

VMWARE WORKSPACE ONE AND VMWARE HORIZON

Packaging and Licensing

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Overview

VMware End-User-Computing products help IT break the current technology barriers and shift the focus from reacting to delivering services for business agility and workforce productivity. With VMware, IT organizations can meet end-user demands for a consistent and intuitive experience across devices—in the office, at home, or on the go—while ensuring that the business computing environment is secure, easy to manage, and in continuous compliance.

This white paper covers packaging and licensing of the VMware End-User-Computing products including VMware Horizon® Editions (including Horizon Air™ (DaaS) and Horizon FLEX™), VMware Workspace™ ONE™, and VMware Mirage™. Pricing is accessible through the pricebook, which is updated and posted internally monthly, or through your local VMware representative.

This guide is intended as a quick reference to understand the product portfolio at a high level, with corresponding SKUs. It does not contain detailed product or competitive information, which can be accessed through the Vault or Partner Central. It is not intended to replace or contradict the EULA. Please refer to the [product EULA](#) for more detailed information.

General Purchasing Information

VMware End-User-Computing products can be purchased through VMware distributors and Partners, or in certain cases, through VMware directly.

All VMware on-premises perpetual products must be purchased in conjunction with Support and Subscription (SnS). Support and Subscription is available in two different flavors: Basic and Production. The main difference between the two is that with Basic the user is entitled to support 12 hours a day, 5 days a week, and with Production the user is entitled to support 24 hours a day, 7 days a week. Both support options entitle the user to all updates and upgrades and can be purchased in either 1-year or 3-year contracts. For support details, access the [Basic](#) and [Production](#) Web pages.

Online Selection Tools and Wizards

Purchase SKUs and upgrade paths can be unnecessarily complicated. We have created two online lookup tools to help guide you.

- **Horizon Editions Selection Tool** - VMware Horizon is available in three editions: Horizon Standard, Advanced, and Enterprise. Access the [selector guide](#) to help choose the right edition for your needs.
- **Horizon Editions Upgrade Tool** - Enter the product or SKU the customer currently has, select the product the customer wants upgrade to, and the tool will provide the upgrade path. Use the [Upgrade Tool](#) to help choose the right upgrade path.

Product Details – Core Products

VMware Workspace ONE

VMware Workspace ONE is a simple and secure enterprise platform that delivers and manages any app on any device by integrating identity, application, and enterprise mobility management.

- **Workspace ONE Application Access (formerly Workspace ONE Essentials)** is a great entry point for use cases where end users only need access to a unified catalog with single sign-on (SSO) access to web and mobile applications from unmanaged devices. It is targeted at use cases where end users do not need unified endpoint management.
- **Workspace ONE Standard** also serves as an entry point for any “bring-your-own-device” (BYO) program and builds on Workspace ONE Application Access. It has basic data security and access control and includes unified endpoint management for enterprise line-of-business applications.
- **Workspace ONE Advanced** includes all the features of the Standard Edition and is targeted at users who require access to sensitive apps and data. Workspace ONE Advanced includes unified endpoint management for corporate-owned or BYO devices.
- **Workspace ONE Enterprise** includes all the features of the Advanced Edition, and adds the ability for users to access corporate Windows apps that they otherwise cannot get.

Workspace ONE can be obtained in two different ways: as a cloud subscription service, or purchased as a perpetual license for on-premises deployment. Workspace ONE is always sold on a per-Named-User basis. It is available as shown in the table below.

PRODUCT	DESCRIPTION	PACKAGING	SKU	PRICE
Workspace ONE Application Access, Perpetual	Includes: <ul style="list-style-type: none"> • Self Service Catalog • Federation/ Single-Sign-On (SSO) • Basic Conditional Access • All App Types 	1-pack, minimum order quantity of 25	V-WOAA-PLL-D-C (Per Device) V-WOAA-PLL-U-C (Per User)	
Workspace ONE Standard, Perpetual	Includes: <ul style="list-style-type: none"> • Workspace ONE Application Access + • App Suite <ul style="list-style-type: none"> - Email - Calendar - Social Chat - Content Locker Std. (View) • Basic Device Compliance • One-Touch Mobile SSO • Mobile App Management (MAM) 	1-pack, minimum order quantity of 25	V-WOS-PLL-U-C	

PRODUCT	DESCRIPTION	PACKAGING	SKU	PRICE
Workspace ONE Advanced, Perpetual	Includes: <ul style="list-style-type: none"> • Workspace ONE Standard + • Full Mobile Device Management (MDM) • Advanced Compliance • Advanced Software Distribution (PC) • Windows OS Patch Management (PC) • SDK Support for Internal Apps • Content Locker Adv. (View and Collaborate) • Telecom 	1-pack, minimum order quantity of 25	V-WOA-PLL-U-C	
Workspace ONE Enterprise, Perpetual	Includes: <ul style="list-style-type: none"> • Workspace ONE Advanced + • Horizon 7 Enterprise Edition <ul style="list-style-type: none"> - Virtual Desktops and Applications 	10-pack 100-pack	V-WOE-PLL-10U-C V-WOE-PLL-U-C	
Workspace ONE Application Access, Cloud Subscription	Includes: <ul style="list-style-type: none"> • Self-Service Catalog • Federation/ Single-Sign-On (SSO) • Basic Conditional Access • All App Types 	1-pack, minimum order quantity of 25 (Must be purchased for 1-year term, minimum)	V-WOAA-CLD-D-G-C (Per Device, Basic Support) V-WOAA-CLD-D-P-C (Per Device, Prod. Support) V-WOAA-CLD-U-G-C (Per User, Basic Support) V-WOAA-CLD-U-P-C (Per User, Prod. Support)	\$1.50 (Basic Support) \$1.57 (Prod. Support, Per Device / Month) \$2.50 (Basic Support) \$2.62 (Prod. Support, Per Named User / Month)
Workspace ONE Standard, Cloud Subscription	Includes: <ul style="list-style-type: none"> • Workspace ONE Essentials + • App Suite <ul style="list-style-type: none"> - Email - Calendar - Social Chat - Content Locker Std. (View) • Basic Device Compliance • One-Touch Mobile SSO • Mobile App Management (MAM) 	1-pack, minimum order quantity of 25 (Must be purchased for 1-year term, minimum)	V-WOS-CLD-U-G-C (Basic Support) V-WOS-CLD-U-P-C (Prod. Support)	\$7 (Basic Support) \$8 (Prod. Support) Per Named User/ Month

PRODUCT	DESCRIPTION	PACKAGING	SKU	PRICE
Workspace ONE Advanced, Cloud Subscription	Includes: <ul style="list-style-type: none"> • Workspace ONE Standard + • Full Mobile Device Management (MDM) • Advanced Compliance • Advanced Software Distribution (PC) • Windows OS Patch Management (PC) • SDK Support for Internal Apps • Content Locker Adv. (View and Collaborate) • Telecom 	1-pack, minimum order quantity of 25 (Must be purchased for 1-year term, minimum)	V-WOA-CLD-U-G-C (Basic Support) V-WOA-CLD-U-P-C (Prod. Support)	\$11 (Basic Support) \$12 (Prod. Support) Per Named User/ Month

The following upgrades are available to and within the Workspace ONE Editions:

SUBSCRIPTION - ALL 1-YEAR TERMS, SHARED CLOUD				
UPGRADE FROM		UPGRADE TO	SKU	PRICE PER USER
AirWatch Green, Basic Support	Per Device	Workspace ONE Advanced, Basic Support	V-UG-GDWOA-CLD-U-G-C	\$88
AirWatch Orange, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-ODWOA-CLD-U-G-C	\$78
AirWatch Blue, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-BDWOA-CLD-U-G-C	\$62
AirWatch Yellow, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-YDWOA-CLD-U-G-C	\$22
AirWatch Green, Basic Support	Per User	Workspace ONE Advanced, Basic Support	V-UG-GUWOA-CLD-U-G-C	\$32
AirWatch Orange, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-OUWOA-CLD-U-G-C	\$11
Workspace ONE Essentials, Basic Support		Workspace ONE Standard, Basic Support	V-UG-WESS-CLD-U-G-C	\$42.90
Workspace ONE Essentials, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-WESA-CLD-U-G-C	\$95.70
Workspace ONE Standard, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-WSA-CLD-U-G-C	\$53

