



VMware Horizon

Packaging and licensing

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Overview

[VMware Horizon®](#) enables the efficient delivery of virtual desktops and applications across on-premises and multi-cloud infrastructure, providing employees secure access to corporate resources anywhere, anytime, on any device. Leveraging deep integration with the VMware technology ecosystem, Horizon offers an agile cloud-ready foundation, modern best-in-class hybrid cloud management, and end-to-end security that empowers today's distributed workforce with the [VMware Anywhere Workspace](#). This white paper covers packaging and licensing of the VMware Horizon product family, including Horizon editions and related products. Pricing information is accessible through the VMware or VMware partner price lists, or through your local VMware representative.

This guide is intended as an overview to understand the Horizon product portfolio and corresponding SKUs. This guide is not intended to replace or contradict the VMware [product end-user license agreement \(EULA\)](#) or VMware price lists. Information in this guide is also subject to change and will be updated accordingly.

General purchasing and support information

VMware Horizon and related products can be purchased through VMware distributors and partners, or through VMware directly.

VMware Horizon is available in a subscription licensing model with two options: Subscription SaaS and Term. Horizon Subscription SaaS and Term offerings include Production Support and Subscription (SnS). Production SnS entitles customers to VMware support 24 hours a day, 7 days a week.

Any available perpetual offerings related to Horizon (listed in the [Related product details section](#)) must be purchased in conjunction with SnS. For perpetual offerings, SnS is available in Basic and Production options. Both support options entitle customers to all product updates and upgrades. For support details, access the [Basic](#) and [Production](#) web pages.

Edition feature comparisons and upgrade tool

Horizon Subscription SaaS and Term options have the following requirements and available editions.

Horizon SaaS licenses require connecting your Horizon deployment (whether on premises or in the cloud) to the cloud-hosted Horizon Control Plane and are available in the following editions: Horizon Apps Standard Subscription, Horizon Apps Universal Subscription, Horizon Standard Plus Subscription, Horizon Enterprise Plus Subscription, and Horizon Universal Subscription.

Horizon SaaS licenses have a core model. You must purchase a single core SKU, which will automatically create a new service ID (SID) that identifies a subscription instance for Horizon offers. Then, you should purchase the balance of seats needed using add-on to core SKUs. For example, if you want to buy 1,000 Horizon Universal Subscription seats:

- Buy 1 core SKU, which is available to start at 50 seats.
- Buy 95 add-on to core SKUs, which are available in 10 seats each (giving a total of 950 add-on seats), for a total of 1,000 seats that include the 1 core SKU seats.

Horizon Term licenses do not require connecting to the cloud-hosted Horizon Control Plane and are available in the following editions: Horizon Apps Standard Term, Horizon Apps Advanced Term, Horizon Standard Term, Horizon Advanced Term, and Horizon Enterprise Term.

Access the [Horizon Subscription SaaS feature comparison chart](#) and the [Horizon Subscription Term feature comparison chart](#) to help you choose the right edition for your needs.

If upgrading, use the [upgrade tool](#) to help choose the right upgrade path. Enter the product or SKU you currently have, then select the edition you want to upgrade to via the [Horizon Subscription Upgrade Program](#).

Deployment options and management responsibilities

Horizon SaaS editions offer options for if you want or need your desktops and data to be hosted on a VMware software-defined data center (SDDC) (on premises or on VMware Cloud™ platforms) or natively in the cloud, such as Microsoft Azure or AWS. Table 1 shows the available deployment options and management responsibilities of each deployment type. For example, with Horizon on premises, you have the responsibility to manage each layer of your virtual desktop infrastructure (VDI)/desktop-as-a-service (DaaS) deployment. With VMware Horizon Cloud Service™ on Microsoft Azure, you only have the responsibility to manage desktops and apps, leaving the infrastructure layers managed by VMware and Microsoft.

Horizon Universal Subscription and Horizon Apps Universal Subscription entitle you to all deployment options.

Horizon Standard Plus Subscription, Horizon Enterprise Plus Subscription, and Horizon Apps Standard Subscription entitle you to any single cloud deployment option, but you can't deploy on Horizon Cloud Service on Microsoft Azure.

Horizon Term licenses can only be deployed on premises.

Table 1: Desktop and app virtualization management responsibilities

VDI/DaaS layer	Horizon on premises	Horizon on Azure VMware Solution	Horizon on VMware Cloud on AWS	Horizon on VMware Cloud on Dell	Horizon on Google Cloud VMware Engine	Horizon on Oracle Cloud VMware Solution	Horizon Cloud Service on Microsoft Azure
Desktops and apps	Customer	Customer	Customer	Customer	Customer	Customer	Customer
Horizon infrastructure	Customer	Customer	Customer	Customer	Customer	Customer	VMware
VMware SDDC	Customer	Microsoft Azure	VMware Cloud	Dell	Google Cloud	Oracle Cloud	N/A (native Azure)
Physical hardware	Customer	Microsoft Azure	VMware Cloud	Dell	Google Cloud	Oracle Cloud	Microsoft Azure

Horizon licensing model

Horizon is available on a per-named-user or a per-concurrent-connection model:

- Per named user (NU) – For virtual environments with staff that require dedicated access to a virtual machine (VM) throughout the day. For example, Organization A has 10 employees who will all be working simultaneously, needing access at the same time. In this scenario, Organization A will need 10 NU licenses.
- 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. A concurrent connection is defined as the total number of users accessing or using the software at any given time to maintain an active connection to their workspace or desktop through an endpoint device. For example, Organization B has 10 employees, but 5 employees work during the day and 5 employees work during the evening. As only 5 employees will need access at a time, Organization B will be better suited for 5 CCU licenses rather than 10 NU licenses.

In both NU and CCU metrics, the components of a Horizon bundle cannot be split among users. This applies to both named and concurrent connection instances. Although a bundle has individual components, the components together should be thought of as a single product. In this manner, even if an end user in a concurrent connection scenario is only connected to Horizon, the other associated components of the bundle (e.g., VMware Workspace ONE® Access™) are also considered to be attached to that user and not available to be entitled to other users.

For example, Organization A has 100 concurrent-connection licenses of Horizon Universal Subscription. User A connects to their virtual desktop and consumes 1 concurrent connection. However, User A is not using VMware ThinApp®. Does this free up ThinApp for another user, given that User A is not active on ThinApp? The answer is no. Even if User A is not connected to all of the components in the bundle, once they connect to any one of the components in the bundle, the others by default become attached to that user for as long as they are connected to their session.

When to use NU or CCU

If the primary use case is around Horizon desktops and you have end users accessing their desktops in shifts (e.g., 300 in the morning and 200 in the evening, but never all 500 at the same time), then you should buy 300 CCU licenses of Horizon.

