

## End-to-End Virtualization

**Microsoft**  
**GOLD CERTIFIED**  
Partner



## Microsoft Solutions

Separating computing layers enables much greater flexibility in every aspect of your IT infrastructure. It lets hardware and software be used in more diverse ways and makes both easier to change. In addition, it secures your IT systems by isolating problem areas, simplifying tasks and eliminating previously unsolvable problems that plague IT every day.

### Virtualization Management

Virtualization management enables you to realize the full promise of virtualization while minimizing its risks. Most importantly, it employs a unified system for managing all virtual and physical assets. By using comprehensive virtualization management technology, you keep complexity at a minimum and streamline operations. A common virtualization management environment reduces required training, ensures uniform policy application and simplifies maintenance.

### Presentation Virtualization

Presentation virtualization isolates processing from the graphics and I/O, making it possible to run an application in one location but have it be controlled in another. It creates virtual sessions, in which the applications executing project their user interfaces remotely. Each session might run only a single application, or it might present its user with a complete desktop offering multiple applications. In either case, several virtual sessions can use the same installed copy of an application.

Microsoft Terminal Services virtualizes the presentation of entire desktops or specific applications, enabling your customers to consolidate applications and data in the data center while providing broad access to all users.

### Application Virtualization

Application virtualization separates the application configuration layer from the OS. It enables applications to run on clients – including desktops, servers and laptops – without being installed, and to be administered from a central location. This has huge implications for everything from patch and upgrade management to deploying and terminating applications.

Microsoft Application Virtualization transforms applications into centrally-managed virtual services that are never installed and don't conflict with other applications. It streams applications on-demand to desktops, servers and laptops.

### Server Virtualization

Microsoft enables you to realize the benefits of server consolidation and provisioning without the risk of added complexities and inefficiencies. Using System Center Virtual Machine Manager, you can automatically determine which servers are the best candidates for virtualization, convert them to virtual machines and provision them to the right hosts in minutes, rather than the weeks or months it takes to procure and configure physical servers manually. With Virtual Server 2005 R2, you can eliminate underutilized physical servers. You will also be able to use Windows Server 2008 Hyper-V™ to increase server infrastructure flexibility and security while saving time and reducing costs. There is also guest OS support for SUSE Linux and Red Hat Linux.

## Desktop Management

Customers who want to virtualize Windows and centrally manage client environments can license Windows Vista Enterprise Centralized Desktop (VECD). It provides familiar Windows client experiences in virtual machines centrally located on a server. Customers can use this unique licensing to deploy Windows desktops in static mode, where each user has his/her own dedicated VM on the server. Customers can also use it to deploy Windows in dynamic mode where, instead of having to manage many dedicated images, a customer supports one image that is automatically replicated as needed for users. This makes it easier to manage the VMs and dynamically provision your desktop environments, helping to reduce maintenance and support costs.

## Storage Virtualization

Storage virtualization provides a logical, abstracted view of physical storage devices. It provides a way for many users or applications to access storage without being concerned with where or how that storage is physically located or managed. It enables the physical storage in an environment to be shared across multiple application servers, and physical devices behind the virtualization layer to be viewed and managed as if they were one large storage pool with no physical boundaries.

## Phased Approach

We take a phased approach to your End-to-End Virtualization projects, with set milestones based on best practices. These phases are based on Microsoft's proven approach to technology projects, the Microsoft Solutions Framework (MSF). This is how it works:

**Assess:** Help identify your business drivers, review your current environment and develop an initial logical design for the new environment. The phase concludes with a milestone where you approve the vision and scope, based on the business case.

**Design:** Our experts work closely with your staff to refine the design for the new environment. At the end of this phase we re-examine the business case to ensure the design aligns with the desired goals.

**Plan:** Once the infrastructure design is complete, our team guides your staff through the implementation options and documents the detailed plans.

**Build:** With the plans completed, we help test the infrastructure design, implementation strategy, systems management design and operations plan in a test lab.

**Stabilize:** Our team helps define a detailed release-management plan and sets up a pilot environment to further stabilize the final solution.

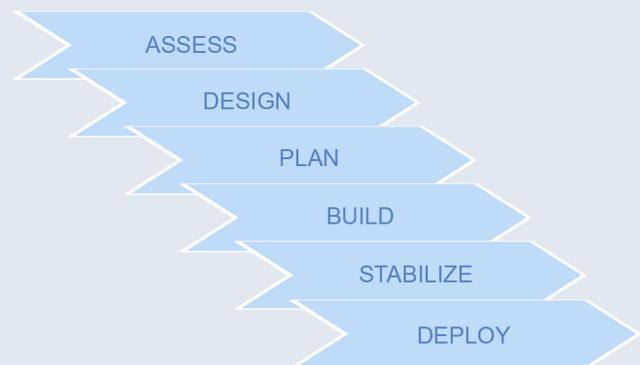
Windows Storage Server integrates with existing infrastructures and supports heterogeneous file serving as well as backup and replication of stored data. Windows Storage Server is also used for consolidating multiple file servers into a single solution that enables cost reduction and policy-based management of storage resources.

## Network Virtualization

Network virtualization can be used to describe a number of different things. The most common is the idea of a virtual private network (VPN). VPNs abstract the notion of a network connection, allowing a remote user to access an organization's internal network just as if she were physically attached to that network. Network virtualization can help protect IT environments from Internet-based threats while providing users with fast and secure remote access to applications and data.

Internet Security and Acceleration (ISA) Server and Internet Application Gateway (IAG) are secure remote access solutions that provide customers with controlled access, infrastructure protection, and information safeguards for corporate applications and data from virtually any device or location.

### Phased Project Approach



**Deploy:** The core technology and site components are deployed and the project is transitioned to operations and support. After the deployment, the team conducts a project review and a customer satisfaction survey.

## Not Sure Where to Begin?

Let us help. We can assess your current environment, help map strategic business goals to the capabilities offered in our Microsoft Solutions for End-to-End Virtualization and help establish your end-state vision for implementation. For more information contact us at [mssolutions@prosysis.com](mailto:mssolutions@prosysis.com) or contact your local ProSys representative.