AirWatch Green, Prod. Support	Per Device	Workspace ONE Advanced, Prod. Support	V-UG-GDWOA-CLD-U-P-C	\$100
AirWatch Orange, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-ODWOA-CLD-U-P-C	\$90
AirWatch Blue, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-BDWOA-CLD-U-P-C	\$70
AirWatch Yellow, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-YDWOA-CLD-U-P-C	\$30
AirWatch Green, Prod. Support	Per User	Workspace ONE Advanced, Prod. Support	V-UG-GUWOA-CLD-U-P-C	\$50
AirWatch Orange, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-OUWOA-CLD-U-P-C	\$20
Workspace ONE Essentials, Prod. Support		Workspace ONE Standard, Prod. Support	V-UG-WESS-CLD-U-P-C	\$56.10
Workspace ONE Essentials, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-WESA-CLD-U-P-C	\$108.90
Workspace ONE Standard, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-WSA-CLD-U-P-C	\$52
Horizon Enterprise Edition (Named or CCU), Horizon Apps Advanced (Named or CCU) and Horizon Cloud Service*		VMware Workspace ONE Advanced Add-on for Horizon Enterprise Edition, Horizon Apps Advanced and Horizon Cloud Service, 1 year, Shared Cloud SaaS, 1 user	V-WOA-AD-CLD-U-G-C (Basic Support)	\$84
			V-WOA-AD-CLD-U-P-C (Production Support)	\$88.90
PERPETUAL				
UPGRADE FROM		UPGRADE TO	SKU	
AirWatch Green	Per Device	Workspace ONE Advanced	V-UG-GDWOA-PLL-U-C	
AirWatch Orange		Workspace ONE Advanced	V-UG-ODWOA-PLL-U-C	
AirWatch Blue		Workspace ONE Advanced	V-UG-BDWOA-PLL-U-C	
AirWatch Yellow		Workspace ONE Advanced	V-UG-YDWOA-PLL-U-C	
AirWatch Green	Per User	Workspace ONE Advanced	V-UG-GUWOA-PLL-U-C	
AirWatch Orange		Workspace ONE Advanced	V-UG-OUWOA-PLL-U-C	
Workspace ONE Essentials		Workspace ONE Standard	V-UG-WESS-PLL-U-C	
Workspace ONE Essentials		Workspace ONE Advanced	V-UG-WESA-PLL-U-C	
Workspace ONE Standard		Workspace ONE Advanced	V-UG-WSA-PLL-U-C	

STEP-UP FROM		STEP-UP		
Horizon Enterprise Edition (Named or CCU), Horizon Apps Advanced (Named or CCU) and Horizon Cloud Service*		VMware Workspace ONE Advanced Add-on for Horizon Enterprise Edition, Horizon Apps Advanced and Horizon Cloud Service, Perpetual, 1 user	V-WOA-AD-PLL-U-C	

*One Add-on license available for purchase for every Horizon Enterprise license owned, regardless of licensing type (Named or Concurrent User).

For Workspace ONE SaaS SKUs, the shared hosting service is automatically included in the base SKU. If Managed (dedicated) hosting is desired, then a Managed hosting add-on SKU and corresponding setup SKU is required.

For Workspace ONE Perpetual licenses, there is the option to have the licenses hosted by VMware. For this option, there are both Shared and Managed hosting SKUs. The Managed hosting service/SKU requires a corresponding setup fee/SKU to initiate service. There is no setup fee for the Shared hosting service/SKU. See the SKU chart below for details:

	SKU DESCRIPTION	SKU	METRIC
SHARED HOSTING SERVICE SKU			
	Perpetual: VMware Workspace ONE Cloud - Shared Environment for Perpetual Licenses: 1 User for 1 year	V-WOHOS-CLD-U-C	Per User
	SaaS: Default hosting, included in subscription SKU	No additional hosting SKU needed	
MANAGED HOSTING SERVICE SKU			
	SaaS: Managed Hosting Workspace ONE Per Year - AW and IDM	V-WOHOS-MCL-U-C	Per User
	SaaS: Managed Hosting Workspace ONE Per Year - AW only	V-WOHOS-AMCL-U-C	Per User
	Perpetual: Managed Hosting Workspace ONE Per Year - AW and IDM	V-WOHOS-MPL-U-C	Per User
	Perpetual: Managed Hosting Workspace ONE Per Year - AW only	V-WOHOS-AMPL-U-C	Per User
	Add-on SKU for Blue and Yellow AirWatch dedicated customers and must be purchased in conjunction with the base AirWatch dedicated SKU.	V-UG-WOHOS-APC-D-C	Per Device

MANAGED HOSTING SETUP FEE, SAAS AND PERPETUAL			
	Workspace ONE Managed Hosting setup fee, AirWatch + VMware Identity Manager - applies to both SaaS and Perpetual.	V-PS-WOHOS	One-Time Fee
	Workspace ONE Managed Hosting setup fee, AirWatch-only - applies to both SaaS and Perpetual.	V-PS-DHE-SET	One-Time Fee
	Upgrade from Workspace ONE Managed hosting for AirWatch-only to AirWatch + VMware Identity Manager setup fee - applies to both SaaS and Perpetual.	V-PS-UG-WOHOS	One-Time Fee

VMware Identity Manager

VMware Identity Manager™ is identity management for the mobile and cloud era that delivers on consumer-grade expectations like one-click access to apps, optimized with AirWatch, and backed by a self-service app catalog with enterprise-class management and security expected from the leader in hybrid cloud infrastructure. VMware Identity Manager Standard replaced VMware Workspace™ Portal on December 15, 2015.

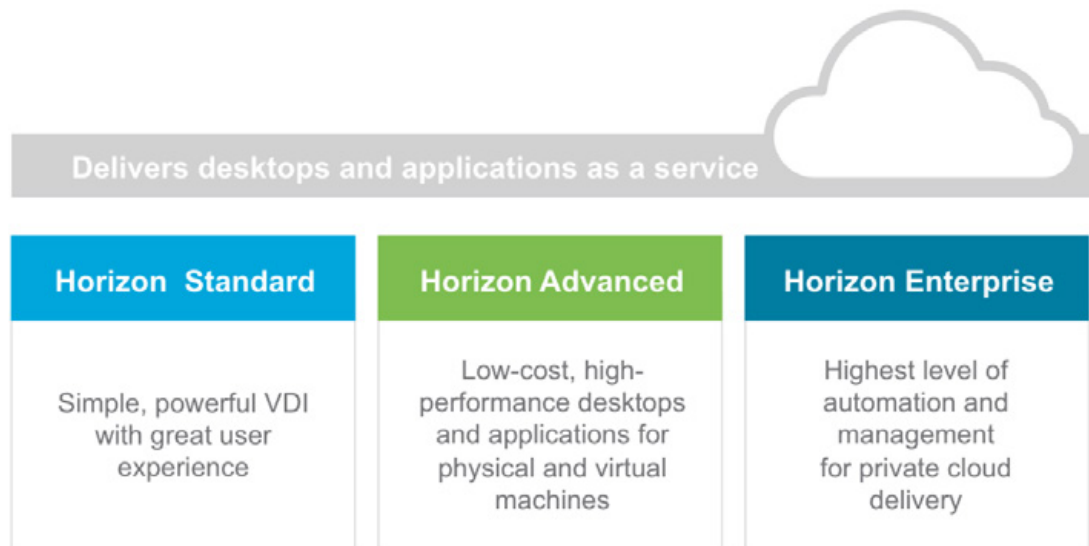
- VMware Identity Manager is licensed per Named User.
- VMware Identity Manager Standard is identical in functionality to Workspace Portal and serves as a replacement for current entitlements to Workspace Portal and as a component in select bundles. It is not sold as a standalone product.
 - VMware Identity Manager Advanced Edition has been EOL, except for the on-premises perpetual version for Federal customers. Other customers who have a need for identity management can purchase Workspace ONE SKUs.
- VMware Identity Manager Advanced is available both as an annual subscription, and as perpetual on-premises licenses.
- VMware Identity Manager Advanced is available in quantities of one, with a 25-user minimum.

PRODUCT	DESCRIPTION	SKU
VMware Identity Manager Standard Edition	Includes: <ul style="list-style-type: none"> • Enterprise app catalog • ThinApp Client and Packager • VMware Workstation Pro™ (1 Admin license) • Single sign-on for Web, SaaS, native mobile apps 	Not sold separately
VMware Identity Manager Advanced Edition (for Federal customers only)	Includes: <ul style="list-style-type: none"> • Enterprise app catalog • ThinApp Client and Packager • Workstation Pro (1 Admin license) • Single sign-on for Web, SaaS, native mobile apps • Lightweight AirWatch enrollment 	On-premises perpetual V-IDM-PLL-U-F

VMware Horizon 7 Editions

Horizon is a family of desktop and application virtualization solutions designed to deliver Windows and online services on premises. With Horizon 7, VMware extends the power of virtualization—from data centers to devices—to deliver desktop and application virtualization with great user experience and closed-loop manageability.

VMware Horizon 7 is available in three editions: Horizon Standard, Advanced, and Enterprise. All three editions include all components needed for an end-to-end virtual desktop deployment. Access the [selector guide](#) to help choose the right edition for your needs.



