

# Microsoft Server Virtualization and Systems Management

## Top 10 Benefits

### 1. Reduce Costs Through Consolidation

The combination of the Microsoft virtualization and management solutions can let you run the applications you currently have—whether Microsoft or VMware — on a reliable and powerful infrastructure, saving you downtime, additional costs, and administrative overhead. You can consolidate essential business workloads to reduce physical server sprawl and support your business with less cost. In addition to helping reduce its environmental footprint, your organization can benefit from lower power, cooling, and management costs.

### 2. Fit Your Budget

Microsoft virtualization and management products are priced so that you can purchase only what you need and add on as your business grows.

Although Hyper-V, System Center Virtual Machine Manager, and System Center Essentials are designed to work together, each offers excellent benefits.

- **Hyper-V:** a feature of Windows Server 2008.
- **System Center Virtual Machine Manager 2008:** powerful virtual systems management, especially for systems running on Hyper-V platforms.
- **System Center Essentials 2007:** powerful management for physical & virtual systems and, when run with Hyper-V and Virtual Machine Manager, provides enhanced management of virtual machines.
- **Multi-vendor virtualization platform support:** comprehensive support for VMware VI3 included moving virtual machines among virtual hosts with no downtime via VMotion, through integration with VMware's Virtual Center.

### 3. Use the Windows® You Know

While other products on the market require you to purchase, deploy, and train on an entirely new infrastructure, Microsoft empowers you to keep the tools you have and know. These virtualization and management solutions from Microsoft are designed to work together and with other virtualization platforms, providing administrators with a familiar environment so they can take advantage of existing skill sets and training — which, in turn, can lower total cost of ownership.

### 4. Count on Interoperability

The Microsoft virtualization platform provides small and mid-sized businesses with a much greater offering and can help troubleshoot extremely difficult issues that may or may not be the result of running under virtualization. In fact, Microsoft solution provides support for virtual machines running on VMware ESX infrastructure and Microsoft® Virtual Server. Many other vendor's products on the market only manage the virtualization aspects of the vendor's target host servers and virtual machines.

## 5. Unify Your IT Management Experience

Microsoft® solutions for virtualization provide you with the tools to both virtualize your IT infrastructure and manage virtual and physical environments. While some competing products manage only virtual resources, you can use these integrated Microsoft products to manage both physical and virtual resources.

## 6. Speed up Routine IT Tasks

Convert a running server to a virtual machine at disk speed, saving time and reducing complexity. Deploy virtual machines in hours or days instead of weeks or even months. Microsoft® System Center Essentials 2007 provides integrated patch management for Microsoft and other technologies.

With System Center Essentials 2007 and Microsoft® System Center Virtual Machine Manager 2008, you can provide end-to-end physical and virtual management environments using familiar Microsoft technology.

## 7. Scale and Extend as Needed

With multi-vendor virtualization platform support, support for multiple processors and cores at the host level and improved memory access within virtual machines, Windows Server 2008 with Hyper-V™ can scale your virtualization environment to support a large number of virtual machines within a given host and continue to capitalize on quick migration for scalability across multiple hosts.

## 8. Get Up and Running Fast

Deploying the Microsoft integrated server virtualization and systems management solution couldn't be easier; the smart setup checks for prerequisites to help ensure that you have a smooth and successful installation. You can quickly complete post-installation configuration using three simple wizards. Using the Active Directory® Domain Services (AD DS) integration built into Windows Server 2008, you can manage a computer, server, or other device automatically the moment it's added to your environment without any intervention. Your Microsoft system is up and running in a fraction of the time it could take to deploy competing products.

## 9. Depend On a Highly Secure and Reliable solution

Hyper-V is a microkernelized hypervisor architecture designed to minimize attack surface and enhance security. The hypervisor contains no device drivers or third-party code, promoting a more stable, thin, and secure foundation for running virtual machines (VMs). Integrating manageability through System Center Virtual Machine Manager 2008 also helps ensure reliability and value.

## 10. Ensure Business Continuity

Thanks to powerful features such as Live Backup and Quick Migration, Microsoft virtualization and management reduces time lost to routine functions, such as maintenance and backup, in addition to unanticipated outages. Hyper-V also provides support for disaster recovery within IT environments and across data centers and multi-vendor platforms.

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