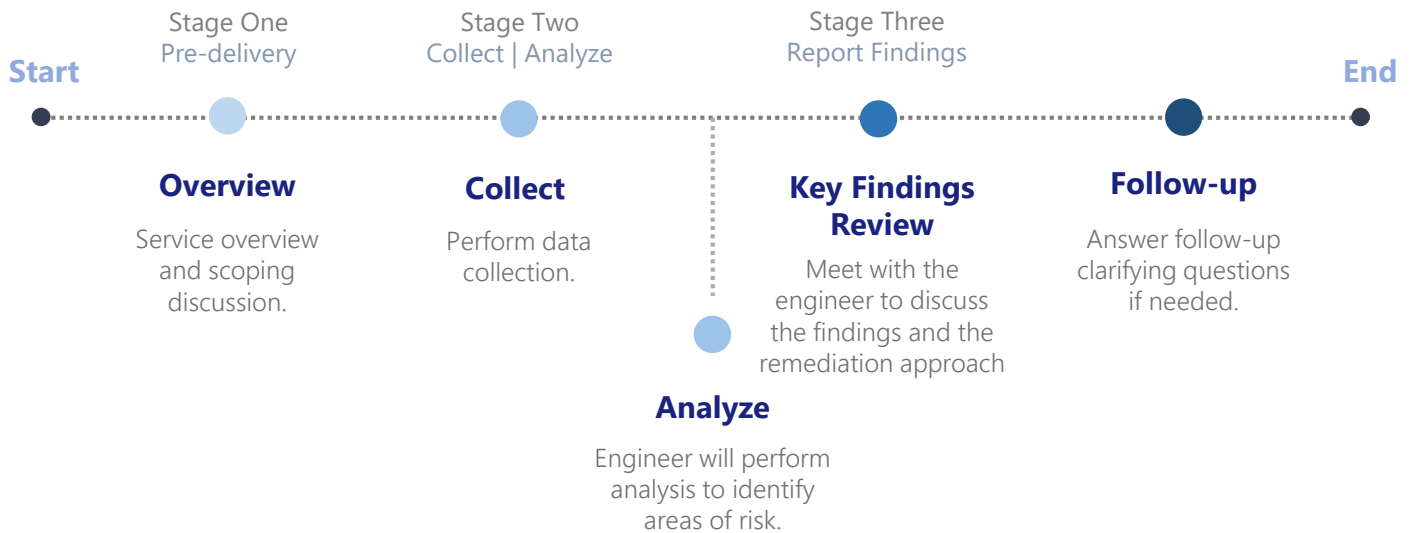


### OPTIMAL OUTCOMES

Microsoft Premier Field Engineering services aim to provide the best insights from across the field.

## SCOPE

Duration: 4 days



## ADDITIONAL DETAILS

### Technical Highlights

After completing this service, you will be able to:

- Implement performance baseline monitoring.
- Perform efficient analysis of performance data.
- Understand how to read and analyze SQL Server query plans.
- Troubleshoot SQL Server performance problems.
- Identify the symptoms and causes of poor performance.
- Apply the correct performance monitoring tools to a specific symptom.
- Isolate the cause of specific performance degradation.
- Obtain the tools and skills necessary to probe into SQL Server and Windows error log data.
- Learn new techniques and tools to better handle common SQL Server challenges whether it is performance analysis, stress testing, cluster, and so on.

### Agenda

A Clinic will run for four days. For reference, a typical four days Clinic will run as below:

- **Day 1 (remote/onsite):** A session to cover tools, configuration and architecture of systems to be monitored during the rest of the clinic, followed by data collection.
- **Days 2-3 (remote/onsite):** Hands-on application of knowledge, methodologies and skills for gathering performance data, analyzing performance data, and crafting appropriate resolutions on the customers' systems.
- **Day 4 (remote):** Report writing. The report lists the tools that were used, the findings, and the recommendations.

**Recommended Qualifications:** It is preferable that the customers that request this engagement have previously attended the SQL Server Performance

Tuning and Optimization Workshop, the SQL Server Features and Administration Workshop, or received a SQL Server Remote Assessment.

**NEXT STEPS:** If you are interested in SQL Server performance troubleshooting service for your organization, contact your Microsoft Account Representative.