- **Horizon Standard Edition** – Simple, powerful VDI with great user experience
- **Horizon Advanced Edition** – Cost-effective delivery of desktops and applications through a unified workspace
- **Horizon Enterprise Edition** – Desktop and application delivery with closed-loop management and automation
- **Horizon for Linux** – Simple, powerful VDI for Linux operating system

VMware Horizon 7 Edition Bundle Components

VMware Horizon Standard Edition, Advanced Edition, Enterprise Edition, and Horizon for Linux are composed of the individual components in the table below. Most of the components found in the Horizon Advanced and Enterprise editions are also licensed à la carte (e.g., VMware ThinApp® can be purchased as a standalone product), the exception being VMware Identity Manager™ Standard.

FEATURE	SUB-COMPONENT/ PRODUCT	HORIZON FOR LINUX	HORIZON STANDARD	HORIZON ADVANCED	HORIZON ENTERPRISE
LICENSE ENTITLEMENT					
Concurrent User (CCU)		Yes	Yes	Yes	Yes
Named User				Yes	Yes
DESKTOP AND APPLICATIONS					
Windows virtual desktops	VMware Horizon		Yes	Yes	Yes
Linux desktops	VMware Horizon for Linux	Yes			Yes
Unified workspace – XenApp, RDSH, SaaS, ThinApp	VMware Identity Manager Standard			Yes	Yes
Published applications (RDSH) and session-based desktops	RDS Published Apps			Yes	Yes
Packaged applications	VMware ThinApp		Yes	Yes	Yes
BLAST Performance (3D, UC, MMR, etc.)	VMware Horizon	Yes	Yes	Yes	Yes
Virtualization Pack for Skype for Business	VMware Horizon			Yes	Yes
Application and desktop access with single sign-on	VMware Identity Manager Standard			Yes	Yes
WORKSPACE ENVIRONMENT MANAGEMENT					
IMAGE MANAGEMENT					
Image management for physical desktop	VMware Mirage			Yes	Yes

FEATURE	SUB-COMPONENT/ PRODUCT	HORIZON FOR LINUX	HORIZON STANDARD	HORIZON ADVANCED	HORIZON ENTERPRISE
WORKSPACE ENVIRONMENT MANAGEMENT (CONTINUED)					
DESKTOP AND APPLICATION MANAGEMENT					
Real-time application delivery	VMware App Volumes™ Enterprise				Yes
Just-in-Time Delivery with Instant-Clone Technology	VMware Horizon				Yes
USER ENVIRONMENT MANAGEMENT					
User, profile, and policy management	VMware User Environment Manager™				Yes
CLOUD ANALYTICS AND OPERATIONS MANAGEMENT					
Help Desk Tool	VMware Horizon				Yes
Operations dashboard - health monitoring and performance analytics	VMware vRealize® Operations for Horizon				Yes
Capacity management - planning and optimization	VMware vRealize Operations for Horizon				Yes
INFRASTRUCTURE					
STORAGE					
Virtual storage	VMware vSAN™ Advanced for Desktop* with all-flash			Yes	Yes
DESKTOP INFRASTRUCTURE					
Cloud infrastructure	VMware vSphere® Desktop** and VMware vCenter™ Desktop	Yes	Yes	Yes	Yes

*On September 10, 2015, Horizon Advanced and Enterprise Editions were upgraded from vSAN Standard to vSAN Advanced which includes the all-flash add-on.

**vSphere Desktop included in Horizon Editions has the same features and functionality of vSphere Enterprise Plus.

PRODUCT	DESCRIPTION	PACKAGING	SKU
Horizon 7 Standard (CCU)	Includes: <ul style="list-style-type: none"> • VDI • ThinApp Packager/ Client • Workstation (1 admin license) • vSphere Desktop • vCenter Desktop (includes 25 Operating System Instances [OSIs] of VMware vRealize Log Insight™ for vCenter for Desktop) 	10-pack 100-pack	HZ7-STD-10-C HZ7-STD-100-C
Horizon 7 Advanced (Named)	Includes: <ul style="list-style-type: none"> • Horizon 7 Standard • Hosted Apps (RDSH) 	10-pack 100-pack	HZ7-ADN-10-C HZ7-ADN-100-C
Horizon 7 Advanced (CCU)	Includes: <ul style="list-style-type: none"> • Mirage • Virtualization pack for Skype for Business • VMware Fusion® Pro • vSAN Advanced for Desktop (Named) 		HZ7-ADC-10-C HZ7-ADC-100-C
Horizon 7 Enterprise (Named)	Includes: <ul style="list-style-type: none"> • Horizon 7 Advanced • App Volumes Enterprise 	10-pack 100-pack	HZ7-ENN-10-C HZ7-ENN-100-C
Horizon 7 Enterprise (CCU)	Includes: <ul style="list-style-type: none"> • User Environment Manager • Instant Clones • vRealize Operations for Horizon (includes support for third-party VDI/ RDSH environments) • Help Desk Tool • Linux VDI 		HZ7-ENC-10-C HZ7-ENC-100-C
Horizon 7 for Linux	Includes: <ul style="list-style-type: none"> • Linux VDI • vSphere Desktop • vCenter Desktop 	10-pack 100-pack	HZ7-LXC-10-C HZ7-LXC-100-C

Horizon Add-Ons

Horizon Add-Ons include desktop components only and customers must already have vSphere in their environment or purchase vSphere separately. Horizon Add-Ons do not include vSphere, vCenter, or vSAN.

The Add-Ons are intended to provide a version of Horizon at a discounted price for customers that already have vSphere.

PRODUCT	DESCRIPTION	PACKAGING	SKU	
Horizon Standard Add-On	For customers who already have vSphere and vCenter and want Horizon Standard Edition	10-pack 100-pack	HZ7-STD-A10-C HZ7-STD-A100-C	
Horizon 7 Advanced Add-On (Named)	VMware Horizon 7 Advanced Add-On. Does not include vSphere, vCenter, and vSAN	10-pack 100-pack	HZ7-ADN-A10-C HZ7-ADN-A100-C	
Horizon 7 Advanced Add-On (CCU)		10-pack 100-pack	HZ7-A10-AERC-C HZ7-A100-AERC-C	
Horizon 7 Enterprise Add-On (Named)	VMware Horizon 7 Enterprise Add-On. Does not include vSphere, vCenter, and vSAN	10-pack 100-pack	HZ7-ENN-A10-C HZ7-ENN-A100-C	
Horizon 7 Enterprise Add-On (CCU)		10-pack 100-pack	HZ7-E10-AERC-C HZ7-E100-AERC-C	
Upgrade: Standard Add-on to Advanced Add-on (Named)	Upgrade: VMware Horizon 7 Standard Add-on to Horizon 7 Advanced Add-on. Does not include vSphere, vCenter, and vSAN	1 CCU to 2 Named	10-pack 100-pack	HZ7-STA-ADNA20-UG-C HZ7-STA-ADNA200-UG-C
Upgrade: Standard Add-on to Advanced Add-on (CCU)		1 CCU to 1 CCU	10-pack 100-pack	HZ7-STA-ADCA10-UG-C HZ7-STA-ADCA100-UG-C
Upgrade: Standard Add-on to Enterprise Add-on (Named)	Upgrade: VMware Horizon 7 Standard Add-on to Horizon 7 Enterprise Add-on. Does not include vSphere, vCenter, and vSAN	1 CCU to 2 Named	10-pack 100-pack	HZ7-STA-ENNA20-UG-C HZ7-STA-ENNA200-UG-C
Upgrade: Standard Add-on to Enterprise Add-on (CCU)		1 CCU to 1 CCU	10-pack 100-pack	HZ7-STA-ENCA10-UG-C HZ7-STA-ENCA100-UG-C
Upgrade: Advanced Add-On to Enterprise Add-On (Named)	Upgrade: VMware Horizon 7 Advanced Add-On to Horizon 7 Enterprise Add-On. Does not include vSphere, vCenter, and vSAN	10-pack 100-pack	HZ7-ENN-A10-UG-C HZ7-ENN-A100-UG-C	
Upgrade: Advanced Add-On to Enterprise Add-On (CCU)		10-pack 100-pack	HZ7-E10-AERC-UG-C HZ7-E100-AERC-UG-C	

Horizon Desktop Licensing Model – Named User vs. Concurrent Connection

Horizon Advanced and Enterprise are available based 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 throughout the day.
- **Perpetual 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.

In both NU and CCU metrics, the components of the bundle cannot be split between users. This applies to both named and concurrent connection instances. Although it has individual components, they 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 View—the other associated components of the bundle (e.g., VMware Identity Manager and Mirage) are also considered to be attached to that user and not available to be entitled to other users.