If the primary use case is around Horizon desktops and you do not have shift workers (e.g., all 500 employees are always connected at the same time), then you should buy NU licenses.

Note: If the primary use case is around Horizon desktops for kiosks, you should buy CCU licenses.

In another CCU example, Figure 1 shows Widget-A, Inc, which bought 4 CCU licenses for their employees. That means their license count is 4 concurrent connections. User 1 takes 2 CCU licenses connecting from 2 devices. User 2 takes up 1 CCU license because they have 1 active session. User 3 takes 1 CCU license for an idle session. Technically, User 4 cannot connect because all 4 CCU licenses are already used by Users 1–3.

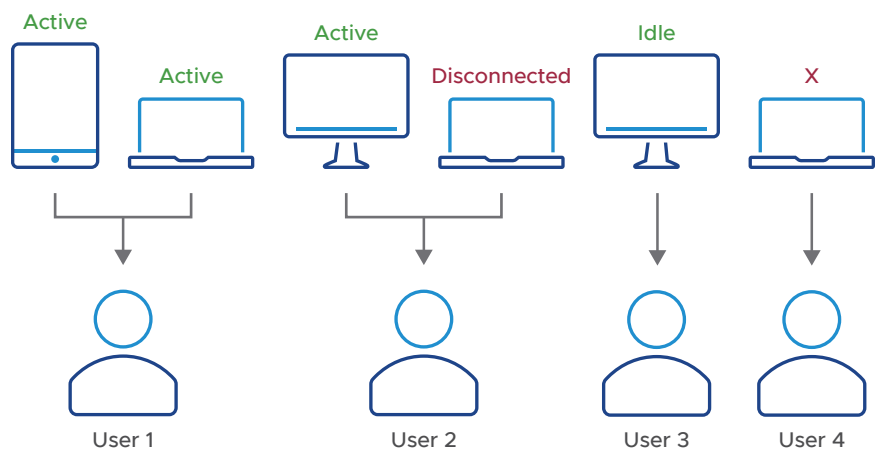


Figure 1: Four employees at Widget-A, Inc.

In another NU example, Figure 2 shows Widget-B, Inc., which bought 3 NU licenses and assigned them to Users 1–3. That means their license count is 3 named users. Technically, User 4 cannot connect to Horizon because they have not been assigned an NU license.

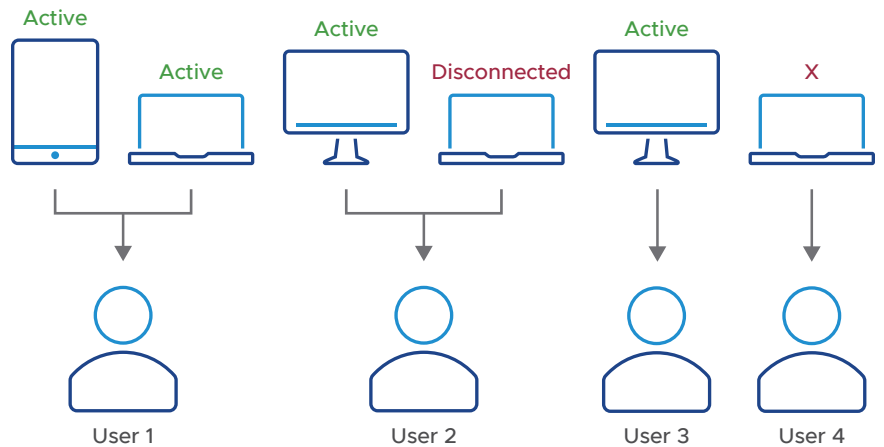


Figure 2: Four users at Widget-B, Inc.

Reassigning NU licenses

In named-user licensing, the license is consumed for 60 days after the last connection was made. However, as an exception, if the employee consuming the NU license has their employment terminated with the company, the license would be available for reassignment immediately following the termination.

Mixing licenses

Mixing NU and CCU bundles under the same instance of Horizon

Mixing NU and CCU bundles in the same Horizon instance is permitted but not recommended. While not restricted within the EULA, there is no mechanism to monitor which licenses are NU and which are CCU once they are activated.

For Subscription SaaS, NU and CCU cannot be mixed within the same SID. NU and CCU need to be under different SIDs. However, more than one SID can be attached to one Horizon Control Plane, but the SIDs cannot be mixed in the same Horizon pod.

You must ensure you are in compliance at all times.

Mixing Horizon editions under the same instance of Horizon

Mixing different Horizon Term editions in the same Horizon instance is permitted but not recommended. While not restricted within the EULA, there is no mechanism to monitor which features in each edition are in use by which users.

Mixing different Horizon SaaS editions in the same Horizon instance is permitted, depending on the editions, but not recommended. While not restricted within the EULA, there is no mechanism to monitor which features in each edition are in use by which users.

You can mix and match Horizon Universal Subscription, Horizon Apps Standard Subscription, and Horizon Apps Universal Subscription licenses. You can mix and match Horizon Standard Plus Subscription and Horizon Enterprise Plus Subscription licenses. These licenses, with different terms and entitlements with different SIDs, may be mixed and run from a single environment.

Horizon Standard Plus Subscription or Horizon Enterprise Plus Subscription licenses can't mix with any other Horizon SaaS edition (e.g., Horizon Universal Subscription) on the same SID. This is not possible as it would require two control planes/pods.

This white paper does not cover mixing scenarios with perpetual editions. Please consult your local VMware representative for assistance if you require help in mixing perpetual with SaaS and Term editions.

You must ensure you are in compliance at all times.

Horizon SaaS edition details

VMware Horizon SaaS provides a single, flexible subscription entitlement to cloud management services and deployment options: on premises, in the cloud, or hybrid and multi-cloud. For available deployment options, please see the [Deployment options and management responsibilities section](#). The following editions are available.

