VMware Horizon 6

Extend the power of virtualization from the data center to devices. VMware Horizon® 6 delivers virtualized or hosted desktops and applications through a single platform to end users. These desktop and application services—including RDS hosted apps, packaged apps with VMware ThinApp,® SaaS apps, and even virtualized apps from Citrix— can all be accessed from one unified workspace across devices, locations, media and connections.

Leveraging complete workspace environment management and optimized for the software– defined data center, Horizon 6 helps IT control, manage and protect all of the Windows resources end users want, at the speed they expect, with the efficiency business demands.

WHAT'S NEW

With over 100 new features including just-in-time application delivery and user environment management to support truly stateless desktops Horizon 6 allows organizations to extend the power of desktop and application virtualization to support workplace mobility while driving greater levels of operational efficiency at lower costs.
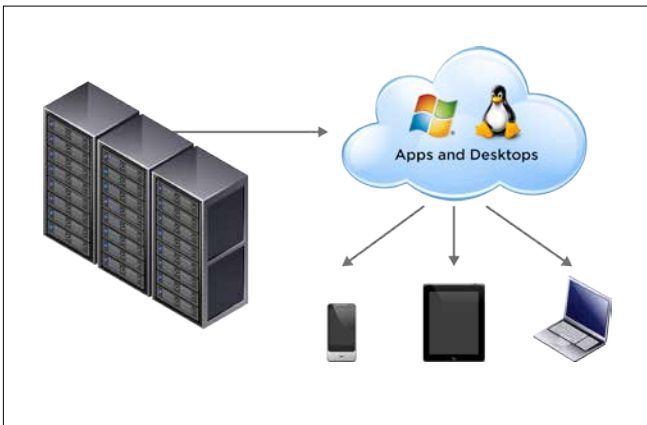

Figure 1. End-to-End Infrastructure

End-User Computing Today

Gone are the days of client-server computing when Windows ruled the day and end users were tasked to do their work from one device and one location. Today, end users are leveraging new types of devices for work—accessing Windows applications alongside non-Windows-based applications, and are more mobile than ever.

In this new mobile cloud world, managing and delivering services to end users with traditional PC-centric tools has become increasingly difficult. Data loss and image drift are real security and compliance concerns. And organizations are struggling to contain costs. Horizon 6 provides IT with a new streamlined approach to deliver, protect, and manage Windows desktops and applications while containing costs and ensuring that end users can work anytime, anywhere, on any device.

Horizon 6: Delivering Desktops and Applications as a Service

Horizon 6 allows IT to centrally manage images to streamline management, reduce costs, and maintain compliance. With Horizon 6, virtualized or hosted desktops and applications can be delivered through a single platform to end users. These desktop and application services—including RDS hosted apps, packaged apps with ThinApp, SaaS apps, and even virtualized apps from Citrix—can all be accessed from one unified workspace to provide end users with all of the resources they want, at the speed they expect, with the efficiency business demands.

Desktops and Applications Delivered Through a Single Platform

Deliver virtual or hosted desktops and applications through a single platform to streamline management, easily entitle end users, and quickly deliver desktops and applications to end users across devices and locations.

Horizon 6 provides a single platform for delivering hosted Windows applications and shared desktop sessions from Windows Server instances using Microsoft Remote Desktop Services (RDS), virtual desktops, and ThinApp packaged applications.

Horizon 6 now supports both Windows as well as Linux-based desktops including RHEL, Ubuntu, CentOS and NeoKylin.

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Unified Workspace with Secure and Trusted Access

With Horizon 6, IT can support real-time validation, streamline identity management across identity sources like active directory and LDAP, and provide end users with contextual and customizable access to resources through a single unified workspace.

Horizon 6 supports 2-factor, smart card and biometric authentication. It is designed and certified to meet the most demanding compliance regulations including those of the Federal US Government.

Desktops and applications that can be securely delivered and accessed through the unified workspace include:

• Horizon virtual desktops

• XenApp 5.0 and later

• RDS-hosted apps and desktops for Windows Server 2008 and later

• SaaS applications

• ThinApp 5.0 and later

• VMware Horizon® Air™ Desktops and Horizon Air Apps

End users can also use single-sign on (SSO) from their Unified Workspace Web app portal to sign in to AirWatch® Web Secure Content Locker™ and to enroll their devices if they are also using Airwatch Mobile Device Management.

Figure 2. Unified Workspace

Great User Experience

Horizon 6 provides end users with a consistently great experience across devices, locations, media and connections. Support more use cases across your organization with feature-rich capabilities and "Blast Performance" that will ensure your end users can be as productive as possible at all times.