Example:

Organization A has 100 concurrent-connection licenses of Horizon Enterprise. 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 Named User (NU) and When to Use Concurrent-Connection User (CCU)

If the primary use case is around Horizon desktops and the customer has 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) and the customer does not foresee needing more than 300 instances of Mirage, Horizon FLEX, or VMware Identity Manager at any given time, then the customer should buy 300 CCU of Horizon.

If the primary use case is around Horizon desktops and the customer does not have shift workers (e.g., all 500 employees are always connected at the same time) then the customer should buy NU. In this instance, the customer would also have access to 500 seats of Mirage, Horizon FLEX, and VMware Identity Manager portal to entitle to these same 500 employees.

If the primary use case is around Horizon desktops and the customer has 300 shift workers in the morning and 200 in the evening, and the customer has 50 other non-shift workers that need Mirage (for example), then the customer should buy 300 per-CCU licenses of Horizon and an additional 50 seats of Mirage standalone.

Reassigning Named User 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 Named User license has their employment terminated with the company, the license would be available for reassignment immediately following the termination.

Concurrent Connection and Mirage / Fusion Pro / Horizon FLEX Add-On

While Horizon Advanced and Enterprise are available on a per-concurrent-connection basis, the Mirage, Horizon FLEX, and Fusion Pro components in the bundle can only be consumed on a named user (Mirage) or device (Mirage, Fusion Pro, Horizon FLEX) basis. As such, if a customer has 500 workers and 300 of these workers come in during the day and 200 at night—and if the customer wants to give all of these workers access to Horizon desktops and apps and Mirage—then the customer has two choices: they can buy 300 CCU of Horizon Advanced (or Enterprise) and a 200-pack of VMware Mirage, or they can buy 500 licenses of Mirage. Clearly the first option is much more cost effective for most customers. However, regardless of the choice, the customer will need 500 seats of Mirage to cover the 500 employees, even if only 300 are ever connected at any given time. The same rules apply to Fusion Pro and Horizon FLEX.

Concurrent Connection and VMware Identity Manager, Standard Edition / Workspace Portal

When VMware Identity Manager Standard (formerly known as Workspace Portal) is purchased as part of a bundle licensed as concurrent user (such as Horizon Advanced Edition, Horizon Enterprise Edition, or VMware Horizon Application Management™ Bundle—licensed CCU) there are specific licensing terms for this component. Identity Manager may always be used to access, and in conjunction with, a Horizon VDI or RDSH session. When accessing an application other than a Horizon-hosted application or a Horizon-hosted desktop virtual machine, Identity Manager is considered 'checked out' for the 8-hour period following that authentication.

The cumulative unique users logged during this period should not exceed the number of valid concurrent licenses purchased. For example, let's say that at 8 AM, 100 users are accessing a Horizon desktop or RDSH session through VMware Identity Manager. If 25 of those original 100 users and an additional 50 new users log into a SaaS app via Identity Manager, also at 8 AM, there will be a total of 150 unique users logged in at that time. The 75 unique users that triggered an authentication for the SaaS app will each consume a license for 8 hours, or until 4 PM that same day. If 1 of those 75 users accesses another SaaS app again at 12 noon, then there would be 74 licenses consumed until 4 PM, and one license consumed until 8 PM.

The user would be in compliance if they had 150 or more concurrent licenses of Horizon Advanced or Enterprise or Horizon Application Management Bundle. If there is very high concurrency in the environment and many unique users are logging in for short periods of time, then we recommend purchasing additional VMware Identity Manager Advanced Edition licenses to stay in compliance.

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 licenses are CCU once they are activated. Customers must ensure they are in compliance at all times.

Mixing Horizon Editions under the Same Instance of Horizon

Mixing different Horizon Editions (e.g., Standard, Advanced, and Enterprise) 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 (Horizon Standard, Advanced, and Enterprise) are in use by which users. Customers must ensure that they are in compliance at all times.

Mixing vSphere Desktop Hosts with vSphere Hosts That Are Licensed per Processor

A mixed environment is not recommended because during disaster recovery, server workloads might live-migrate via VMware vSphere vMotion® to a host running the vSphere Desktop license, which would violate the EULA. Customers are advised to keep their environments separate or purchase à la carte vSphere and vCenter licenses (licensed per Processor) to entitle the deployment of a mixed environment.

Mixing Horizon Editions in the Same vRealize Operations Managed Cluster

Mixing different Horizon Editions (e.g., Standard, Advanced, and Enterprise) on the same vRealize Operation cluster is not EULA restricted and can be implemented by customers. Customers must make sure they are in compliance at all times.

Dell EMC VxRail with Horizon

Jointly developed by EMC and VMware, Dell EMC VxRail™ is the only fully integrated, preconfigured, and tested HCI appliance powered by VMware Hyper-Converged Software and is the easiest and fastest way to stand up a fully virtualized software-defined data center (SDDC) environment. With the power of a whole SAN in just two rack units, it provides a simple, cost-effective, hyper-converged solution for a wide variety of applications and workloads. The VxRail appliance delivers resiliency, QoS, and centralized management functionality enabling faster, better, and simpler management of consolidated workloads, virtual desktops, business-critical applications, and remote office infrastructure. More information about VxRail can be found on the [Dell EMC Web site](#) or on the [VMware Web site](#).

VxRail is well suited for use as infrastructure for virtual desktops. VxRail with Horizon enables organizations to cost-effectively and quickly transform physical desktops into secure virtual workspaces with a hyper-converged appliance that is easier to procure, deploy, manage, and scale as demand grows. Organizations can start small and grow their environment as needed without sacrificing performance. Remote workers can now enjoy desktops and applications delivered from this local appliance solution, with consistently great user experience that scales.

When deploying Horizon on VxRail, there are two general approaches—dedicate the appliance to VDI or have mixed workloads. Depending on your anticipated workload, either Horizon Editions or Horizon Add-on Editions can be used in conjunction with VxRail. The difference is in the licensing.

Note that Horizon Editions include vSphere Desktop in the bundle, which is licensed in such a way that it 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 Add-on to run on top of that. Horizon Add-ons are for customers who already have vSphere, and are sold at a lower price because vSphere is eliminated from the Horizon packaging. The chart below shows the most economical way to purchase Horizon and vSphere depending on workloads and licensing needs.

		DESKTOP WORKLOAD (CAN USE vSPHERE DESKTOP)	MIXED WORKLOAD (vSPHERE PER PROCESSOR LICENSING RECOMMENDED)	ALREADY OWN vSPHERE LICENSES
Standard	Version of Horizon to buy	Horizon Standard Edition (full version, includes vSphere Desktop)	Horizon Standard Add-On	Horizon Standard Add-On
	Version of vSphere to buy		vSphere per processor, standalone license	N/A, already own
Advanced, Named	Version of Horizon to buy	Horizon Advanced Edition, NU (full version, includes vSphere Desktop)	Horizon Advanced Add-On, NU	Horizon Advanced Add-On, NU
	Version of vSphere to buy		vSphere per processor, standalone license	N/A, already own
Advanced, CCU	Version of Horizon to buy	Horizon Advanced Add-On, CCU	Horizon Advanced Add-On, CCU	Horizon Advanced Add-On, CCU
	Version of vSphere to buy	vSphere Desktop, standalone license	vSphere per processor, standalone license	N/A, already own
Enterprise, Named	Version of Horizon to buy	Horizon Enterprise Edition, NU (full version, includes vSphere Desktop)	Horizon Enterprise Add-On, NU	Horizon Enterprise Add-On, NU
	Version of vSphere to buy		vSphere per processor, standalone license	N/A, already own
Enterprise, CCU	Version of Horizon to buy	Horizon Enterprise Add-On, CCU	Horizon Enterprise Add-On, CCU	Horizon Enterprise Add-On, CCU
	Version of vSphere to buy	vSphere Desktop, standalone license	vSphere per processor, standalone license	N/A, already own

All the Horizon SKUs and Add-on SKUs are summarized in the chart below for convenience.