Horizon Universal Subscription

Desktop and application delivery with a full suite of cloud management services and automation for hybrid and multi-cloud deployment:

- Windows VDI and DaaS; Linux VDI; virtual Windows and Linux application delivery; Windows multi-session desktops
- VMware vSphere® Desktop, VMware vCenter®, and VMware vSAN™ Advanced for Desktop (option available without these products)
- Real-time application delivery and lifecycle management, advanced user environment management, help desk, and power management
- Full set of security and premium user experience features, including single sign-on (SSO) using Workspace ONE Access, Blast Extreme, Microsoft Teams optimizations, session recording, and session collaboration
- Software-as-a-service (SaaS) solutions to manage hybrid and multi-cloud environments, including VMware Horizon Service Universal Broker™, Image Management Service, App Management Service, and Cloud Monitoring Service
- VMware Workspace ONE Intelligence™ for VMware Horizon
- Flexibility to deploy on premises and/or in the cloud, managed from the cloud-hosted Horizon Control Plane

Horizon Enterprise Plus Subscription

Desktop and application delivery with a suite of cloud management services and automation for on-premises or cloud deployment:

- Windows VDI; Linux VDI; virtual Windows and Linux application delivery
- vSphere Desktop, vCenter, and vSAN Advanced for Desktop (option available without these products)
- Real-time application delivery and lifecycle management, advanced user environment management, and help desk
- Full set of security and premium user experience features, including SSO using Workspace ONE Access, Blast Extreme, Microsoft Teams optimizations, session recording, and session collaboration
- SaaS solutions to manage single cloud environments
- Single cloud deployment on premises or in the cloud, managed from the cloud-hosted Horizon Control Plane

Horizon Standard Plus Subscription

Desktop delivery with a suite of cloud management services and automation for on-premises or cloud deployment:

- Windows VDI
- vSphere Desktop and vCenter (option available without these products)
- Basic user environment management and help desk
- Essential set of security and premium user experience features, including SSO using Workspace ONE Access, Blast Extreme, and Microsoft Teams optimizations
- SaaS solutions to manage single cloud environments
- Single cloud deployment on premises or in the cloud, managed from the cloud-hosted Horizon Control Plane

Horizon Standard Subscription¹

Desktop delivery with basic cloud management services and automation for on-premises or cloud deployment:

- Windows VDI
- vSphere Desktop and vCenter (option available without these products)
- Basic user environment management and help desk
- Essential set of security and premium user experience features, including SSO using Workspace ONE Access, Blast Extreme, and Microsoft Teams optimizations

1. As of April 2022, Horizon Standard Subscription is no longer available for sale. Only existing customers who purchased Horizon Standard Subscription can purchase Horizon Standard Subscription for renewals and additional licenses. Horizon Standard Plus Subscription and Horizon Enterprise Plus Subscription serve as alternatives to this offering.

- SaaS solutions to manage single cloud environments, including Universal Broker, Image Management Service, and Cloud Monitoring Service
- Single cloud deployment on premises or in the cloud, managed from the cloud-hosted Horizon Control Plane

Horizon Apps Universal Subscription

App delivery with a full suite of cloud management services and automation for hybrid cloud deployment:

- Virtual Windows and Linux application delivery; Windows multi-session desktops
- vSphere Desktop and vCenter (option available without these products)
- Real-time application delivery and lifecycle management, advanced user environment management, help desk, and power management
- Essential set of security and premium user experience features, including SSO using Workspace ONE Access, Blast Extreme, and Microsoft Teams optimizations
- SaaS solutions to manage hybrid and multi-cloud environments, including Universal Broker, Image Management Service, App Management Service, and Cloud Monitoring Service
- Flexibility to deploy on premises and/or in the cloud, managed from the cloud-hosted Horizon Control Plane

Horizon Apps Standard Subscription

App delivery with a suite of cloud management services for on-premises or cloud deployment (also available to complement Microsoft Azure Virtual Desktop):

- Virtual Windows and Linux application delivery; Windows multi-session desktops
- Only available without vSphere Desktop and vCenter
- Basic user environment management and power management
- Essential set of security and premium user experience features, including SSO using Workspace ONE Access, Blast Extreme, and Microsoft Teams optimizations
- SaaS solutions to manage single cloud environments, including Universal Broker, Image Management Service, and Cloud Monitoring Service
- Single cloud deployment on premises or in the cloud, managed from the cloud-hosted Horizon Control Plane

Horizon Term edition details

A Horizon Term license provides a timed license for on-premises deployments with no cloud access. The following editions are available.

Horizon Enterprise Term

On-premises desktop and application delivery:

- Windows VDI; Linux VDI; virtual Windows and Linux application delivery
- vSphere Desktop, vCenter, and vSAN Advanced for Desktop (option available without these products)
- Premium management features, including real-time application delivery and lifecycle management, advanced user environment management, and help desk
- Full set of security and user experience features, including SSO, Blast Extreme, Microsoft Teams optimizations, session recording, and session collaboration
- On-premises deployment only

Horizon Advanced Term

On-premises desktop and application delivery:

- Windows VDI; virtual Windows application delivery
- vSphere Desktop, vCenter, and vSAN Advanced for Desktop (option available without these products)
- Basic user environment management
- Essential set of security and user experience features, including SSO, Blast Extreme, and Microsoft Teams optimizations
- On-premises deployment only

Horizon Standard Term

On-premises desktop delivery:

- Windows VDI
- vSphere Desktop and vCenter (option available without these products)
- Basic user environment management
- Great user experience with Blast Extreme
- On-premises deployment only

Horizon Apps Advanced Term

On-premises virtual application delivery:

- Virtual Windows application delivery
- vSphere Desktop and vCenter (option available without these products)
- Premium management features, including real-time application delivery and lifecycle management, advanced user environment management, and help desk
- Full set of security and user experience features, including SSO, Blast Extreme, Microsoft Teams optimizations, and session recording
- On-premises deployment only

Horizon Apps Standard Term

On-premises virtual application delivery:

- Virtual Windows application delivery
- Advanced user environment management
- Essential set of security and user experience features, including SSO and Blast Extreme
- On-premises deployment only

For more information on features, please see the [Horizon Subscription SaaS feature comparison chart](#) and the [Horizon Subscription Term feature comparison chart](#).

Table 2: Horizon SaaS licenses

Edition ²	License type ³	Packaging	Licensing model	Core/add-on	SKU type	SKU (example of 12-month prepaid for commercial customers)
Horizon Universal Subscription	1-month, 3-month, 1- to 5-year SaaS license	50-pack core 10-pack add-on	CCU/NU	1 core per SID Multiple add-ons	Commercial, Academic, Federal	HAH-CRCUB-12PT0-C1S HAH-ADCUB-12PT0-C1S HAH-CRNUB-12PT0-C1S HAH-ADNUB-12PT0-C1S
Horizon Enterprise Plus Subscription	1-month, 1- to 5-year SaaS license	10-pack core 10-pack add-on	CCU/NU	1 core per SID Multiple add-ons	Commercial, Academic	HAH-ADCUEP-12PT0-C1S HAH-ADNUEP-12PT0-C1S HAH-CRCUEP-12PT0-C1S HAH-CRNUEP-12PT0-C1S
Horizon Standard Plus Subscription	1-month, 1- to 5-year SaaS license	10-pack core 10-pack add-on	CCU/NU	1 core per SID Multiple add-ons	Commercial, Academic	HAH-ADCUSP-12PT0-C1S HAH-ADNUSP-12PT0-C1S HAH-CRCUSP-12PT0-C1S HAH-CRNUSP-12PT0-C1S

