

EMC® Virtual Desktop Solutions for VMware® Environments

AT A GLANCE

VMware® View™ allows IT to simplify and automate the management of thousands of desktops and to securely deliver desktop as a service to users from a central location with levels of availability and reliability unmatched by traditional PCs. By delivering secure access to applications and data to any device, when and where the user needs it, VMware View provides end users with the highest levels of mobility and flexibility.

EMC simplifies VMware View deployments and reduces risk by providing proven solutions, comprehensive consulting services, and advanced storage, security, and data protection. Targeted solutions for clinical healthcare, Windows® 7 migration, and other usage models help businesses transform desktop delivery while simultaneously addressing specific business and IT challenges.

Key Benefits

Simplify Management and Increase Control

Easily manage tens of thousands of end-users from a centralized administrative interface. Streamline key IT processes such as provisioning, configuration management, connection brokering, policy enforcement, performance monitoring and application assignment. Increase security and compliance by moving data into the data center, centrally enforcing endpoint security and policy configuration and streamlining antivirus processes.

Reduce Total Cost of Ownership (TCO) up to 50%¹

Do more with less resources, time and money. Centralizing desktop infrastructure with VMware View makes it faster, easier and less costly for IT staff to provision, maintain and monitor desktop images across their entire life cycle. Decrease support calls and reduce end-user downtime for improved overall workplace productivity.

IDC Research reports that VMware View customers have been able to lower the total cost of ownership for their desktop infrastructures by 50 percent, saving more than \$500 annually per user.¹

Deliver a Better Desktop Experience

VMware View delivers users the best PC experience across locations and devices. VMware View with PCoIP adapts to the end-users network connection to provide a high-quality customized desktop experience over the LAN and WAN. Users can flexibly connect to their View desktop from a variety of devices including desktops, thin or zero clients, and mobile devices. Mobile end-users can access their View desktop even when disconnected from the network. View delivers maximum productivity for all types of end-users and provides support for 3D graphics rendering, unified communications, and service continuity even in the event of high packet loss, as well as multi-monitor and rich media capabilities. This results in a seamless user experience that combines the best of VDI and client virtualization.

Simplify and Standardize on the Industry-Leading Platform

VMware View is built on the industry-leading VMware® vSphere™ virtualization platform, providing unparalleled performance, scalability, reliability and availability for virtual desktop environments. Your organization can standardize on a single common platform for your entire IT infrastructure, from the desktop to the data center, to enable private and public cloud-based desktop services.

Accelerate Time to Value with EMC Proven Solutions

EMC provides proven solutions and comprehensive services for VMware View to help customers reduce costs while ensuring strong security, integrated management, high-performance at scale, and simplified Windows 7 migration. EMC Solutions for VMware View deliver the most scalable solutions for environments of every size and scale.

EMC reference architectures and best practices provide a strong foundation for customers' desktop virtualization strategies. A key inhibitor for customers when considering desktop virtualization is the perceived risk of deployment. Fully validated EMC® Proven Solutions eliminate risk almost entirely; ensuring service levels are met while supporting your business and technical objectives.

Solutions

Healthcare – The EMC® Virtual Desktop Infrastructure Solution for Healthcare improves clinical workflows and patient safety by providing immediately-accessible, always-available desktops and other device types that follow clinicians wherever they go. Applications and patient data can be securely accessed from any device, with instant login/authentication, increased data security and IT control, elastic scalability, and reduced operational costs.

Windows® 7 Migration – EMC has helped customers reduce cost and risk for millions of Windows 7 desktop migrations by providing Proven Solutions, comprehensive Consulting Services, and advanced storage, security, and data protection technologies. VMware® ThinApp™ provides a critical tool for resolving application incompatibilities. VMware View provides targeted support for simplifying and automating migration, unlocks user information from their device, and gives users the freedom to access anywhere, any time, on any device.