PRODUCT	DESCRIPTION	PACKAGING	SKU
Horizon 7 Standard (CCU)	Includes: <ul style="list-style-type: none"> • VDI • ThinApp Packager / Client • Workstation (1 admin license) • vSphere Desktop • vCenter Desktop (includes 25 Operating System Instances [OSIs] of vRealize Log Insight for vCenter for Desktop) 	10-pack 100-pack	HZ7-STD-10-C HZ7-STD-100-C
Horizon 7 Advanced (Named)	Includes: <ul style="list-style-type: none"> • Horizon 7 Standard • Hosted Apps (RDSH) • Mirage • Virtualization pack for Skype for Business • VMware Fusion Pro • vSAN Advanced for Desktop 	10-pack 100-pack	HZ7-ADN-10-C HZ7-ADN-100-C
Horizon 7 Advanced (CCU)			HZ7-ADC-10-C HZ7-ADC-100-C
Horizon 7 Enterprise (Named)	Includes: <ul style="list-style-type: none"> • Horizon 7 Advanced • App Volumes Enterprise • User Environment Manager • Instant Clones • vRealize Operations for Horizon (includes support for third-party VDI/RDSH environments) • Help Desk Tool • Linux VDI 	10-pack 100-pack	HZ7-ENN-10-C HZ7-ENN-100-C
Horizon 7 Enterprise (CCU)			HZ7-ENC-10-C HZ7-ENC-100-C
Horizon 7 for Linux	Includes: <ul style="list-style-type: none"> • Linux VDI • vSphere Desktop • vCenter Desktop 	10-pack 100-pack	HZ7-LXC-10-C HZ7-LXC-100-C

Horizon Add-Ons include desktop components only and customers must already have vSphere in their environment or purchase vSphere separately. Horizon Add-Ons do not include vSphere, vCenter or vSAN.

The Add-Ons are intended to provide a version of Horizon at a discounted price for customers that already have vSphere.

PRODUCT	DESCRIPTION		PACKAGING	SKU
Horizon Standard Add-On	For customers who already have vSphere and vCenter and want Horizon Standard Edition		10-pack 100-pack	HZ7-STD-A10-C HZ7-STD-A100-C
Horizon 7 Advanced Add-On (Named)	VMware Horizon 7 Advanced Add-On. Does not include vSphere, vCenter, and vSAN		10-pack 100-pack	HZ7-ADN-A10-C HZ7-ADN-A100-C
Horizon 7 Advanced Add-On (CCU)			10-pack 100-pack	HZ7-A10-AERC-C HZ7-A100-AERC-C
Horizon 7 Enterprise Add-On (Named)	VMware Horizon 7 Enterprise Add-On. Does not include vSphere, vCenter, and vSAN		10-pack 100-pack	HZ7-ENN-A10-C HZ7-ENN-A100-C
Horizon 7 Enterprise Add-On (CCU)			10-pack 100-pack	HZ7-E10-AERC-C HZ7-E100-AERC-C
Upgrade: Standard Add-on to Advanced Add-on (Named)	Upgrade: VMware Horizon 7 Standard Add-on to Horizon 7 Advanced Add-on. Does not include vSphere, vCenter, and vSAN	1 CCU to 2 Named	10-pack 100-pack	HZ7-STA-ADNA20-UG-C HZ7-STA-ADNA200-UG-C
Upgrade: Standard Add-on to Advanced Add-on (CCU)		1 CCU to 1 CCU		
Upgrade: Standard Add-on to Enterprise Add-on (Named)	Upgrade: VMware Horizon 7 Standard Add-on to Horizon 7 Enterprise Add-on. Does not include vSphere, vCenter, and vSAN	1 CCU to 2 Named	10-pack 100-pack	HZ7-STA-ENNA20-UG-C HZ7-STA-ENNA200-UG-C
Upgrade: Standard Add-on to Enterprise Add-on (CCU)		1 CCU to 1 CCU		
Upgrade: Advanced Add-On to Enterprise Add-On (Named)	Upgrade: VMware Horizon 7 Advanced Add-On to Horizon 7 Enterprise Add-On. Does not include vSphere, vCenter, and vSAN		10-pack 100-pack	HZ7-ENN-A10-UG-C HZ7-ENN-A100-UG-C
Upgrade: Advanced Add-On to Enterprise Add-On (CCU)			10-pack 100-pack	HZ7-E10-AERC-UG-C HZ7-E100-AERC-UG-C

VMware Horizon Apps

VMware Horizon Apps delivers virtualized Windows apps alongside SaaS apps and mobile apps, through a single consolidated workspace to end users. These RDS published apps run securely in the data center and can all be accessed from one digital workspace from any device, anywhere.

VMware Horizon Apps is available in two editions: Horizon Apps Standard and Horizon Apps Advanced. Both editions include all components needed to publish apps in the data center and deliver them to the digital workspace.

STANDARD	ADVANCED
RDS Published Apps (with shared desktops) Identity Manager Standard User Environment Manager vSphere/ vCenter ThinApp (no Linked Clones)	RDS Published Apps (with shared desktops) Identity Manager Standard User Environment Manager vSphere/ vCenter ThinApp (no Linked Clones) Instant Clones App Volumes

- **Horizon Apps Standard** – Powerful app virtualization with great user experience
- **Horizon Apps Advanced** – Just-in-Time app virtualization made simple

VMware Horizon Apps Bundle Components

VMware Horizon Apps Standard and Advanced Editions are composed of the individual components in the table below.

FEATURE	SUB-COMPONENT/ PRODUCT	HORIZON APPS STANDARD	HORIZON APPS ADVANCED
LICENSE ENTITLEMENT			
Concurrent User (CCU)		Yes	Yes
Named User		Yes	Yes
APPLICATIONS			
Unified workspace – XenApp, RDSH, SaaS, ThinApp	VMware Identity Manager Standard	Yes	Yes
Published applications (RDSH)	RDS Published Apps	Yes	Yes
Published desktops (RDSH)	RDS Published Desktops	Yes	Yes
Packaged applications	VMware ThinApp	Yes	Yes
BLAST Performance (3D, MMR, etc.)	VMware Horizon	Yes	Yes
Application and desktop access with single sign-on	VMware Identity Manager Standard	Yes	Yes
APPLICATION MANAGEMENT			
Real-time application delivery	VMware App Volumes		Yes
Just-in-Time Delivery with Instant Clone Technology	VMware Horizon		Yes
USER ENVIRONMENT MANAGEMENT			
User, profile and policy management	VMware User Environment Manager	Yes	Yes
OPERATIONS MANAGEMENT			
Help Desk Tool	VMware Horizon		Yes
INFRASTRUCTURE			
DESKTOP INFRASTRUCTURE			
Cloud infrastructure	VMware vSphere Desktop and VMware vCenter Desktop	Yes	Yes

*vSphere Desktop included in Horizon Editions has the same features and functionality of vSphere Enterprise Plus.

PRODUCT	DESCRIPTION	PACKAGING	SKU
Horizon Apps Standard (Named)	Includes: • RDS published apps	10-pack 100-pack	HZ7-AP-STN10-C HZ7-AP-STN100-C
Horizon Apps Standard (CCU)	• Identity Manager Standard • User Environment Manager • ThinApp Packager/ Client • Workstation (1 admin license) • vSphere Desktop • vCenter Desktop (includes 25 Operating System Instances [OSIs] of VMware vRealize Log Insight™ for vCenter for Desktop)	10-pack 100-pack	HZ7-AP-STC10-C HZ7-AP-STC100-C
Horizon Apps Advanced (Named)	Includes: • Horizon Apps Standard	10-pack 100-pack	HZ7-AP-ADN10-C HZ7-AP-ADN100-C
Horizon Apps Advanced (CCU)	• App Volumes • Instant Clones for RDS • Help Desk Tool	10-pack 100-pack	HZ7-AP-ADC10-C HZ7-AP-ADC100-C
Upgrade: to Horizon Apps Advanced from Horizon Apps Standard (Named)	Includes: • Horizon Apps Standard • App Volumes • Instant Clones for RDS	10-pack 100-pack	TBD TBD
Upgrade: to Horizon Apps Advanced from Horizon Apps Standard (CCU)	• Help Desk Tool	10-pack 100-pack	TBD TBD
Upgrade: to Horizon Apps Advanced from App Volumes Standard (Named)	Includes: • Horizon Apps Standard • Instant Clones for RDS • Help Desk Tool	10-pack 100-pack	HZ7-AVS-APADN10-UG-C HZ7-AVS-APADN100-UG-C
Upgrade: to Horizon Apps Advanced from App Volumes Standard (CCU)		10-pack 100-pack	HZ7-AVS-APADC10-UG-C HZ7-AVS-APADC100-UG-C
Upgrade: to Horizon Apps Advanced from App Volumes Advanced (Named)	Includes: • Horizon Apps Standard • Instant Clones for RDS • Help Desk Tool	10-pack 100-pack	HZ7-AVS-APADN10-UG-C HZ7-AVS-APADN100-UG-C
Upgrade: to Horizon Apps Advanced from App Volumes Advanced (CCU)		10-pack 100-pack	HZ7-AVS-APADC10-UG-C HZ7-AVS-APADC100-UG-C