Table 2: Horizon SaaS licenses						
Edition ²	License type ³	Packaging	Licensing model	Core/add-on	SKU type	SKU (example of 12-month prepaid for commercial customers)
Horizon Standard Subscription ⁴	1-month, 3-month, 1- to 5-year SaaS license	10-pack core 10-pack add-on	CCU/NU	1 core per SID Multiple add-ons	Commercial, Academic	Only available for existing customers on renewal/add-on
Horizon Apps Universal Subscription	1-month, 3-month, 1- to 5-year SaaS license	50-pack core 10-pack add-on	CCU/NU	1 core per SID Multiple add-ons	Commercial, Academic	HAH-CRCUA-12PT0-C1S HAH-ADCUA-12PT0-C1S HAH-CRNUA-12PT0-C1S HAH-ADNUA-12PT0-C1S
Horizon Apps Standard Subscription (Only available without vSphere Desktop and vCenter)	1-month, 3-month, 1- to 5-year SaaS license	10-pack core 10-pack add-on	CCU/NU	1 core per SID Multiple add-ons	Commercial, Academic	HZN-ASCUC-12PT0-C1S HZN-ASCUA-12PT0-C1S HZN-ASNUC-12PT0-C1S HZN-ASNUA-12PT0-C1S

2. All editions are available in options that do not include vSphere Desktop, vCenter and, depending on the edition, vSAN Advanced for Desktop.

3. 1-month and 3-month SKUs are only for short-term use and not to be renewed.

4. As of April 2022, Horizon Standard Subscription is no longer available for sale. Only existing customers who purchased Horizon Standard Subscription can purchase Horizon Standard Subscription for renewals and additional licenses. Horizon Standard Plus Subscription and Horizon Enterprise Plus Subscription serve as alternatives to this offering.

Table 3: Horizon Term licenses						
Product	License type ⁵	Packaging	Licensing model	Core/add-on	SKU type	SKU
Horizon Enterprise Term ⁶	3-month, 1- to 5-year Term license	10 pack	CCU/NU	Coreless model	Commercial, Academic, Federal	HZ8-ENC-10-1Y-TLSS-C HZ8-ENN-10-1Y-TLSS-C
Horizon Advanced Term ⁶	3-month, 1- to 5-year Term license	10 pack	CCU/NU	Coreless model	Commercial, Academic, Federal	HZ8-ADC-10-B1-1Y-TLSS-C HZ8-ADN-10-B1-1Y-TLSS-C
Horizon Standard Term ⁶	3-month, 1- to 5-year Term license	10 pack	CCU	Coreless model	Commercial, Academic, Federal	HZ8-STC-10-B1-1Y-TLSS-C
Horizon Apps Advanced Term	3-month, 1- to 5-year Term license	10 pack	CCU/NU	Coreless model	Commercial, Academic, Federal	HZ8-AADC-10-1Y-TLSS-C HZ8-AADN-10-1Y-TLSS-C
Horizon Apps Standard Term	3-month, 1- to 5-year Term license	10 pack	CCU/NU	Coreless model	Commercial, Academic, Federal	HZ8-ASTC-10-1Y-TLSS-C HZ8-ASTN-10-1Y-TLSS-C

5. 3-month SKUs are only for short-term use and not to be renewed.

6. Horizon Enterprise Term, Horizon Advanced Term, and Horizon Standard Term are available in options that do not include vSphere Desktop, vCenter and, depending on the edition, vSAN Advanced for Desktop.

Subscription Upgrade Program for Horizon

The [Subscription Upgrade Program for Horizon](#) allows you to leverage your perpetual Horizon investment to upgrade to Subscription SaaS or Term licenses, such as Horizon Universal Subscription. See Table 4 (also available in the [Subscription Upgrade Program FAQ](#)) for upgrade paths with built-in discounts.

Table 4: Horizon Subscription upgrade paths	
From (Perpetual or SaaS)	To (SaaS or Term)
Horizon Standard Perpetual, NU	Horizon Universal Subscription, NU
Horizon Standard Perpetual, CCU	Horizon Standard Plus Subscription, CCU Horizon Enterprise Plus Subscription, CCU Horizon Universal Subscription, CCU
	Horizon Standard Term, CCU Horizon Enterprise Term, NU or CCU
Horizon Advanced Perpetual, NU	Horizon Enterprise Plus Subscription, NU Horizon Universal Subscription, NU
	Horizon Advanced Term, NU Horizon Enterprise Term, NU or CCU
Horizon Advanced Perpetual, CCU	Horizon Enterprise Plus Subscription, CCU Horizon Universal Subscription, CCU
	Horizon Advanced Term, CCU Horizon Enterprise Term, CCU
Horizon Enterprise Perpetual, NU	Horizon Enterprise Plus Subscription, NU Horizon Universal Subscription, NU
	Horizon Enterprise Term, NU
Horizon Enterprise Perpetual, CCU	Horizon Enterprise Plus Subscription, CCU Horizon Universal Subscription, CCU
	Horizon Enterprise Term, CCU
Horizon Apps Standard Perpetual, NU	Horizon Apps Universal Subscription, NU
	Horizon Apps Standard Term, NU

Table 4: Horizon Subscription upgrade paths	
Horizon Apps Standard Perpetual, CCU	Horizon Apps Universal Subscription, CCU
	Horizon Apps Standard Term, CCU
Horizon Apps Advanced Perpetual, NU	Horizon Apps Universal Subscription, NU
	Horizon Apps Advanced Term, NU
Horizon Apps Advanced Perpetual, CCU	Horizon Apps Universal Subscription, CCU
	Horizon Apps Advanced Term, CCU
VMware Workspace ONE Enterprise Perpetual, NU (Horizon Enterprise Perpetual, NU and Workspace ONE Advanced)	Upgrade the two parts (Horizon Enterprise Perpetual, NU and Workspace ONE Advanced) separately
Horizon Standard Add-on Perpetual, NU	Horizon Universal Subscription (no vSphere), NU
Horizon Standard Add-on Perpetual, CCU	Horizon Standard Plus Subscription (no vSphere), CCU Horizon Enterprise Plus Subscription (no vSphere), CCU Horizon Universal Subscription (no vSphere), CCU
	Horizon Standard Term (no vSphere), CCU
Horizon Advanced Add-on Perpetual, NU	Horizon Enterprise Plus Subscription (no vSphere), NU Horizon Universal Subscription (no vSphere), NU
	Horizon Advanced Term (no vSphere), NU
Horizon Advanced Add-on Perpetual, CCU	Horizon Enterprise Plus Subscription (no vSphere), CCU Horizon Universal Subscription (no vSphere), CCU
	Horizon Advanced Term (no vSphere), CCU
Horizon Enterprise Add-on Perpetual, NU	Horizon Enterprise Plus Subscription (no vSphere), NU Horizon Universal Subscription (no vSphere), NU
	Horizon Universal Subscription (no vSphere), NU
Horizon Enterprise Add-on Perpetual, CCU	Horizon Enterprise Plus Subscription (no vSphere), CCU Horizon Universal Subscription (no vSphere), CCU
	Horizon Universal Subscription (no vSphere), CCU
Horizon Universal Subscription, NU	Horizon Universal Subscription, CCU

Related product details

VMware App Volumes

VMware App Volumes™ is a portfolio of application and user-management solutions for virtual desktop and app environments, such as Horizon, Citrix and Microsoft. It combines an app delivery architecture and user environment management that drives down infrastructure and end-user management costs. End users can enjoy a more personalized user experience with the ability to consistently access applications across devices and locations.

