

# Horizon Cloud on Microsoft Azure

## Q. What is Horizon Cloud on Microsoft Azure?

- A. VMware Horizon® Cloud on Microsoft Azure provides customers with the ability to pair their existing Microsoft Azure infrastructure with the VMware Horizon® Cloud Service™.

Horizon Cloud delivers feature-rich virtual desktops and applications using a purpose-built cloud platform that is scalable across multiple deployment options, including fully managed infrastructure from VMware and public cloud infrastructure from Microsoft Azure. The service supports a cloud-scale architecture that makes it easy to deliver virtualized Windows desktops and applications to any device, anytime.

And with a flexible subscription model, organizations can easily get up and running quickly

## Q. Why are we offering Microsoft Azure support for Horizon Cloud?

- A. VMware is dedicated to helping customers accelerate their move to the cloud by providing a range of deployment options that make it easy to transition at their own pace. As one of the fastest-growing infrastructure-as-a-service providers, Microsoft Azure helps support our multi-cloud strategy, allowing customers to host virtual desktops and apps across more data centers and more locations. Microsoft Azure also brings hourly billing, attractive SPLA licensing, compliance with industry mandates such as HIPAA and PCI, and world-class SLAs.

## Q. What features does Horizon Cloud support on Microsoft Azure infrastructure?

### A. Application and Desktop Delivery

- Ability to deliver virtual applications and Windows 10 desktops on Microsoft Azure while leveraging cloud resources
- Dedicated and floating desktops available with VDI VMware App Volumes™

### Cloud-Based Management Console

- Intuitive Horizon Cloud management console to manage remote and virtual desktops, apps, and users on Microsoft Azure in one place
- Built-in Monitoring Service with logs, notifications and analytics

### User Experience and Access

- Identity-based end-user catalog access via VMware Workspace ONE®
- Secure remote access for end users with integrated Unified Access Gateway
- Support for VMware Blast Extreme, BEAT protocol, Skype for Business, and much more

### Power Management

- Ability to track and manage Microsoft Azure capacity consumption to keep costs low

### Support

- Enterprise-grade, 24-7 support from VMware for the Horizon Cloud service

### Graphics Support

- Support for graphics-intensive workloads on Microsoft Azure GPU-enabled infrastructure—both RDS and Windows 10 virtual desktops

### Support for Microsoft Azure Government

- Azure Government infrastructure for U.S. public sector entities requiring isolated infrastructure

### Health Alerts

- Manage resource usage. Alerts displayed when one or more of the following parameters at or above a set threshold value: CPU usage percentage, memory usage percentage, and disk latency

### Agent Auto Update

- Automatically update agents via the Horizon Cloud management console

### Security with Two-Factor Authentication

- Support for RADIUS-based authentication when accessing your desktops and applications over the Internet

### Help Desk

- Intuitive web application designed for support staff and admins to easily look up user sessions, troubleshoot problems, and perform desktop maintenance operations such as restart or reset desktops

### Support for VMware NSX® Cloud

- Provides micro-segmentation of virtual desktops deployed on VMware Horizon Cloud on Microsoft Azure

**Q. What is Windows Virtual Desktop?**

A. Windows Virtual Desktop is a benefit offered by Microsoft to customers with specific Enterprise Agreements. This benefit includes licensing, unique features like Windows 10 Enterprise multi-session and Windows 7 with free Extended Security Updates until January 2023, and favorable Azure resource pricing.

**Q. Does Horizon Cloud on Microsoft Azure work with Microsoft Windows Virtual Desktop?**

A. Yes! VMware and Microsoft have partnered so that customers can use the enterprise-class capabilities of VMware Horizon with their Windows Virtual Desktop entitlements. The combination of VMware Horizon Cloud on Microsoft Azure, the hybrid management functionality of the VMware Horizon control plane, and Windows Virtual Desktop will allow customers to leverage their benefits sooner and migrate workloads to Microsoft Azure at their own pace.

**Q. Does Horizon Cloud run on Windows Virtual Desktop (or vice versa)?**

A. Horizon Cloud on Microsoft Azure and Windows Virtual Desktop are separate platforms, both based on Azure. The partnership between VMware and Microsoft extends the features of the Windows Virtual Desktop platform to the Horizon Cloud on Microsoft Azure platform.

**Q. In what markets is Horizon Cloud on Microsoft Azure available?**

A. Horizon Cloud is available globally for Microsoft Azure deployments. For more information, refer to the list of available Microsoft Azure regions.

**Q. Does Horizon Cloud support multitenancy?**

A. Yes, Horizon Cloud is a multitenant service.

**Q. What VM types are supported on Horizon Cloud on Microsoft Azure?**

A. Customers can select from over 200 VM sizes that support their use cases for both VDI and RDSH, along with the ability to filter the VM sizes based on Type, Series, CPU, Memory and Tag when creating a Desktop Assignment or RDSH Farm.

For a list of specific VM types within each series, refer to the product documentation.

**Q. Does Horizon Cloud support vGPU-accelerated applications and desktops?**

A. Horizon Cloud supports vGPU-accelerated Microsoft Azure instances to deliver secure, immersive 3D graphics to RDS-hosted apps and session-based desktops as well as Windows 10 virtual desktops.

**Q. What devices or endpoints can I use to access my desktops?**

A. With Horizon Cloud you can use any device, anywhere to access your desktop and applications. This includes thin clients, zero clients, PCs, Macs, iPads, Android devices, smartphones, Amazon Kindle Fires, and Google Chromebooks.

**Q. What display protocol does Horizon Cloud use?**

A. Horizon Cloud supports VMware Blast Extreme and Teradici PCoIP protocols for a premium end-user experience. In addition, with Horizon clients, you get a great end-user experience across networks and devices with support for unified communications, USB devices, 3D, multimedia and gestures.

