

VMWARE HORIZON 7 WHAT'S NEW

Desktop and App Virtualization Reimagined

AT A GLANCE

Simplify the move to the mobile cloud era. Securely deliver and manage Windows or Linux desktops, applications, and online services to end users through a digital workspace across virtual data centers, virtual machines, and physical devices. Provide consistently great end-user experience across locations, media, and connections to improve workplace productivity.

VMware Horizon® 7 goes beyond VDI to provide end users with one place to securely access all their desktops, applications, and online services from any device, everywhere. With Horizon 7, IT organizations can take advantage of closed-loop management and automation, and tight integration with the software-defined data center, to deliver and protect all the Windows or Linux and online resources users want, at the speed they expect, with the efficiency business demands.

Drawing on the best of mobile and the cloud, VMware Horizon 7 offers greater simplicity, security, speed, and scale in delivering on-premises virtual desktops and applications while offering cloud-like economics and elasticity of scale.



Figure 1: Horizon 7 Draws on the Best of Mobile and Cloud

Just-In-Time Delivery with JMP

JMP is the next-generation VMware desktop and application delivery platform that provides a new, dramatically accelerated means to provision fully featured, personalized, customized virtual desktops and published applications. With JMP, you can manage outcomes instead of technologies. Define what kind of workspace an end user should receive and JMP automates the creation of the workspace leveraging the underlying technologies including Instant Clone Technology, VMware App Volumes™, and VMware User Environment Manager™.

Administrators can rapidly spin up desktops that retain user customization, persona, and user-installed apps from session to session, even though the desktop itself is destroyed when the user logs out. Similarly, published applications can be deployed 5-10x faster with a push of a button and with less than half the required steps when compared with competitive solutions. Virtual desktops benefit from the latest OS and application patches automatically applied between user logins, without any disruptive recompose, resulting in the elimination of patch maintenance windows. This capability is delivering customers the VDI nirvana of fully customized and personalized desktops, built on the economics and security of stateless, nonpersistent desktops.

Cloud Pod Architecture Improved Scale

Cloud Pod Architecture now scales to support 120,000 sessions across up to five sites. Customers can aggregate multiple pods in either the same data center or different data centers and entitle users to a desktop in any location. Organizations now benefit from an unprecedented ability to scale, with improved failover performance.

VMware Cloud on AWS Support for Cloud-Scale Elasticity

Rapidly scale Horizon 7 virtual desktops and apps with VMware Cloud™ on AWS, a proven, elastic enterprise cloud platform. VMware Horizon 7 on VMware Cloud on AWS delivers a seamlessly integrated hybrid cloud for virtual desktops and applications. It combines the enterprise capabilities of the VMware Software-Defined Data Center, delivered as a service on AWS, with the market-leading capabilities of VMware Horizon for a simple, secure, and scalable solution.

Take advantage of the rich feature set and flexibility you expect from Horizon 7, leveraging the same tools and architecture to simplify management across public and hybrid clouds. Cloud Pod Architecture (CPA) simplifies management by linking cloud deployments across regions, or by linking on-premises to public cloud deployments. Now, customers can easily extend desktop services to address more use cases such as on-demand capacity, disaster recovery, and cloud co-location without buying additional data center resources.

Cloud Connector

Horizon 7 deployments can now connect to the Horizon Cloud control plane through the Cloud Connector, to enable subscription licensing. This allows customers to switch from a CapEx (capital expenditure) model to an OpEx (operational expenditure) model.