PRODUCT	DESCRIPTION	PACKAGING	SKU
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Standard (Named)	Includes: <ul style="list-style-type: none"> • Horizon Apps Standard • VDI • Linux VDI 	10-pack 100-pack	HZ7-APS-ENN10-UG-C HZ7-APS-ENN100-UG-C
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Standard (CCU)	<ul style="list-style-type: none"> • Instant Clones for RDS • Skype for Business Virtualization Pack • Mirage • VMware Fusion Pro • App Volumes • Help Desk Tool • vRealize Operations for Horizon • (includes support for third-party VDI/RDSH environments) • vSAN Advanced for Desktop 	10-pack 100-pack	HZ7-APS-ENC10-UG-C HZ7-APS-ENC100-UG-C
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Advanced (Named)	Includes: <ul style="list-style-type: none"> • Horizon Apps Advanced • VDI • Linux VDI 	10-pack 100-pack	HZ7-APA-ENN10-UG-C HZ7-APA-ENN100-UG-C
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Advanced (CCU)	<ul style="list-style-type: none"> • Skype for Business Virtualization Pack • Mirage • VMware Fusion Pro • vRealize Operations for Horizon 	10-pack 100-pack	HZ7-APA-ENC10-UG-C HZ7-APA-ENC100-UG-C

VMware Horizon FLEX

VMware Horizon FLEX provides IT with the flexibility to meet the needs of Mac and Windows users, contractors, and road warriors who are often disconnected from the network—while ensuring security, control, and compliance of the corporate PC. Horizon FLEX is a complementary solution to the Horizon portfolio with the key feature being that the data is stored locally, allowing end users to work offline or on the road. It is a bundled offering that includes a Horizon FLEX policy server, Horizon FLEX clients—Fusion Pro or Workstation Player (formerly Player Pro)—and VMware Mirage for image management capabilities. Common use cases for Horizon FLEX include bring-your-own (BYO) PCs, disconnected workers where VDI is not a viable option, temporary workers or contractors, development and training environments, and regional offices.

Horizon FLEX Add-On is packaged exclusively for Horizon Advanced and Enterprise Edition customers, who can leverage their existing Mirage server license. When purchased as an add-on, Horizon FLEX should be used in conjunction with the Horizon 7 license, and cannot be split between users. For more information about licensing in conjunction with Horizon Editions, see [Concurrent Connection and Mirage / Fusion Pro / Horizon FLEX Add-On](#).

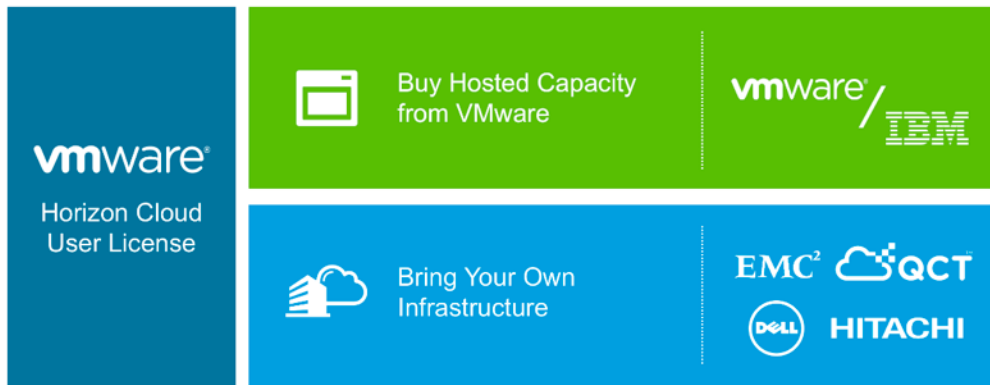
- Horizon FLEX and its components are licensed on a per-device basis.
- Available in quantities of 10 licenses.
- Horizon FLEX Add-On is available to use in conjunction with Horizon 7 Advanced or Enterprise.

PRODUCT	DESCRIPTION	PACKAGING	SKU
Horizon FLEX	Includes: <ul style="list-style-type: none"> • Horizon FLEX Policy Server • Horizon FLEX Clients (Fusion Pro / Player Pro) • VMware Mirage for FLEX 	10-pack	HZ-FLX-10-C
Upgrade: to Horizon FLEX from Fusion 8 Pro / Workstation 12 Player / Workstation 12 Pro	Includes: <ul style="list-style-type: none"> • Horizon FLEX Policy Server • Horizon FLEX Clients (Fusion Pro / Player Pro) • VMware Mirage for FLEX 	1-pack, minimum order quantity of 10	HZ-FUSPL8-FLX-UG-C
Upgrade: to Horizon FLEX from Fusion 6 or 7 Pro / Player 7 Pro / Player 6 Plus / Workstation 10 or 11	Includes: <ul style="list-style-type: none"> • Horizon FLEX Policy Server • Horizon FLEX Clients (Fusion Pro / Player Pro) • VMware Mirage for FLEX 	1-pack, minimum order quantity of 10	HZ-FUS67-FLX-UG-C
Horizon FLEX Add-On for Horizon (exclusively for use with Horizon Advanced or Enterprise Editions)	Includes: <ul style="list-style-type: none"> • Horizon FLEX Policy Server • Horizon FLEX Clients 	10-pack	HZ-FLX-AD10-C

Note: Horizon FLEX is sold separately from Horizon 7 editions.

VMware Horizon Cloud

Horizon Cloud, the next generation of Horizon Air, gives customers the flexibility to manage virtual desktops and applications from the cloud with their choice of infrastructure: cloud-hosted, on-premises, or combination of the two. Leveraging our partnership with IBM SoftLayer, Horizon Cloud also brings new features such as JIT desktops, App Volumes and User Environment Manager integration, vGPU-enabled virtual desktops using NVIDIA GRID technology, and a brand new User + Capacity pricing model designed to give customers more freedom in configuring their virtual desktops and applications.



- **Horizon Cloud with Cloud Infrastructure** - Desktops and applications delivered and managed from the public cloud
- **Horizon Cloud with On-Premises Infrastructure** - Delivers a hybrid model that allows you to manage your desktop and apps in the cloud, but run them locally on converged infrastructure

Horizon Cloud with On-Premises Infrastructure

Horizon Cloud with On-Premises Infrastructure subscription service offers an option for customers who want or need their desktops and data to be on-premises for security or compliance reasons. When a customer subscribes to Horizon Cloud, they can deploy on either a hyper-converged appliance or vSAN Ready Node.

Step 1: Horizon Cloud User License Subscription

The customer must purchase a Horizon Cloud user subscription with their choice of either Named or Concurrent user licensing. Note that licensing types cannot be mixed under a single management platform. Customers must first purchase a 'core subscription' with 50 seats minimum.

STEP A		
PURCHASE HORIZON CLOUD USER CORE SUBSCRIPTION		
QUANTITY	50 SEATS*	
License metric	Named User	Concurrent User
SKU	HAH-CRNUB-C**	HAH-CRCUB-C**
Price per seat / month	\$16	\$26

*50 seat minimum initial purchase quantity

**SKU suffix required that includes term and support information

Second, add-on user licenses can be purchased in increments of 10 seats with the same licensing and bundle options. Add-on services are co-termed with the initial core subscription.

STEP B		
USE ADD-ON TO PURCHASE ADDITIONAL SEATS		
QUANTITY	10 SEATS	
License metric	Named User	Concurrent User
SKU	HAH-ADNUB-C**	HAH-ADCUB-C**
Price per seat / month	\$16	\$26

**SKU suffix required that includes term and support information

Subscriptions are available in 1-, 2-, or 3-year terms. The above pricing is based on the annual rate and can be paid monthly, yearly, or prepaid. Horizon Cloud customers can cancel or change their service with 30 to 60 days' notice. In order to change or terminate a contract, it must be a 12-month service contract minimum and should not have been prepaid. More information about Horizon Cloud terms of service can be found in the [Service Description](#).

Step 2: Choose Your Infrastructure

Next, customers must purchase their own appliances separately from partners. Several partners offer appliances that are certified to work with Horizon Cloud and there are always more partners getting certified so check vmware.com for the latest information.

PARTNER	SUPPORTED HARDWARE
Dell	R730 R730xd
EMC	VxRail160 Hybrid VxRail200 Hybrid VxRail160 All Flash VxRail200 All Flash VxRail240 All Flash
Quanta Cloud Technology (certification pending)	QuantaGrid D51B-1U QuantaPlex T41S-2U (4-Node)
Hitachi Data Systems (certification pending)	V210 V210-F

Horizon Cloud with Hosted Infrastructure

Horizon Cloud with hosted infrastructure simplifies the delivery of Windows desktops and applications as a cloud service. Choose from persistent or stateless desktops, hosted applications, and even high-performance GPU-backed desktops to meet the needs of your diverse workforce. And with easily configurable capacity from VMware, you can now control desktop specifications at time of deployment instead of buying preset models up front.