**Q. What is the difference between Blast Extreme and PCoIP?**

A. Blast Extreme is a new display technology built on the H.264 protocol. It offers customers an additional means by which their virtual desktops and apps can be remoted to their client device. Horizon Cloud continues to support devices that leverage PCoIP, and with the addition of Blast Extreme, customers can choose the display technology that best fits their use cases.

**Q. Is VMware App Volumes available for Horizon Cloud on Microsoft Azure?**

A. Yes! VMware App Volumes version 4 is available in Horizon Cloud on Microsoft Azure, and is part of the VMware Simplified Application Management (SAM) feature-set that makes it easy for admins to manage applications for desktop virtualization environments on-premises and in the cloud. With App Volumes and SAM, admins can package an application one time and roll it out to any VMware Horizon platform that leverages the Horizon control plane.

**Q. How is App Volumes for Horizon Cloud on Microsoft Azure licensed?**

A. Horizon Cloud on Microsoft Azure customers already have access to App Volumes via the Horizon Universal or Horizon Apps Universal licenses.

**Q. How is App Volumes for Horizon Cloud on Microsoft Azure deployed?**

A. Since App Volumes is integrated with Horizon Cloud, and Horizon Cloud is a managed service from VMware, there are no steps needed to deploy. For new customers adopting Horizon Cloud on Azure, App Volumes will be available by default. If you are an existing customer who has already deployed Horizon Cloud on Azure, contact your Account team, who will help enable the capability in within your Horizon Cloud deployment.

**Q. Does Horizon Cloud on Microsoft Azure support micro-segmentation using NSX?**

A. Yes. NSX Cloud enables micro-segmentation of virtual desktops that are deployed by VMware Horizon Cloud on Microsoft Azure. NSX Cloud delivers micro-segmentation security for applications running natively in public clouds. The NSX Cloud micro-segmentation policy can control traffic between desktops within Azure VNET as well as traffic destined to on-premises applications in a hybrid deployment. For more information, watch the demo.

**Q. Does VMware offer managed infrastructure on Microsoft Azure or will customers attach their own Microsoft Azure infrastructure to the Horizon Cloud control plane?**

A. Customers must attach their own Microsoft Azure account to the Horizon Cloud service. At this time, we are not planning to provide a VMware-managed infrastructure option for Microsoft Azure. However, partners will be able to provide managed solutions on Microsoft Azure for customers looking for that option.

**Q. Does Horizon Cloud on Microsoft Azure support VMware Workspace ONE Access?**

A. Horizon Cloud includes VMware Workspace ONE® Access™ (formerly known as VMware Identity Manager™). With Workspace ONE Access, you can set up single sign-on (SSO) for Horizon Cloud apps and desktops, ensure security with multifactor authentication (including VMware Verify™, the VMware multifactor authentication solution included in the Workspace ONE Access feature that is powered by a third-party service provider), and control conditional access.

The Horizon Universal License includes the cloud-hosted version of Workspace ONE Access. With this version of Workspace ONE Access, access to only Horizon Cloud apps and desktops is supported.

Horizon Cloud on Microsoft Azure also supports the Workspace ONE Access on-premises version. To leverage Workspace ONE Access on-premises with your Horizon Cloud on Microsoft Azure deployment, consult with your VMware End-User Computing (“EUC”) sales rep to purchase the appropriate subscription.

If you want to use Workspace ONE Access with other apps such as VMware Horizon® 7 apps and desktops, SaaS apps, or mobile apps, consult with your VMware End-User Computing (“EUC”) sales rep to purchase the appropriate subscription.

**Q. How is Horizon Cloud sold?**

A. Customers purchase the Horizon Universal License which entitles them to Horizon Cloud on Microsoft Azure, VMware Horizon® Cloud on IBM Cloud, and Horizon subscription, which can be deployed on-premises, on VMware Cloud™ on AWS, and in a growing number of additional platforms.

Horizon Universal License is available in two subscription models:

- Per named user (NU) – For virtual environments with staff that require dedicated access to virtual machines throughout the day.
- Per concurrent connection (CCU) – For virtual environments with a high number of users who share machines throughout the day, such as students and shift workers.

**Q. Does the Horizon Universal License include cloud capacity in Microsoft Azure or IBM Cloud?**

A. No. The Horizon Universal License includes only the Horizon components. Customers must pay separately for the desktop capacity, either by purchasing hosting infrastructure directly from VMware for use with Horizon Cloud on IBM Cloud, or by providing their own Microsoft Azure subscription.

**Q. Where can I get pricing information for the Horizon Universal License?**

A. The Horizon Universal License is based on a monthly subscription model. For more information, review the latest pricing information for Horizon Universal License and hosted infrastructure options.

**Q. How do I buy Horizon Cloud?**

A. You can purchase Horizon Cloud directly from VMware or your preferred reseller. Contact VMware Sales to learn more.

Q. How is Microsoft Azure hosting purchased for new customers to Microsoft Azure that are purchasing Horizon Cloud?

A. Microsoft Azure hosted infrastructure can be purchased from customers' existing Microsoft resellers.

Q. Can I buy Horizon Cloud and Microsoft Azure services together?

A. Customers may purchase both Microsoft Azure and Horizon Cloud together through the channel with many Microsoft and VMware resellers.

Q. Can I try Horizon Cloud on Microsoft Azure?

A. Customers wishing to try Horizon Cloud on Microsoft Azure have multiple options:

- VMware TestDrive is available to let you try a live demo environment before deploying in your own organization.
- A 90-day free trial is available for use with your existing Azure subscription.

Q. Where can customers get more details?

A. Customers and partners interested in learning more about this new offering can visit the [Horizon Cloud page](#), or visit our [Microsoft alliance page](#).