

# Horizon

Packaging and licensing

## Table of contents

Overview . . . . .	4
General purchasing and support information . . . . .	4
Edition feature comparisons and upgrade tool . . . . .	4
Deployment options and management responsibilities . . . . .	5
Horizon licensing model . . . . .	6
When to use NU or CCU . . . . .	7
Reassigning NU licenses . . . . .	8
Mixing licenses . . . . .	8
Horizon SaaS edition details . . . . .	9
Horizon Universal Subscription . . . . .	9
Horizon Enterprise Plus Subscription . . . . .	10
Horizon Standard Plus Subscription . . . . .	10
Horizon Standard Subscription <sup>1</sup> . . . . .	10
Horizon Apps Universal Subscription . . . . .	11
Horizon Apps Standard Subscription . . . . .	11
Horizon Term edition details . . . . .	12
Horizon Enterprise Term . . . . .	12
Horizon Advanced Term . . . . .	12
Horizon Standard Term . . . . .	12
Horizon Apps Advanced Term . . . . .	13
Horizon Apps Standard Term . . . . .	13
Subscription Upgrade Program for Horizon . . . . .	17
Related product details . . . . .	19
App Volumes . . . . .	19
Dynamic Environment Manager . . . . .	20
ThinApp . . . . .	21
Horizon for Linux . . . . .	22
Add-on product details . . . . .	23
Horizon Accelerator . . . . .	23

Workspace ONE add-ons and bundles . . . . .	24
Workspace ONE Assist for Horizon	25
Workspace ONE Intelligence for Horizon	26
Workspace ONE Experience Analytics for Horizon	27
Workspace ONE Access for Horizon	27
Workspace ONE Enterprise SaaS bundle	28
Routes to market . . . . .	29
Products and editions that have reached end of availability . . . . .	29

On November 22, 2023, Broadcom Inc. completed its acquisition of VMware, Inc.

On December 7, 2023, Broadcom CEO Hock Tan announced his intention to divest VMware’s End-User Computing Division (EUC).

EUC is currently a division of Broadcom.

## Overview

[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 Broadcom 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 [Anywhere Workspace](#). This white paper covers packaging and licensing of the Horizon product family, including Horizon editions and related products. Pricing information is accessible through the Broadcom or Broadcom partner price lists, or through your local Broadcom 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 Broadcom [product end-user license agreement \(EULA\)](#) or Broadcom price lists. Information in this guide is also subject to change and will be updated accordingly.

## General purchasing and support information

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

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 Broadcom 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 Broadcom software-defined data center (SDDC) (on premises or on 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 Horizon Cloud Service™ on Microsoft Azure, you only have the responsibility to manage desktops and apps, leaving the infrastructure layers managed by Broadcom 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. With Horizon Standard Plus Subscription and Horizon Enterprise Plus Subscription, you can't deploy desktops and apps 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	Horizon on premises	Horizon on Azure Solution	Horizon on Cloud on AWS	Horizon on Cloud on Dell	Horizon on Google Cloud Engine	Horizon on Oracle Cloud 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	Broadcom
SDDC	Customer	Microsoft Azure	Cloud	Dell	Google Cloud	Oracle Cloud	N/A (native Azure)
Physical hardware	Customer	Microsoft Azure	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., 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 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.

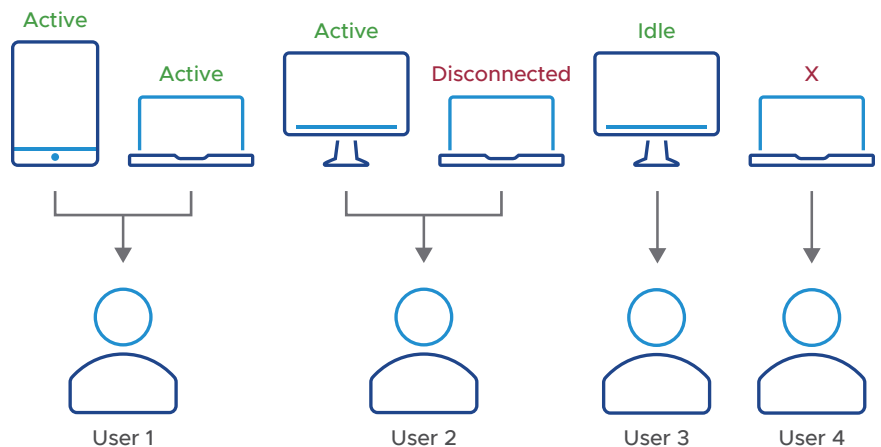
### When to use NU or CCU

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.

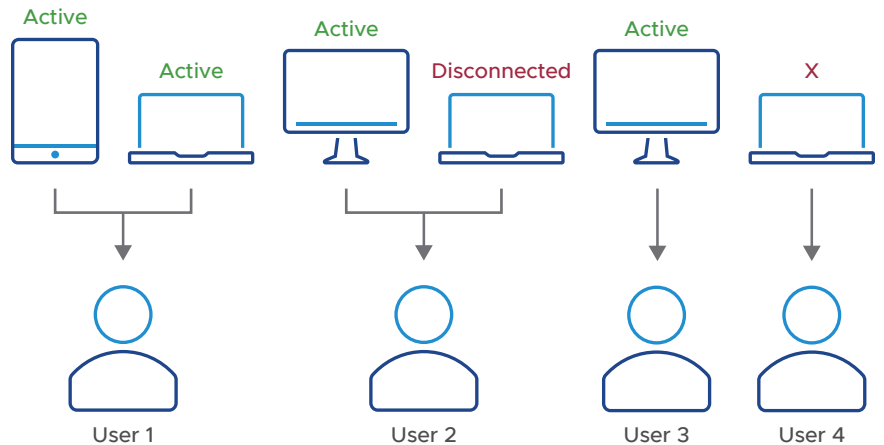
**Note:** If the primary use case is around Horizon desktops for kiosks, you should buy CCU licenses.