Step 1: Horizon Cloud User License Subscription

The customer must purchase a Horizon Cloud user subscription with their choice of either Named or Concurrent user licensing. Note that licensing types cannot be mixed under a single management console. Customers must first purchase a 'core subscription' with 50 seats minimum.

STEP A		
PURCHASE HORIZON CLOUD USER CORE SUBSCRIPTION		
QUANTITY	50 SEATS*	
License metric	Named User	Concurrent User
SKU	HAH-CRNUB-C**	HAH-CRCUB-C**
Price per seat / month	\$16	\$26

*50 seat minimum initial purchase quantity

**SKU suffix required that includes term and support information

Second, additional user licenses can be purchased in increments of 10 seats with the same licensing and bundle options. Add-on services are co-termed with the initial core subscription.

STEP B		
USE ADD-ON TO PURCHASE ADDITIONAL SEATS		
QUANTITY	50 SEATS*	
License metric	Named User	Concurrent User
SKU	HAH-ADNUB-C**	HAH-ADCUB-C**
Price per seat / month	\$16	\$26

**SKU suffix required that includes term and support information

Subscriptions are available in 1-, 2-, or 3-year terms. The above pricing is based on the annual rate and can be paid monthly, yearly, or prepaid. Horizon Cloud customers can cancel or change their service with 30 to 60 days' notice. In order to change or terminate a contract, it must be a 12-month service contract minimum and should not have been prepaid. More information about Horizon Cloud terms of service can be found in the [Service Description](#).

Step 2: Choose Your Infrastructure

Next, customers must purchase hosted capacity which comes in fixed units of compute, memory, and storage. These units of capacity can be configured to the available desktop and app server configurations in the chart below. [Pricing tools](#) are available to help customers determine how many capacity units they need to purchase.

Standard Capacity
Designed for everyday use
1 unit = 1 vCPU, 8GB vRAM, 30GB Storage

Available Configurations

Name	Units	\$ / Month
Value	1	\$16
Professional	2	\$32
Premium	4	\$64
Performance	8	\$128
Hosted Apps Server	8	\$128

Workstation Capacity
GPU-enabled for high-performance computing
1 unit = 4 vCPU, 8GB vRAM, 120 GB Storage
2GB NVIDIA Video Memory

Available Configurations

Name	Units	\$ / Month
ProfessionalWS	1	\$300
PremiumWS	2	\$600
PerformanceWS	4	\$1200

Step 3: Choose Add-Ons

Next, customers can purchase add-on services as needed. Add-on services match the terms of the core subscription.

- Additional hard disk storage (1 TB)
- Direct Connect – 1 and 10 Gbps
- Additional IP addresses

To purchase, customers must first purchase a core subscription, which includes required components of the service. Core subscriptions are available in 1-, 12-, 24-, and 36-month terms.

Here is a summary of Horizon Cloud offerings. Pricing shown is for a 12-month term in North America data centers. Longer terms have additional discounts and regional pricing may vary.

Core SKU (One / customer)	Configuration	QTY	Term*	Price / month**	\$ / user / month	Billing Frequency
Horizon Cloud Named User License	Entitles user to access to Horizon Cloud desktops/apps	50	1, 12, 24, 36 months	\$800	\$16	Pre-paid, monthly, annual
Horizon Cloud Concurrent User License	Entitles user to access to Horizon Cloud desktops/apps	50	1, 12, 24, 36 months	\$1,300	\$26	Pre-paid, monthly, annual
Add-on Desktop SKUs	Configuration	QTY	Term*	Price / month**	\$ / unit / month	Billing Frequency
Horizon Cloud Standard Capacity	1 vCPU, 2 GB RAM, 30GB HD	1	1, 12, 24, 36 months	\$16	\$16	Pre-paid, monthly, annual
Horizon Cloud Workstation Capacity	4 vCPU, 16 GB RAM, 120GB HD, 2GB Video Memory	16	1, 12, 24, 36 months	\$4,800	\$300	Pre-paid, monthly, annual
Add-on Options	Configuration	QTY	Term*	Price / month**	\$ / user / month	Billing Frequency
Horizon Cloud Named User License	Entitles user to access to Horizon Cloud desktops/apps	10	1, 12, 24, 36 months	\$160	\$16	Pre-paid, monthly, annual
Horizon Cloud Concurrent User License	Entitles user to access to Horizon Cloud desktops/apps	10	1, 12, 24, 36 months	\$260	\$26	Pre-paid, monthly, annual
1 TB Additional Storage	1 TB Storage	1	1, 12, 24, 36 months	\$120	N/A	Pre-paid, monthly, annual
Additional IP Address	1 IP Address	1	1, 12, 24, 36 months	\$24	N/A	Pre-paid, monthly, annual
Direct Connect – Cross Connect 1 Gbps	1 Gbps	1	1, 12, 24, 36 months	\$1,152	N/A	Pre-paid, monthly, annual
Direct Connect – Cross Connect 10 Gbps	10 Gbps	1	1, 12, 24, 36 months	\$6,240	N/A	Pre-paid, monthly, annual
Direct Connect – Network Exchange 1 Gbps	1 Gbps	1	1, 12, 24, 36 months	\$672	N/A	Pre-paid, monthly, annual
Direct Connect – Network Exchange 10 Gbps	10 Gbps	1	1, 12, 24, 36 months	\$4,800	N/A	Pre-paid, monthly, annual

Product Details – Related Products

App Volumes Editions

VMware App Volumes is a portfolio of application and user-management solutions for virtual environments, such as Horizon, Citrix XenApp and XenDesktop, and RDSH.

- **App Volumes Standard** – An application and user management solution for virtual environments powered by Horizon, Citrix XenApp and XenDesktop, and RDSH.
- **App Volumes Advanced (formerly App Volumes)** – An advanced application and user management solution for enterprise customers with virtual environments powered by Horizon, Citrix XenApp and XenDesktop, and RDSH.
- **App Volumes Enterprise (formerly Horizon Application Management Bundle)** – A complete enterprise application and user management solution that provides application delivery, isolation, and end-to-end monitoring for Citrix XenApp and XenDesktop environments.

App Volumes takes Horizon, Citrix XenApp and XenDesktop, and RDSH virtual environments to the next level with an app delivery architecture and user environment management that helps IT reduce costs and increase productivity. IT can improve their return on investment when they standardize on App Volumes to drive 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. App Volumes Editions are licensed on a Named or Concurrent User basis and available in quantities of 10 or 100 licenses.

PRODUCT	DESCRIPTION	PACKAGING	SKU
App Volumes Standard	Includes: <ul style="list-style-type: none"> • App Volumes • User Environment Manager • Platform for cloud-based technologies 	10-pack 100-pack	AV-STDN-10-C AV-STDN-100-C AV-STDC-10-C AV-STDC-100-C
App Volumes Advanced	Includes: <ul style="list-style-type: none"> • App Volumes • User Environment Manager • ThinApp • AppToggle, AppCapture, and AppScaling with Multizones capabilities for cloud-based platform 	10-pack 100-pack	AV-ADV-10-C AV-ADV-100-C AV-ADVC-10-C AV-ADVC-100-C
App Volumes Enterprise	Includes: <ul style="list-style-type: none"> • App Volumes • User Environment Manager • ThinApp • AppToggle, AppCapture, and AppScaling with Multizones capabilities for cloud-based platform • VMware vRealize Operations for Published Applications™ 	10-pack 100-pack	AV-ENTN-10-C AV-ENTN-100-C AV-ENTC-10-C AV-ENTC-100-C

VMware User Environment Manager

VMware User Environment Manager offers personalization and dynamic policy configuration across any virtual, physical, and cloud-based environment. User Environment Manager can simplify end-user profile management by providing organizations with a single and 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. The net effect—organizations leveraging User Environment Manager can increase workplace productivity while driving down the cost of acquisition and day-to-day desktop support and operations.

- VMware User Environment Manager is licensed on a Named or Concurrent User basis.
- Available in quantities of 10 or 100 licenses.

PRODUCT	DESCRIPTION	PACKAGING	SKU
VMware User Environment Manager, CCU	Includes: • Personalization and policy management	10-pack 100-pack	UEM-CCU-10-C UEM-CCU-100-C
VMware User Environment Manager, Named	Includes: • Personalization and policy management	10-pack 100-pack	UEM-NU-10-C UEM-NU-100-C

VMware Mirage

VMware Mirage is a centralized desktop management solution that is locally executed on the PC or desktop. Mirage uses layered images that separate the PC into logical layers, which facilitate better image management, disaster recovery, and migrations for IT while maintaining end-user personalization.

Mirage

- Mirage contains Mirage Image Management and ThinApp.*
- Mirage and its components are licensed by per Named User.
- Available in quantities of 10 or 100 licenses.