Blast Performance includes

• Blast Unity Touch – Intuitive and contextual user experience across devices, making it easy to run Windows on mobile.

• Blast Local Access – Access to local devices, drives. USB, and device peripherals.

• Horizon Clients with Blast – Unified client for consistently great experience across devices and locations.

• Blast Adaptive UX – Optimized access across the WAN and LAN through an HTML browser or our purpose-built desktop protocol, PCoIP.

• Blast Multimedia – High-performance multimedia streaming for rich user experience.

• Blast 3D – Rich virtualized graphics delivering workstation-class performance including support for NVIDIA GRID vGPU with virtual desktops and RDSH hosted applications

• Blast Live Communications – Fully optimized unified communications and real-time audio-video (RTAV) support. Horizon 6 now includes support for Microsoft Lync with Windows 8.
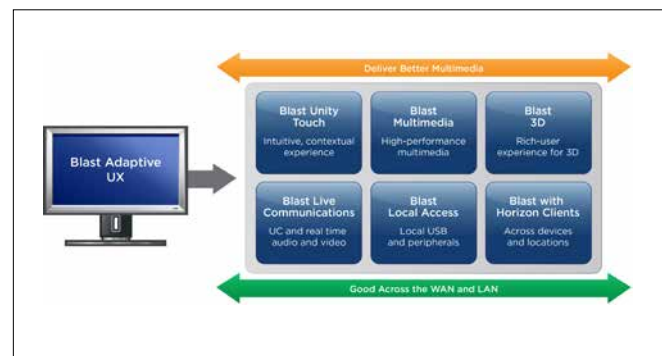

• **Figure 3.** Horizon Blast Performance Delivers an Adaptive Experience across Devices and Locations

Complete Workspace Environment Management

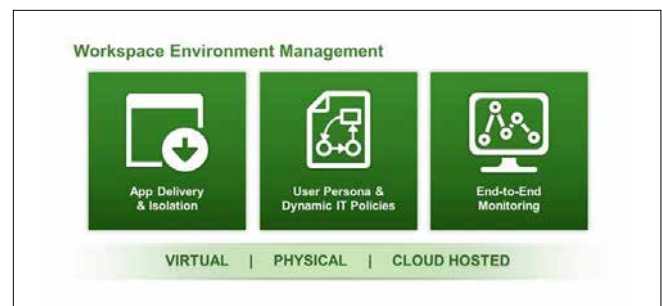Horizon 6 ensures that IT can consolidate control, automate delivery, and protect user compute resources.

Figure 4. Horizon 6 provides complete Workspace Environment Management

Horizon 6 now includes:

User Environment Management and Personalization

VMware User Environment Manager™ offers personalization and dynamic policy configuration across any virtual, physical and cloud based environment.

• Simplify end-user profile management by providing organizations with a single and scalable solution that leverages existing infrastructure.

• Provide end users with quick access to a Windows workspace and applications, with a personalized and consistent experience across devices and locations.

Real-time Application Delivery and Management

• Easily package applications to avoid compatibility issues.

• Instantly provision applications at scale.

• Dynamically attach applications to users, groups or devices, even when users are logged onto their desktop.

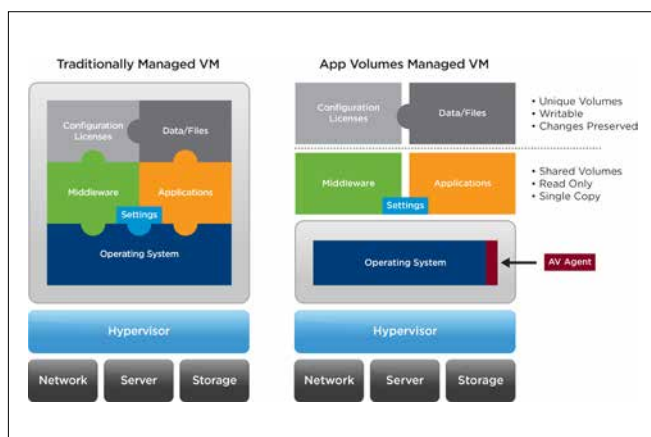• Provision, deliver, update, and retire applications in real time.

Figure 5. An App Volumes Managed VM is virtualized above the OS. Applications, Data Files, Settings, Middleware, and Configuration Licenses act as separate layers.

Image Management

• Support desktop and application provisioning through View.

• Support VMware Mirage™ for streamlined image management across virtual datacenters of physical and full clone virtual machines.

