

Optimize and Secure Your Core Infrastructure



Overview

With IT services in large and global organizations considered mission-critical and being incorporated into business processes, the needs for higher service levels, quicker delivery of new services, and varied access mechanisms grow ever higher. These needs are dovetailed with the everyday mantra of “do more with less,” requiring IT to deliver core services with increasing efficiency. In addition, for the technical decision maker, securing the enterprise is paramount, given that business users require access to major applications regardless of location or device. Core IT services now require delivery against defined service levels, enable efficiency through optimized infrastructures, and deliver the information that business users need to help drive results—all while keeping information safe and secure.

Objectives

At the Microsoft® Technology Center (MTC), the following are the objectives for an architecture design session (ADS) with a focus on business drivers and their impact on the infrastructure and security. A proof-of-concept (POC) workshop in an MTC lab is where a specific architecture is validated.

- *Deploy an infrastructure based on the Microsoft server product portfolio:* Help reduce the cost of ownership and help ensure an exact fit to your business needs. With the increased scalability and performance gained from Microsoft server software, you can support more users and process more transactions, on a more streamlined infrastructure. Create an appropriate virtualization strategy for all areas inside your infrastructure by using the components of the Windows Server® 2008 operating system and Microsoft Virtualization solutions.
- *Ensure predictable and reliable performance:* Implement tested architectures based on knowledge from Microsoft product groups and their deployment experience.
- *Gain a simplified and integrated management infrastructure:* Learn how the Microsoft System Center family of products, coupled with proven operational practices of the Microsoft Operations Framework, can help increase service delivery. The outcome of a POC or ADS will help you proactively manage your IT environment by capturing and aggregating knowledge about your infrastructure, policies, processes, and best practices, which will help your IT department deliver the level of services needed to support the business.
- *Develop and increase agility:* By employing industry-proven maturity models, you can self-assess service delivery areas and plan efficient strategies to increase service levels. At the same time, you can increase your ability to respond to changes that have a significant impact on business growth areas. Utilize advances in virtualization and remote application access technologies to optimize and reduce dependencies, while understanding how to manage the appropriate use of disruptive technologies in the enterprise.
- *Ensure security:* With architects experienced in security principles, the MTC provides prescriptive guidance on assessing security risk, implementing security technologies that offer in-depth protection against attacks, and giving your IT professionals central visibility and control of the security environment.

Microsoft Products/Methodologies Involved

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

- Active Directory® and identity management
- Windows Server with Hyper-V™
- Microsoft Forefront™
- Microsoft System Center:
 - System Center Operations Manager
 - System Center Configuration Manager
 - System Center Virtual Machine Manager
 - System Center Data Protection Manager
- Secure Web services
- Patterns & Practices

ARCHITECTURE DESIGN SESSION	PROOF-OF-CONCEPT WORKSHOP
<p>OVERVIEW</p> <p>This intensive, two-day session delivers in-depth, technical information on optimizing and securing your core infrastructure. Architecture design demonstrations and whiteboard discussions are customized to address your organization's needs. The purpose of this session is to design a solution that standardizes and rationalizes your organization's infrastructure by consolidating services on fewer servers, and then provides the processes, technologies, and guidance to help you manage those servers.</p>	<p>OVERVIEW</p> <p>This two- to three-week workshop pairs our experts with your infrastructure team as they work side by side, transferring operational best practices. A proof-of-concept workshop will ensure that you feel confident that the Microsoft technology solution can help your organization meet its business goals. Your engagement can include detailed demonstrations, hands-on training sessions, and the development of a working prototype.</p>
<p>DELIVERABLES</p> <p>During the architecture design session, we will plan a high-level architecture framework and conceptual design for a solution based on your organization's business goals and technical requirements. In addition to a written summary of the engagement, you will also have acquired information around:</p> <ul style="list-style-type: none"> • Efficient server deployment, monitoring, and configuration management. • Capacity planning and virtualization. • Server consolidation. • Securing a high availability infrastructure. • Supporting open standards—Web services and WS-*, Electronic Data Interchange (EDI), Society for Worldwide Interbank Financial Telecommunication (SWIFT), Health Insurance Portability and Accountability Act (HIPAA), and RosettaNet—and enable cross-platform interoperability. <p>The MTC team will provide an engagement report that documents the results.</p>	<p>DELIVERABLES</p> <p>At the conclusion of the workshop, your development team will have gained working knowledge in the following areas:</p> <ul style="list-style-type: none"> • Building a solution that scales to the enterprise using the Windows Server System Reference Architecture and best practices. • Understanding how virtualization affects your environment, the most appropriate virtualization solutions, and how to effectively manage infrastructure services delivery using a virtualized environment. • Efficiently managing a Windows Server-based environment through monitoring, software deployment, and patch management. • Implementing server consolidation strategies. • Plan for server capacity for virtualization. • Managing a Windows-based environment using Microsoft Operations Framework processes. • Ensuring that your infrastructure is secure.
<p>PRIMARY AUDIENCE</p> <ul style="list-style-type: none"> • Technical decision makers • Chief information officers • Chief technology officers • IT managers • Technical analysts • Business analysts 	<p>PRIMARY AUDIENCE</p> <ul style="list-style-type: none"> • Technical staff • Technical leads • Operations engineers • Infrastructure architects

Contact Information

To schedule an architecture design session or 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)