Table 5: VMware App Volumes licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU
VMware App Volumes Advanced	Includes: <ul style="list-style-type: none"> • App Volumes • VMware Dynamic Environment Manager • VMware ThinApp (Packager, Client, Workstation) 	Perpetual	CCU/NU	10 pack, 100 pack	Commercial, Academic, Federal	AV-ADV-10-C AV-ADV-100-C AV-ADV-10-C AV-ADV-100-C
VMware App Volumes Standard	Includes: <ul style="list-style-type: none"> • App Volumes • VMware Dynamic Environment Manager 	Perpetual	CCU/NU	10 pack, 100 pack	Commercial, Academic, Federal	AV-STD-10-C AV-STD-100-C AV-STD-10-C AV-STD-100-C

VMware Dynamic Environment Manager

VMware Dynamic Environment Manager™ offers personalization and dynamic policy configuration across any virtual, physical and cloud-based environment. VMware Dynamic Environment Manager can simplify end-user profile management by providing organizations with a single, scalable solution that leverages existing infrastructure. IT can simply map infrastructure (including networks and printer mappings) and dynamically set policies for end users to securely support more use cases. With this solution, end users can also enjoy quick access to their Windows workspace and applications, with a personalized and consistent experience across devices and locations. VMware Dynamic Environment Manager Enterprise is the standalone product. As noted in the [feature comparison matrix](#), Horizon Enterprise Term, Horizon Apps Universal Subscription, Horizon Enterprise Plus Subscription, and Horizon Universal Subscription include VMware Dynamic Environment Manager Enterprise. Horizon Apps Standard Subscription and Horizon Standard Plus Subscription include VMware Dynamic Environment Manager Standard.

Table 6: VMware Dynamic Environment Manager licenses						
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU
VMware Dynamic Environment Manager	Includes personalization and policy management	Perpetual	CCU/NU	10 pack, 100 pack	Commercial, Academic, Federal	UEM-CCU-10-C UEM-CCU-100-C UEM-NU-10-C UEM-NU-100-C

VMware ThinApp

VMware ThinApp is an application virtualization and portable application creator suite that can package conventional applications so they become portable applications. ThinApp is included in all Horizon offerings.

Table 7: VMware ThinApp licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU
VMware ThinApp Suite	Includes: <ul style="list-style-type: none"> • 1 ThinApp Packager • 50 ThinApp Client licenses • 1 Workstation license (for admin usage) 	Perpetual	N/A	1 pack	Commercial, Academic, Federal	THIN5-STE-C
VMware ThinApp Client	Includes 100 ThinApp Client licenses	Perpetual	N/A	100 pack	Commercial, Academic, Federal	THIN5-100PK-C

VMware Horizon for Linux

VMware Horizon for Linux provides organizations with the ability to deliver, manage and access virtual desktops based on the Linux operating system.

Table 8: VMware Horizon for Linux licenses						
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU
VMware Horizon for Linux	Includes: <ul style="list-style-type: none"> • vSphere Desktop • VMware vCenter Server® Standard • VMware Dynamic Environment Manager Standard Does not include vSAN	Perpetual	CCU	10 pack	Commercial, Academic, Federal	HZ8-LXC-10-C

Add-on product details

VMware Horizon Accelerator

VMware Horizon Accelerator™ is an add-on available for Horizon Universal customers. Horizon Accelerator combines the power of dashboard analytics with day 0 through day 2 VDI lifecycle service and support delivered by VDI experts. It is designed to simplify VDI and app deployment and operations, offer insights across the entire VDI and app delivery ecosystem, and fill the VDI expertise gap to help organizations adopt Horizon, realizing faster time to value. Horizon Accelerator is available as a subscription and can be purchased in packs of 10 with a minimum of a one-year commitment.

Table 9: VMware Horizon Accelerator licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Horizon Accelerator	Includes VMware Horizon Accelerator	SaaS subscription with 1-, 2-, 3-, 4- and 5-year terms	CCU/NU	10-pack add-on	Commercial	No core; only add-on SKUs HAH-ADCUM-12MT0-C1S	Add-on to Horizon Universal only

VMware vSphere Desktop

VMware vSphere Desktop is a vSphere edition designed for licensing vSphere in VDI deployments. vSphere Desktop provides all functionalities of vSphere Enterprise Plus. In a Horizon virtual desktop environment, vSphere Desktop can be used to power virtual desktops, as well as the underlying infrastructure for the VDI environment. Examples include the View Connection Server, security server, Active Directory, monitoring tools, and other infrastructure directly related to and exclusive to the VDI environment. vSphere Desktop included in Horizon editions has the same features and functionality of vSphere Enterprise Plus.

vSphere Desktop can be purchased standalone in a pack of 100 desktop VMs, or it is included with the Horizon SaaS or Term editions with vSphere (Horizon full version). vSphere Desktop standalone and vSphere Desktop included in the Horizon full versions may only be used in conjunction with exclusively desktop environments. For mixed workloads, we recommend buying an edition of vSphere, which is licensed per CPU, and buying a Horizon edition without vSphere components. These editions are for customers who already have vSphere and are sold at a lower price because vSphere is eliminated from the Horizon packaging.

Table 10: VMware vSphere Desktop licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware vSphere Desktop	Includes: <ul style="list-style-type: none"> • Resource management • Simplified lifecycle management • Built-in security • Resiliency and performance for enhanced applications See vSphere Enterprise Plus feature chart	Perpetual	VM	100 pack	Commercial, Academic, Federal	VS7-DT100VM-C	VDI workloads only; please see the VMware Product Guide for more details

To report usage and enforce compliance, vSphere Desktop counts powered-on desktop VMs. In the case of vSphere Desktop as a component of a full edition of Horizon, the VM serves as a proxy for the user. In a Horizon environment, the users accessing the environment are not always accurately represented by the total counts of VMs. In this case, the administrator needs to keep track of total desktop and infrastructure VMs and ensure they are in compliance.

