

# Performance and Scalability



## Overview

**Taking advantage of the hardware resources of the Microsoft® Technology Center (MTC) and the MTC's interdisciplinary team of architects, the Performance and Scalability proof-of-concept workshop (Performance POC) is an opportunity to address performance and scalability concerns in a potential Microsoft solution. Using Microsoft performance-testing tools and the hardware resources of the MTC, we work with your team to evaluate the performance and scalability of proposed solution approaches. This evaluation helps remove uncertainty from a purchasing decision and makes deployment costs more predictable.**

During performance testing, we run your solution architecture in a realistic hardware environment and against a typical data load. In this way, we can measure the solution's performance and identify the factors limiting the solution's potential for performance and scalability. We then work with your team to implement and assess the efficacy of proven best practices for resolving solution bottlenecks.

For this engagement you will need to bring a working solution prototype (including source code), data from a production-size database, and technical resources capable of building and deploying the application. We provide the hardware; a development suite; and technical experts in the areas of application development, database, and infrastructure optimization.

## Objectives

The Performance POC engagement is designed to help you with capacity planning, hardware sizing, and performance optimization. It can help you answer such questions as:

- What kind of hardware is needed to support my projected load?
- Can my application survive peak traffic periods?
- How can I add capacity to an existing implementation?
- Where are the performance bottlenecks and how can they be addressed?
- How does my application perform on a 64-bit platform?

## Deliverables

At the conclusion of the workshop, your development team will have gained working knowledge in the following areas:

- Test scripts for performance-testing the application.
- Tools for capacity planning for your application.
- Managing and securing an application.

## Microsoft Products/Methodologies Involved

Some or all of the following may be involved in the engagement:

- Windows Server®
- Microsoft SQL Server®
- Microsoft Visual Studio® Team System
- Microsoft BizTalk® Server
- Microsoft Internet Security and Acceleration Server
- Microsoft Operations Manager

## Contact Information

To schedule a proof-of-concept workshop, contact the Microsoft Technology Center in your area:

Atlanta • Bangalore • Beijing • Boston • Chicago • Dallas • Dubai • Dublin • Irvine • Munich • New York • Paris • Reston  
• Silicon Valley • Taipei • Thames Valley (UK)