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 Broadcom 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

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 Horizon Service Universal Broker™, Image Management Service, App Management Service, and Cloud Monitoring Service
- Workspace ONE Intelligence™ for 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
- 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, 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
- VMware vSphere Desktop and VMware 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 Subscription<sup>1</sup>

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

- Windows VDI
- VMware vSphere Desktop and VMware 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

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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
- VMware vSphere Desktop and VMware 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 VMware vSphere Desktop and VMware 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
- VMware vSphere Desktop, VMware vCenter, and VMware 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
- VMware vSphere Desktop, VMware vCenter, and VMware 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
- VMware vSphere Desktop and VMware 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
- VMware vSphere Desktop and VMware 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 <sup>2</sup>	License type <sup>3</sup>	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
Horizon Standard Subscription <sup>4</sup>	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

Table 2: Horizon SaaS licenses						
Edition <sup>2</sup>	License type <sup>3</sup>	Packaging	Licensing model	Core/add-on	SKU type	SKU (example of 12-month prepaid for commercial customers)
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 VMware vSphere Desktop and VMware 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 VMware vSphere Desktop, VMware vCenter and, depending on the edition, VMware 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.  
 5. 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 <sup>5</sup>	Packaging	Licensing model	Core/add-on	SKU type	SKU
Horizon Enterprise Term <sup>6</sup>	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 <sup>6</sup>	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 <sup>6</sup>	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 VMware vSphere Desktop, VMware vCenter and, depending on the edition, VMware 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 Universal Subscription, CCU
	Horizon Standard Term, CCU Horizon Enterprise Term, NU or CCU
Horizon Advanced Perpetual, NU	Horizon Universal Subscription, NU
	Horizon Advanced Term, NU Horizon Enterprise Term, NU or CCU
Horizon Advanced Perpetual, CCU	Horizon Universal Subscription, CCU
	Horizon Advanced Term, CCU Horizon Enterprise Term, CCU
Horizon Enterprise Perpetual, NU	Horizon Universal Subscription, NU
	Horizon Enterprise Term, NU
Horizon Enterprise Perpetual, CCU	Horizon Universal Subscription, CCU
	Horizon Enterprise Term, CCU
Horizon Apps Standard Perpetual, NU	Horizon Apps Universal Subscription, NU
	Horizon Apps Standard Term, NU
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

Table 4: Horizon Subscription upgrade paths	
From (Perpetual or SaaS)	To (SaaS or Term)
Horizon Apps Advanced Perpetual, CCU	Horizon Apps Universal Subscription, CCU
	Horizon Apps Advanced Term, CCU
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 VMware vSphere), NU
Horizon Standard Add-on Perpetual, CCU	Horizon Universal Subscription (no VMware vSphere), CCU
	Horizon Standard Term (no VMware vSphere), CCU
Horizon Advanced Add-on Perpetual, NU	Horizon Universal Subscription (no VMware vSphere), NU
	Horizon Advanced Term (no VMware vSphere), NU
Horizon Advanced Add-on Perpetual, CCU	Horizon Universal Subscription (no VMware vSphere), CCU
	Horizon Advanced Term (no VMware vSphere), CCU
Horizon Enterprise Add-on Perpetual, NU	Horizon Universal Subscription (no VMware vSphere), NU
	Horizon Universal Subscription (no VMware vSphere), NU
Horizon Enterprise Add-on Perpetual, CCU	Horizon Universal Subscription (no VMware vSphere), CCU
	Horizon Universal Subscription (no VMware vSphere), CCU
Horizon Universal Subscription, NU	Horizon Universal Subscription, CCU

## Related product details

### App Volumes

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

### Dynamic Environment Manager

Dynamic Environment Manager™ offers personalization and dynamic policy configuration across any virtual, physical and cloud-based environment. 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. 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 Dynamic Environment Manager Enterprise. Horizon Apps Standard Subscription and Horizon Standard Plus Subscription include Dynamic Environment Manager Standard.

Table 6: Dynamic Environment Manager licenses						
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU
Dynamic Environment Manager	Includes personalization and policy management	Term	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

### ThinApp

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

### Horizon for Linux

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

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

## Add-on product details

### Horizon Accelerator

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

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



### Workspace ONE Assist for Horizon

Workspace ONE Assist™ for 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: 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

### Workspace ONE Intelligence for Horizon

Workspace ONE Intelligence™ for 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: 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

### Workspace ONE Experience Analytics for Horizon

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: 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-12PT0-C1S	Horizon Universal Subscription, Horizon Apps Universal Subscription, Horizon Apps Standard Subscription

### Workspace ONE Access for Horizon

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 SaaS is included in Horizon Subscription editions.

Table 21: Workspace ONE Access for Horizon licenses							
Edition	Description	License type	Licensing model	Packaging	SKU type	SKU	Compatibility
Workspace ONE Access for Horizon	Includes 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

### Workspace ONE Enterprise SaaS bundle

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: Workspace ONE Enterprise SaaS bundle licenses

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

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

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