In Citrix Virtual Apps and Desktops environments, you can use vSphere Desktop to power virtual desktops and the underlying VDI infrastructure as previously mentioned. In this use case, the VMs used to host the underlying infrastructure will count against your total powered-on VM count. For example, if your Citrix environment has a 100 pack of vSphere Desktop and you are using it to host 90 virtual desktops and 10 VMs that host the VDI environment, you have used up all the licenses for vSphere Desktop in that environment.

VMware vSAN for Desktop

VMware vSAN is the VMware software-defined storage solution for hyperconverged infrastructure. vSAN delivers enterprise-class storage services for virtualized production environments along with predictable scalability and all-flash performance—all at a fraction of the price of traditional, purpose-built storage arrays. Just like vSphere, vSAN provides users with the flexibility and control to choose from a wide range of hardware options, and easily deploy and manage it for a variety of IT workloads and use cases. vSAN can be configured as all-flash or hybrid storage. For VDI workloads only (VMware or Citrix), you may only use VMware vSAN Advanced for Desktop for up to the number of concurrent users or named users for which you have paid the applicable license fees. Available in perpetual or term.

Table 11: VMware vSAN for Desktop licenses							
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware vSAN Standard for Desktop	Includes: <ul style="list-style-type: none"> Storage-based policy management Read/write SSD caching Distributed RAID (RAID 1) vSAN snapshots and clones Rack awareness Replication (5-minute recovery point objective [RPO]) Software checksum All-flash support Block access (iSCSI) Quality of service IOPS limits 	Perpetual	CCU	10 pack, 100 pack	Commercial, Academic, Federal	ST7-STD-DT10-C ST7-STD-DT100-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)

Table 11: VMware vSAN for Desktop licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware vSAN Advanced for Desktop	Includes: <ul style="list-style-type: none"> • vSAN Standard for Desktop • Inline deduplication and compression (all-flash only) • Erasure coding – RAID (all-flash only) • All-flash 	Perpetual and 1- to 5-year Term licenses	CCU	10 pack, 100 pack	Commercial, Academic, Federal	ST7-ADV-DT10-C ST7-ADV-DT100-C ST7-ADV-DT10-1TLSS-C ST7-ADV-DT10-2TLSS-C ST7-ADV-DT10-3TLSS-C ST7-ADV-DT10-4TLSS-C ST7-ADV-DT10-5TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)
VMware vSAN Enterprise for Desktop	Includes: <ul style="list-style-type: none"> • vSAN Advanced for Desktop • Data-at-rest encryption • Stretch cluster with local failure protection • File services • VMware HCI Mesh™ • Data Persistence platform for modern stateful services 	Perpetual and 1- to 5-year Term licenses	CCU	10 pack, 100 pack	Commercial, Academic, Federal	ST7-ENT-DT10-C ST7-ENT-DT100-C ST7-ENT-DT10-1TLSS-C ST7-ENT-DT10-2TLSS-C ST7-ENT-DT10-3TLSS-C ST7-ENT-DT10-4TLSS-C ST7-ENT-DT10-5TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)

Table 11: VMware vSAN for Desktop licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware vSAN Enterprise for Desktop (Horizon add-on)	Includes: <ul style="list-style-type: none"> • vSAN Advanced for Desktop • Data-at-rest encryption • Stretch cluster with local failure protection 	Perpetual	CCU	10 pack, 100 pack	Commercial, Academic, Federal	ST6-ED-HA10-C ST6-ED-HA100-C	VDI workloads only Horizon perpetual licenses only

VMware NSX for Desktop

VMware NSX® is the leading network virtualization platform that delivers the operational model of a virtual machine for the network. Similar to virtual machines for compute, virtual networks are programmatically provisioned and managed independent of underlying hardware. NSX reproduces the entire network model in software, enabling any network topology—from simple to complex multitier networks—to be created and provisioned in seconds. It enables a library of logical networking elements and services, such as logical switches, routers, firewalls, load balancers, VPN, and workload security.

Users can create isolated virtual networks through custom combinations of these capabilities.

Table 12: VMware NSX for Desktop licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware NSX-T™ Advanced for Desktop	Network virtualization platform for Horizon and Citrix environments. Includes: <ul style="list-style-type: none"> • Multi-vCenter • VPN (IPsec and SSL) remote gateway 	1- and 3-year Term licenses	CCU	10 pack, 100 pack	Commercial, Academic, Federal	NSX-T-ADV10C-TLSS-C NSX-T-ADV10C-3TLSS-C NSX-T-ADV100C-TLSS-C NSX-T-ADV100C-3TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)

Table 12: VMware NSX for Desktop licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware NSX-T Enterprise Plus for Desktop	Includes features of NSX-T Advanced for Desktop and additionally: <ul style="list-style-type: none"> • NSX Federation • VMware NSX Intelligence™ • VMware Aria Operations™ for Networks Advanced • VMware HCX® Advanced 	1- and 3-year Term licenses	CCU	10 pack, 100 pack	Commercial, Academic, Federal	NSX-T-EPL10C-TLSS-C NSX-T-EPL10C-3TLSS-C NSX-T-EPL100C-TLSS-C NSX-T-EPL100C-3TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)
VMware NSX-T Enterprise Plus for Desktop with VMware Aria Operations for Networks Enterprise add-on	Includes features of NSX-T Enterprise Plus for Desktop Instead of VMware Aria Operations for Networks Advanced, this package includes VMware Aria Operations for Networks Enterprise	1- and 3-year Term licenses	CCU	10 pack, 100 pack	Commercial, Academic, Federal	NSX-T-EPL10-AD-VRNI-TLSS-C NSX-T-EPL10-AD-VRNI-3TLSS-C NSX-T-EPL100-AD-VRNI-TLSS-C NSX-T-EPL100-AD-VRNI-3TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)

Table 12: VMware NSX for Desktop licenses

Product	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Horizon Enterprise and VMware NSX-T Data Center Enterprise Plus	Includes: <ul style="list-style-type: none"> • Horizon Enterprise • NSX-T Enterprise Plus for Desktop 	1- and 3-year Term licenses	CCU	10 pack	Commercial, Academic, Federal	HNX-ED-C10-TLSS-C HNX-ED-C10-3TLSS-C	VDI workloads only

VMware Cloud Foundation for Desktop

VMware Cloud Foundation™ for Desktop is used to host Horizon add-ons; custom and third-party desktop virtualization solutions; desktop management solutions; and products within the Horizon suite.