Smart Policies with Streamlined Access

Horizon 7 also introduces a robust suite of security and policy-focused capabilities that help customers improve their overall security posture, with a multilayered, defense-in-depth approach that goes from client endpoint to data center to the extended virtual infrastructure. Smart Policies delivers a real-time, policy-based system with intelligent, contextual, role-based management that is seamlessly integrated:

- **True SSO** – Streamlines the end-to-end login experience. Users logging in and authenticating via VMware Identity Manager™ would previously be presented with a second login prompt to access their Windows desktop, using their AD credentials. True SSO seamlessly bypasses this secondary login request for users who have already authenticated via VMware Identity Manager, using a short-lived Horizon virtual certificate, enabling a password-free Windows login that brings them immediately to their desktop, for a secure, simplified, and faster overall experience.
- **Policy-managed client features** – Contextually aware, fine-grained control of client-side capabilities, for a more robust security posture with improved IT manageability. Now IT can selectively enable or disable features like clipboard redirection, USB, printing, and client drive redirection. Customers can now use policy to ensure that, for instance, a desktop login from a network location considered unsecure, results in disabling of security-sensitive features like cut/paste or USB drive access. Additionally, PCoIP Bandwidth Profile settings allow IT to customize the user experience based

on user context and location. All of this can be enforced based on role, evaluated at login and logout, disconnect and reconnect, and at predetermined refresh intervals for consistent application of policy across the entirety of the user experience.

Blast Extreme

Adding to PCoIP, VMware now offers customers additional choice and flexibility with brand new Blast Extreme display technology, purpose built and optimized for the digital workspace. Built on industry-standard H.264 protocol, Blast Extreme supports the broadest range of client devices, billions of them, that are already H.264 capable. Customers can choose between Blast Extreme, PCoIP, and RDP based on their use cases and client device choices. Blast Extreme offers many inherent advantages over PCoIP in addition to client device support including:

- 50 percent less network bandwidth consumed
- Ability to leverage both TCP or UDP network transport
- Adaptive Transport and Network Intelligence with QoS support maintains a great user experience across a wide variety of network types, ranging from corporate LAN to public Wi-Fi and mobile networks
- Agility in adapting to challenging, lossy network conditions in which users can maintain a local-like experience
- Lower CPU consumption for longer battery life on mobile devices

Additionally, when combined with GPU-based hardware acceleration in the host, such as NVIDIA GRID, VMware has a complete solution that supports graphics performance end to end for the most visually intensive applications, in any use case.

Skype for Business

The VMware Horizon Virtualization Pack for Skype for Business, developed in collaboration with Microsoft, allows you to deliver Skype for Business in a virtual desktop or as a published application while also delivering a great user experience. The optimized solution delivers a better user experience and avoids increased data center infrastructure traffic, which can lead to chokepoints and performance issues.

Published (RDS) Applications

Horizon 7 feature-rich published (RDS) apps can now also pre-launch, or stay active even after user logout, so users get instant access to applications without any spin-up delay. Users can also access apps directly from the start menu just like they would on their native desktop for a better user experience.

Help Desk Tool

The Horizon Help Desk Tool enables help desk and tier-1 support staff to quickly look up users calling support and troubleshoot common end-user issues. The Help Desk Tool provides the support team with a simple interface to quickly understand both performance and configuration information, and the ability to perform common desktop support actions such as remote user assistance and resetting a user's desktop.

LEARN MORE

For more information, visit
<http://www.vmware.com/go/horizon7>.

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.

Session Collaboration

With Session Collaboration, multiple users can view and modify the same desktop. This collaboration can be very useful in healthcare, design, engineering, and education organizations for peer reviews, design iterations, and training. The desktop owner can invite multiple additional users to collaborate in real time on his or her desktop, and in doing so provide a great user experience for all contributors.

Make the Move Today

Horizon 7 is available in the following editions:

- **Horizon 7 Standard** – Simple, powerful VDI with a great user experience
- **Horizon 7 Advanced** – Cost-effective delivery of desktops and applications through a unified workspace
- **Horizon 7 Enterprise** – Desktops and applications delivered through a unified workspace with Just-in-Time management
- **Horizon Apps Standard** – Simple, powerful app virtualization with a great user experience
- **Horizon Apps Advanced** – Powerful app virtualization with Just-in-Time management

