

Virtualization with VMWare

When it comes to choosing virtualization solutions for your business, you need to choose a company that you can trust. Out of all the respected virtualization solutions available, VMware has been commercially available for the longest time—that means that they are able to offer your business battle-tested solutions that work, even under fire.

As with Microsoft and Citrix virtualization solutions, VMware offers solutions for servers, desktops and applications as well as a virtualization management solution.

Server Virtualization

VMware Server is a free application that allows multiple operating systems to run concurrently on a single Windows platform host server. Key features include the following:

- Pre-constructed virtual machines are ready for immediate use.
- Virtual server construction is quick and easy.
- Virtualized legacy operating systems such as Windows NT can run on newer hardware.
- Support for multiple servers is limited only by the available RAM and processor power of the host server.

VMware ESXi is a premier server virtualization solution that runs on a “bare metal” server platform. When a bare metal server is used as the host server, it doesn’t require an operating system. ESXi offers the following benefits:



- Reduced upfront cost to get the host server outfitted—not needing to purchase an operating system saves money.
- Dynamic resource allocation allows the host server to assign memory and processor power to virtual machines as needed—this decreases the total RAM and processor power that the host machine must have. Once again, costs are cut because the virtual machines will share the same cache of RAM and processor power.
- Integrated compatibility feature enables an ESXi host server to work with external storage arrays such as a NAS or a SAN to support a larger number of virtual servers.

Desktop Virtualization

VMware Player is terrific, free product that is designed for users to safely test and evaluate operating systems and applications without impacting the IT environment. While the program has limited professional support, VMware provides a tremendous amount of documentation and information on their website.

VMware Fusion is designed to run virtualized operating systems on a Macintosh workstation

- While this program is not free, it offers the same features of VMware player, for Macintosh operating systems.
- Even though this solution is primarily marketed as a way to run Windows operating systems on dependable Mac hardware, it can also support Linux, Unix, Solaris and Novell.

VMware Workstation is a solution that is guaranteed to support more operating systems than any other desktop virtualization solution. This solution will allow users to virtually host any



operating system that their desktop computer can support. Key features of this solution include the following:

- Virtualized operating systems feel like the “real deal.” Accessing and using a virtualized operating system is as easy as opening any other application installed on your desktop.
- Virtual workstations are completely independent, and operate like separate workstations.

VMware ACE (Assured Computing Environment) creates and centrally manages virtual machines and any desired applications that can be installed on any hard drive and transported anywhere.

- ACEs can be installed on desktops, laptops, portable hard drives and USB storage devices.
- ACEs are great for normal business operations. They can also be set up with expiration dates which will allow your business to share proprietary data with partners, contractors and temporary employees, but will guarantee that they don't have permanent access to your intellectual property.

VMware View lets you control all virtualized desktops and applications from a single desktop.

Key features include:

- Quick installation and access of new applications to virtualized desktops through cloning techniques.
- Easy access to virtualized desktops for offsite users.
- Compatible with thin clients and mobile devices.

Application Virtualization



VMware ThinApp is a virtualization suite that creates portable software that is always available and does not require a continuous connection to a host server for support. Features include the following:

- Applications, settings and preferences are packaged into a single executable file.
- Applications can be accessed on most computers including public computers and smart phone.
- Virtualized programs do not need device drivers.

Virtualization Management

VMware vSphere is designed to manage the entire VMware environment .Utilizing vSphere as part of your virtualization solution will deliver higher availability and reliability to all virtualized components through administrative tools and advanced features.

- Centralized patch management will keep all virtualized servers and workstations automatically updated.
- Virtualization solution performance monitoring will notify you if there are any possible problems
- Easy migration makes it quick and painless to transfer machines and applications from a physical to a virtual environment.
- Physical host servers that run ESXi will transfer services from one virtual machine to another in case of system failure.



Learn more

To discover more about how VMware's virtualization solutions can help your company, please call the virtualization experts at All Covered at 866-446-1133.