What's Included in VMware View

VMware® vSphere™ Desktop

Designed specifically for desktops, this edition of VMware vSphere provides a highly scalable, reliable and robust platform for running virtual desktops and applications, with built-in business continuity and disaster recovery capabilities to protect desktop data and availability without the cost and complexity of traditional solutions.

VMware® vCenter™ Server for Desktops

This edition of VMware vCenter Server is the central management hub for VMware vSphere and gives you complete control and visibility over clusters, hosts, virtual machines, storage, networking and other critical elements of your virtual infrastructure.

VMware® View™ Manager

View Manager enables IT administrators to centrally manage thousands of virtual desktops from a single image to streamline the management, provisioning and deployment of virtual desktops. In addition, end-users connect through View Manager to securely and easily access VMware View virtual desktops.

VMware® ThinApp™

VMware ThinApp is an agentless application virtualization solution that streamlines application delivery while eliminating conflicts. As part of VMware View, ThinApp simplifies repetitive administrative tasks and reduces storage needs for virtual desktops by maintaining applications independently from the underlying OS.

VMware® View™ Persona Management

Personal Management dynamically associates the user persona to stateless floating desktops. Administrators can easily control and implement pools of stateless, floating desktops and allow users to maintain their designated settings between sessions.

VMware® View™ Composer

VMware View Composer lets customers easily manage pools of “like” desktops by creating gold master images that share a common virtual disk. All cloned desktops linked to a master image can be patched or updated through VMware View Manager by simply updating the single master image, without affecting users’ settings, data or applications.

VMware® View™ Client

Enables access to centrally hosted virtual desktops from Windows PCs, Macs, thin clients, zero clients, iPads, and Android-based clients. View Client with Local Mode allows access to virtual desktops running on a local Windows-based endpoint regardless of network availability.

VMware® vShield™ Endpoint

Offloads and centralizes antivirus and anti-malware (AV) solutions, eliminating agent sprawl and AV storm issues while minimizing the risk of malware infection and simplifying AV administration in virtualized environments.

What's Available from EMC

Optimized EMC Storage

EMC® VNX™ Unified Storage is highly optimized for VMware environments. It includes advanced technologies, such as EMC FAST VP (Fully Automated Storage Tiering for Virtual Pools) and EMC FAST Cache, which help to ensure high performance at scale.

EMC has developed solutions that leverage Flash drives and FAST VP technology to help reduce storage requirements while scaling to thousands of virtual desktop users. Customers can leverage EMC FAST VP and FAST Cache to optimize storage performance for virtual desktop environments.

When data becomes active, then FAST VP automatically moves only these “hot” chunks to a higher tier like Flash. As data cools, FAST VP also correctly identifies which chunks to migrate to lower tiers and proactively moves them. Working at the storage pool level, FAST VP provides granular tiering, that reduces storage acquisition costs while at the same time improves performance and response time.

EMC Plug-ins for VMware vCenter

Administrators can quickly and easily allocate and reclaim storage, deploy virtual desktops based on snapshots, and plan for growth.

RSA® Security® and Compliance Solutions

Options include:

- **RSA® SecurID®** for secure access to VMware View with dual-factor authentication
- **RSA Archer** for managing security policy (mapped to regulations, such as HIPAA), compliance measurement, remediation, and reporting
- **RSA® enVision®** for collecting and correlating security event information and prioritizing alerts

Reference Architectures

EMC provides validated reference architectures, deployment and optimization guides for VMware View environments to help customers simplify implementation and reduce both cost and risk.

Support and Professional Services

EMC offers full support and comprehensive consulting services for VMware View-based solutions, including storage assessment, virtual desktop design and implementation, business justification, Windows 7 migration, data center integration, and more. Enterprise-class service and support is also available directly from VMware.

Find Out More

To learn more about the EMC and VMware Alliance, visit www.vmware.com/solutions/partners/global-alliances/emc/emc-solutions.html





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¹IDC Research, "Quantifying the Business Value of VMware."

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