Table 13: VMware Cloud Foundation for Desktop licenses							
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Cloud Foundation for VDI	Includes: <ul style="list-style-type: none"> • VMware Cloud Foundation SDDC Manager™ • NSX-T for Desktop Advanced • Horizon Enterprise with vSphere and vSAN 	1- and 3-year Term licenses	CCU	10 pack	Commercial, Academic, Federal	CF4-B1-VDI-10-1Y-TLSS-C CF4-B1-VDI-10-3Y-TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)
VMware Cloud Foundation for VDI (without Horizon Enterprise)	Includes: <ul style="list-style-type: none"> • SDDC Manager • NSX-T for Desktop Advanced 	1- and 3-year Term licenses	CCU	10 pack	Commercial, Academic, Federal	CF4-B2-VDI-10-1Y-TLSS-C CF4-B2-VDI-10-3Y-TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)
VMware Cloud Foundation for VDI (without Horizon Enterprise)	Includes: <ul style="list-style-type: none"> • SDDC Manager • NSX-T for Desktop Enterprise Plus 	1- and 3-year Term licenses	CCU	10 pack	Commercial, Academic, Federal	CF4-B3-VDI-10-1Y-TLSS-C CF4-B3-VDI-10-3Y-TLSS-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)

VMware NSX Advanced Load Balancer for Horizon

VMware NSX Advanced Load Balancer™ seamlessly integrates with VMware Horizon and is available as an add-on license. NSX Advanced Load Balancer is VMware’s preferred load balancer for Horizon and delivers better automation and operational simplicity at a much lower cost than traditional load balancers. You can choose to rightsize deployments with a per-desktop user basis on concurrent user counts of 10, 100, 1,000, and 5,000.

Table 14: VMware NSX Advanced Load Balancer for Horizon licenses							
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware NSX Advanced Load Balancer for VDI	Includes: <ul style="list-style-type: none"> Multi-cloud load balancing Global server load balancing (GSLB), web application firewall (WAF) Machine learning (ML)-driven automation Application analytics 	Perpetual	CCU	10–99 CCU 100–999 CCU 1,000–4,999 CCU 5,000+ CCU	Commercial, Academic	NX-ALB-VDI-99CCU-C NX-ALB-VDI-999CCU-C NX-ALB-VDI-4999CCU-C NX-ALB-VDI-5000CCU-C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)
VMware NSX Advanced Load Balancer for VDI	Includes: <ul style="list-style-type: none"> Multi-cloud load balancing GSLB, WAF ML-driven automation Application analytics 	1- or 3-year Term licenses	CCU	10–99 CCU 100–999 CCU 1,000–4,999 CCU 5,000+ CCU	Commercial, Academic	NX-ALB-VDI-99CCU-1TLSS-C NX-ALB-VDI-999CCU-1TLSS -C NX-ALB-VDI-4999CCU-1TLSS -C NX-ALB-VDI-5000CCU-1TLSS -C	VDI workloads only No restriction on Horizon deployment types (Term and SaaS)

VMware Aria Universal Suite Standard Add-on for Horizon

VMware Aria Universal Suite™ is a SaaS management suite that helps accelerate cloud adoption. It combines SaaS and on-premises capabilities for automation, operations, log analytics, and network visibility in one license.

The VMware Aria Universal Suite Standard Add-on for Horizon (previously known as VMware vRealize® Cloud Universal™ Standard Add-on for Horizon) is priced per socket, so a 40:1 CCU to socket conversion is required when you purchase it. This conversion implies that 1 VMware Aria Universal Suite socket is equal to 40 concurrent users. You must purchase the VMware Aria Universal Suite Standard Add-on for Horizon based on CCU.

If you have NU licensing, you must purchase the appropriate CCU amount. For example, if you have 1,000 Horizon NU licenses, and at any given time you have 800 active desktops, you can purchase 800 CCUs, which equals 20 packs of the VMware Aria Universal Suite Standard Add-on for Horizon.

If you purchased a SaaS version of Horizon (for example, Horizon Universal Subscription), an initial minimum of two VMware Aria Universal Suite Standard Add-on for Horizon packs is required to meet the minimum 50 CCUs of Horizon SaaS core SKUs.

VMware Aria Universal Suite Standard Add-on for Horizon SKUs are only add-on SKUs. No core SKU is required.

Table 15: VMware Aria Universal Suite Standard Add-on for Horizon licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Aria Universal Suite Standard Add-on for Horizon	Includes VMware Aria Operations Management Pack for Horizon	1- to 5-year Term licenses	CCU	40 pack	Commercial, Academic	VR19-CL-STDAD-SUB-1Y-C	No restriction on Horizon deployment types (Term and SaaS)
Subscription Upgrade: VMware Aria Operations for Horizon User Qty 40 to VMware Aria Universal Suite Standard Add-on for Horizon	Includes: <ul style="list-style-type: none"> VMware Aria Operations Management Pack for Horizon Can only be used with existing VMware Aria Operations for Horizon entitlement 	1- to 5-year Term licenses	CCU	40 pack	Commercial, Academic	VR19-CL-STDAD-UG-SUB-1Y-C	No restriction on Horizon deployment types (Term and SaaS)

ControlUp for Horizon

VMware Advanced Monitoring powered by ControlUp and can be purchased as an add-on to Horizon. ControlUp Real-Time DX collects Horizon metrics in real time, so you can identify, troubleshoot and remediate problems before they negatively affect your employees' digital experience and productivity. ControlUp Insights collects up to one year of end-user computing (EUC) environment data for trends analysis and delivery of a better digital experience in the future.

ControlUp Scoutbees for Horizon is a cloud-based solution that uses continuous synthetic transaction testing to proactively alert you when the availability of your apps, desktops and network resources are impacted. Scoutbees allows IT operations teams to quickly identify what is causing the availability issues and address them before user productivity is impacted.

ControlUp Remote DX is designed for employees that use Horizon virtual desktops and applications. It collects relevant user-side telemetry that affects their digital employee experience, such as the quality and speed of the Wi-Fi connection, as well as the performance of their internet connection.

Table 16: ControlUp for Horizon licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Advanced Monitoring powered by ControlUp (for Horizon or Workspace ONE)	Includes: <ul style="list-style-type: none"> • ControlUp Platinum <ul style="list-style-type: none"> – ControlUp Real-Time DX – ControlUp Insights – One-year historical data • Automation • Real-time on-premises server • Insights on-premises server 	1-month, 1- to 3-year Term and SaaS licenses	CCU/NU	10-pack core 10-pack add-on	Commercial	HAH-CUADNUSAAS-12PT0-C1S HAH-CUADCUSAAS-12PT0-C1S	All Horizon licenses
ControlUp Scoutbees	Includes continuous synthetic transaction testing	1-month, 1- to 3-year SaaS licenses	CCU/NU	10-pack core 10-pack add-on	Commercial	HAH-SBADCUSAAS-12PT0-C1S HAH-SBADNUSAAS-12PT0-C1S	All Horizon licenses
ControlUp Remote DX	Includes digital experience and user-side telemetry	1-month, 1- to 3-year SaaS licenses	CCU/NU	10-pack core 10-pack add-on	Commercial	HAH-RDADCUSAAS-12PT0-C1S HAH-RDADNUSAAS-12PT0-C1S	All Horizon licenses