• Update desktops or entire RDSH farm through View Composer with Linked Clones.

• Support optimal RDSH server utilization while providing great user experience.

• Build-the largest, most distributed infrastructure while enabling easy access to virtual desktops or RDSH hosted apps and desktops across geographic locations.

Analytics and Automation

• Cloud analytics with VMware vRealize™ Operations™ for Desktops and Applications provides comprehensive visibility across VMware Horizon and Citrix XenApp environments, allowing IT to optimize the health and performance of desktop and application services.

Orchestration and Self-Service

• vCenter provides a centralized platform to manage your desktop workloads.

• A plug in to VMware vRealize Orchestrator™ to allow IT organizations leverage VMware vRealize Automation™ for automated desktop and application provisioning.

Optimized for the Software-Defined Data Center

Leverage and extend your expertise with vSphere to simply deliver desktop and application workloads. Horizon 6 extends the power of virtualization with virtual compute, virtual storage, and virtual networking and security to drive down costs, enhance the user experience, and deliver greater business agility.

Horizon 6 includes support for VMware Virtual SAN™ with all-flash. Virtual SAN automates storage provisioning and leverages direct- attached storage resources to drive down storage costs for desktop workloads. Customers can also leverage EVO:RAIL™ and EVO™ SDDC™ with Virtual SAN and Horizon to support easy, scalable, and cost-optimized desktop and application virtualization deployments.

From a networking and security standpoint, Horizon with NSX (sold separately) further enables you to quickly and simply set up networking security policy for end users that stays with them across devices and locations regardless of any changes in the underlying physical infrastructure.
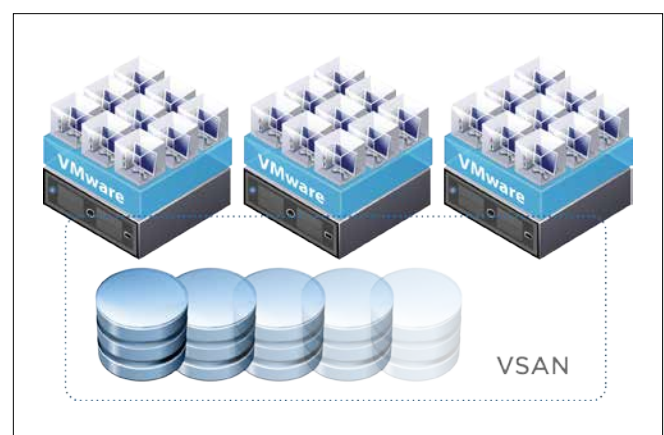

Figure 6. Reduce and scale up TCO wtih Virtual SAN with all-flash

Make the Move Today

Horizon is available onsite through Horizon 6 or as a cloud-hosted service through VMware Horizon Air.

Horizon 6 is available in three editions:

• Horizon View Standard – Simple, powerful VDI with great user experience

• Horizon Advanced – Cost-effective delivery of desktops and applications through a unified workspace

• Horizon Enterprise – Desktops and applications delivered with cloud automation and management

Find Out More

For more information, visit http://www.vmware.com/go/horizon.

For information or to purchase VMware products, call 877-4-VMWARE, visit http://www.vmware.com, or search online for an authorized reseller. For detailed specifications and requirements, refer to the product documentation.

FEATURE	HORIZON VIEW STANDARD	HORIZON ADVANCED	HORIZON ENTERPRISE
Desktops and Applications			
Windows virtual desktops and session based desktops	●	●	●
Linux Desktops			●
Unified workspace – XA, RDSH, SaaS, ThinApp		●	●
Hosted applications (RDSH)		●	●
Packaged applications (ThinApp)	●	●	●
BLAST PERFORMANCE (3D, UC, MMR etc)	●	●	●
WORKSPACE ENVIRONMENT MANAGEMENT			
Image Management			
Image management for physical desktops (VMware Mirage + VMware ThinApp)		●	●
Application Management			
Real-time application delivery (App Volumes)			●
User Environment Management			
User, profile and policy management			●
Cloud Automation			
Cloud automation and self-service (Orchestrator + desktop plug-in)			●
Cloud Analytics and Operations Management			
Operations dashboard – Health monitoring and performance analytics (vRealize Operations for Horizon)			●
Capacity management – Planning and optimization (vRealize Operations for Horizon)			●
INFRASTRUCTURE			
Storage			
Virtual storage (Virtual SAN with all-flash)		●	●
Desktop Infrastructure			
Cloud infrastructure (VMware vSphere® Desktop and vCenter Desktop)	●	●	●

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