VMware Workspace ONE add-ons and bundles

Horizon Universal Subscription add-on option for Workspace ONE Enterprise

Table 17: Horizon Universal Subscription add-on option licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Horizon Universal Subscription Add-on Option	Includes: <ul style="list-style-type: none"> • Horizon Universal Subscription, with cloud control plane access and deployment options for on-premises or hosted infrastructure • With the on-premises option (EULA bound), the customer supplies the virtualization software 	1- to 5-year SaaS license	NU	1 pack	Commercial, Academic, Federal	WSU-AHULP-12PT0-C1S	For existing Workspace ONE Enterprise customers

VMware Workspace ONE Assist for VMware Horizon

VMware Workspace ONE Assist™ for VMware Horizon is a real-time remote employee support solution, specifically designed for Horizon customers with virtual desktop deployments. It's a cloud-based solution within the Horizon control plane and component of the help desk tool. It supports cloud-connected Horizon pods across on-premises and cloud deployments. It enables help desk staff to launch remote support sessions directly from the Horizon Universal console.

Table 18: VMware Workspace ONE Assist for Horizon licenses							
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
Workspace ONE Assist for Horizon add-on	Includes Workspace ONE Assist remote assistance	3-month, 1- to 5-year SaaS license	CCU/NU	10 pack	Commercial, Academic	HAH-ADNUAS-12MT0-C1S HAH-ADCUAS-12MT0-C1S	Horizon Standard Subscription Horizon Universal Subscription
Workspace ONE Assist for Horizon add-on for Horizon Universal add-on	Includes Workspace ONE Assist remote assistance	3-month, 1- to 5-year SaaS license	User	1 pack	Commercial, Academic	WMU-AARHP-12PT0-C1S	Horizon Universal Subscription Add-on to Workspace ONE

VMware Workspace ONE Intelligence for VMware Horizon

VMware Workspace ONE Intelligence™ for VMware Horizon delivers insights on health, performance and usage visibility for Horizon environments. It includes pre-built Horizon dashboards as well as customizable dashboards and reports. This includes physical device and VDI monitoring from one console and supports hybrid cloud.

Table 19: VMware Workspace ONE Intelligence for Horizon licenses							
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
Workspace ONE Intelligence for Horizon	Includes Workspace ONE Intelligence	N/A	N/A	N/A	N/A	Included with Horizon Universal Subscription, Horizon Apps Universal Subscription, and Horizon Apps Standard Subscription	Horizon Universal Subscription, Horizon Apps Universal Subscription, Horizon Apps Standard Subscription

VMware Workspace ONE Experience Analytics for Horizon

VMware Workspace ONE Experience Analytics™ for Horizon gives alerts and notifications, digital employee experience management (DEEM), and fast remediation for your Horizon environment. This add-on to Workspace ONE Intelligence for Horizon delivers end-to-end visibility for both physical and virtual endpoints for a one-stop shop. This is already part of the Workspace ONE Intelligence platform and does not require clients to be managed by Workspace ONE Unified Endpoint Management (UEM), so it is easily accessible for existing Horizon customers.

Table 20: VMware Workspace ONE Experience Analytics for Horizon licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
Workspace ONE Experience Analytics for Horizon	Includes Workspace ONE Experience Analytics	1-month, 3-month, 1-year, 2-year, 3-year SaaS license	CCU/NU	10 pack	Commercial, Academic	HAH-ADCUWE-12PTO-C1S	Horizon Universal Subscription, Horizon Apps Universal Subscription, Horizon Apps Standard Subscription

VMware Workspace ONE Access for Horizon

VMware Workspace ONE Access for Horizon is designed to provide employees with faster access to Horizon desktops, virtual apps, SaaS, web and native mobile apps with SSO and multifactor authentication. Workspace ONE Access on premises is included in Horizon perpetual and term editions. Workspace ONE Access SaaS is included in Horizon Subscription editions.

Table 21: VMware Workspace ONE Access for Horizon licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
VMware Workspace ONE Access for Horizon	Includes VMware Workspace ONE Access for Horizon	SaaS subscription with 1-, 2- and 3-year terms	CCU/NU	10-pack add-on	Commercial	WOA-AHPC-10-1Y-TLSS-C	All Horizon SaaS licenses

VMware Workspace ONE Enterprise SaaS bundle

VMware Workspace ONE Enterprise takes full advantage of new Windows capabilities and leverages industry-leading Workspace ONE UEM technology to enable desktop administrators to automate application distribution and updates on the fly. Combined with Horizon virtualization technology, automating the application delivery process enables better security and compliance. Minimum initial purchase of 25 devices.

Table 22: VMware Workspace ONE Enterprise SaaS bundle licenses

Edition	Description	License type	Licensing model	Packaging	SKU type	SKU
VMware Workspace ONE Enterprise	Includes: <ul style="list-style-type: none"> • Workspace ONE Advanced for 1 device • Workspace ONE Intelligence for 1 device • Horizon Apps Universal license for 1 named user 	1- to 5-year SaaS license	Device	1 pack	Commercial, Academic	WSD-AECAP-12PT0-C1S

Routes to market

- **OEM/eOEM** – Horizon Term licenses and Horizon Apps Term licenses are available via the OEM/eOEM route to market. Horizon Subscription Upgrade SKUs are not available via the OEM/eOEM route to market.
- **VMware Cloud Services Provider Program rental and MSP** – Horizon and Horizon Apps are available via VMware Cloud Services Provider™ Program rental and managed service provider (MSP) programs. Horizon Subscription Upgrade SKUs are not available via the VMware Cloud Services Provider Program and MSP.

Products and editions that have reached end of availability

- **VMware Horizon Standard, Advanced and Enterprise perpetual editions** – VMware ended availability of Horizon Standard, Advanced and Enterprise (including add-on/no vSphere) perpetual offerings, effective May 6, 2021. Customers can continue to purchase support until end of support life (EOSL).
- **VMware Horizon Apps Standard and Advanced perpetual editions** – VMware ended availability of Horizon Apps Standard and Advanced (including add-on/no vSphere) perpetual offerings, effective January 28, 2022. Customers can continue to purchase support until EOSL.
- **VMware Horizon Standard Subscription** – VMware ended availability of Horizon Standard Subscription (including no vSphere) in April 2022. However, existing Horizon Standard Subscription customers may renew Horizon Standard Subscription (current as of January 2023).
- **VMware vRealize for Horizon perpetual edition** – VMware ended general support of VMware vRealize for Horizon, effective October 15, 2022.

For more information about VMware Product Lifecycle timeframes, including general availability, support, and technical guidance, see the [VMware Product Lifecycle Matrix](#).