Mirage Windows Migration

- Mirage Windows Migration is a 6-month term license that can only be used for Windows migration, for example, from Windows XP to Windows 7 or 8.
- Horizon Windows Migration is licensed by per device.
- Minimum purchase of 10 licenses is required. Please purchase in multiples of 10.

Mirage for Previous Windows Migration Customers

- Customers who have Mirage Windows Migration can purchase Mirage at a discount to use the full functionalities of Mirage.
- A *1 device = 1 named user* metric conversion will apply for customers who want to purchase Mirage who previously had Mirage Windows Migration.

PRODUCT	DESCRIPTION	SKU - 10 / 100 PACKS
VMware Mirage	Includes: <ul style="list-style-type: none"> • Mirage Image Management • ThinApp 	MGP-10-C MGP-100-C
Mirage Windows Migration	6-month-term based license focused on Windows Migration (subscription)	MRG-WIN-6M-TLSS-C (Min. Quantity = 10)
Mirage for Previous Windows Migration Customers	For those who already have Windows Migration and want the full product. Upgrades convert 1 device to 1 named user.	MW-MGP-10-C MW-MGP-100-C

VMware ThinApp

VMware ThinApp eliminates application conflicts by isolating applications from each other and the underlying OS into a single executable file that can be easily deployed to many endpoints.

- ThinApp can be licensed per Named User, Concurrent User, or per device. ThinApp as part of a bundle will inherit the same metric as the bundle.

PRODUCT	DESCRIPTION	SKU
VMware ThinApp 5 Suite	Includes: <ul style="list-style-type: none"> • 1 Packager • 50 client licenses • 1 Workstation (admin usage only) 	THIN5-STE-C
VMware ThinApp 5 Client Licenses	100 ThinApp client licenses	THIN5-100PK-C

vSphere Desktop

- vSphere Desktop is used to host Horizon Add-Ons, custom, and third-party desktop virtualization solutions, desktop management solutions, and products within the Horizon Suite.
- vSphere Desktop is licensed by per powered-on desktop VM.
- Available in 100 pack only.

PRODUCT	DESCRIPTION	SKU
vSphere Desktop	Host Horizon Add-Ons custom, and third-party desktop virtualization solutions	VS6-DT100VM-C (100 packs only)

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.

To report usage and enforce compliance, vSphere Desktop counts powered on VMs. In the case of vSphere Desktop as a component of the Horizon Editions, the 'VM' serves as a proxy for '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 that they are in compliance.

In a Citrix XenApp or XenDesktop environment, you can use vSphere Desktop to power virtual desktops and the underlying VDI infrastructure as mentioned above. 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.

vRealize Operations for Horizon (Formerly vCenter Operations Manager for View)

- vRealize Operations for Horizon is purchased separately, to be used for monitoring Horizon with View environments, as well as Citrix XenApp environments.
- vRealize Operations for Horizon is licensed by concurrent connection.

PRODUCT	DESCRIPTION	SKU - 10/100 PACKS
vRealize Operations for Horizon	End-to-end monitoring of View and XenApp and XenDesktop environments	VR6-VU10-C VR6-VU100-C

vRealize Operations for Horizon now also monitors the VDI environment of Citrix shops. It is available as a free entitlement and can be downloaded in the admin portal.

vRealize Operations for Horizon requires two license keys to work: vRealize Operations Manager key and an Adapter key. vRealize Operations Manager license key quantity will be a quantity of 1 regardless of whether it is sold in a 10- or 100-pack. The Adapter license key quantity should align to either 10 or 100, corresponding to the pack purchased.

In the case of vRealize Operations for Horizon as part of Horizon Enterprise Edition, the existing Horizon Suite key is leveraged as the Adapter license key, so it aligns with the appropriate pack quantity, and vRealize Operations Manager license key is fulfilled at a quantity of 1 for each 10- or 100-pack.

vRealize Operations for Published Applications monitors a Citrix XenApp or XenDesktop environment and is included in App Volumes Enterprise Edition. More information can be found in the FAQ on vmware.com

VMware vSAN for Desktop

VMware vSAN is the VMware software-defined storage solution for hyper-converged infrastructure, a software-driven architecture that delivers tightly integrated compute, networking, and shared storage from a single, virtualized x86 server. vSAN delivers high-performance, highly resilient shared storage by clustering server-attached flash devices and/or hard disks (HDDs). 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 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.

- Use this edition for VDI workloads only (VMware or Citrix).
- Packs of 10 and 100.
- Licensed by Concurrent User.

PRODUCT	DESCRIPTION	PACKAGING	SKU	PRICE
vSAN Standard for Desktop	<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 RPO) • Software checksum • All-flash support • Block access (iSCSI) • Quality of Service IOPS limits 	10-pack 100-pack	ST6-VSDT10-C ST6-VSDT100-C	\$50 per Desktop
vSAN Advanced for Desktop	Includes: <ul style="list-style-type: none"> • vSAN for Desktop Standard • Inline deduplication and compression (All-flash only) • Erasure Coding - RAID (All-flash only) • All-flash 	10-pack 100-pack	ST6-AD-D10-C ST6-AD-D100-C	\$100 per Desktop
vSAN Enterprise for Desktop	Includes: <ul style="list-style-type: none"> • vSAN for Desktop Advanced • Data-at-rest encryption • Stretch cluster with local failure protection 	10-pack 100-pack	ST6-EN-D10-C ST6-EN-D100-C	\$120 per Desktop
vSAN Enterprise for Desktop- Horizon Add-on*	Includes: <ul style="list-style-type: none"> • vSAN for Desktop Advanced • Data-at-rest encryption • Stretch cluster with local failure protection 	10-pack 100-pack	ST6-ED-HA10-C ST6-ED-HA100-C	\$33 per Desktop
* This SKU is an add-on for customers who received vSAN Advanced for Desktop as part of the Horizon Bundle. There are separate upgrade SKUs to take a customer from vSAN Advanced for Desktop (standalone) to vSAN Enterprise for Desktop (standalone).				

NSX for Desktop

- Use this edition for VDI workloads only (VMware or Citrix)
- Packs of 100
- Licensed by Concurrent User

PRODUCT	DESCRIPTION	SKU - 10/100 PACKS
NSX Advanced for Desktop	Network virtualization platform for Horizon, XenApp, and XenDesktop environments	NX-ADVC-100-C
NSX Enterprise for Desktop	Includes: <ul style="list-style-type: none"> • NSX Advanced for Desktop • Multi-site NSX optimizations • VPN (IPsec and SSL) Remote Gateway • Integration with hardware VTEPs 	NX-ENTC-100-C

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 multi-tier 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.

End of Availability (EOA) Products

VMware Workspace Suite

VMware ended availability (“EOA”) of VMware Workspace Suite effective June 1, 2016. Note that each product component of Workspace Suite (Horizon Enterprise Edition, Horizon FLEX, AirWatch Yellow) is an investment area for VMware and will continue to be supported per their individual lifecycle policies. After EOA, customers can continue to purchase Workspace Suite 1-year support, or support for the subcomponents.

VMware Workspace Portal

VMware ended availability (“EOA”) of VMware Workspace Portal, effective December 31, 2015. No further orders for VMware Workspace Portal will be accepted after this date. Customers can continue to purchase 1-year support until EOSL (end of service life).

VMware App Volumes (Standalone)

VMware ended availability (“EOA”) of VMware App Volumes (standalone product), effective March 2016. No further orders for VMware App Volumes will be accepted after this date. Customers will be automatically entitled to App Volumes Advanced.

VMware Horizon Application Management Bundle

VMware ended availability (“EOA”) of VMware Horizon Application Management Bundle, effective March 2016. No further orders for VMware Horizon Application Management Bundle will be accepted after this date. Customers will be automatically entitled to App Volumes Enterprise and Identity Manager Standard.

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

For more information around VMware Enterprise Desktop EOA and support policies, see the [Enterprise Desktop Support page](#).

VMware Collaboration Bundle

VMware ended availability (“EOA”) of VMware Collaboration Bundle, effective **TBD**. No further orders for VMware Collaboration Bundle will be accepted after this date. Customers will be **TBD**.

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

Downgrades and Horizon Files

Most desktop and workspace service products support the ability to downgrade or stay on previous versions.

Horizon Files and AirWatch Content Locker

In the case of Horizon Suite, please note that Horizon Suite customers were entitled to Horizon Enterprise in April 2014. Since Horizon Enterprise does not include Horizon Files, all Horizon Suite customers were offered the opportunity to take advantage of a \$0 license for AirWatch Content Locker (CL). These customers, however, had to pay for the SnS (-\$10/user) in this move. Customers wishing to continue to use Horizon Files can simply stay on Workspace 1.8 and not upgrade this component within the bundle to Workspace Portal 2.0. Workspace 1.8 was supported through March 2015.

Upgrades

Product Version Upgrades (Entitled)

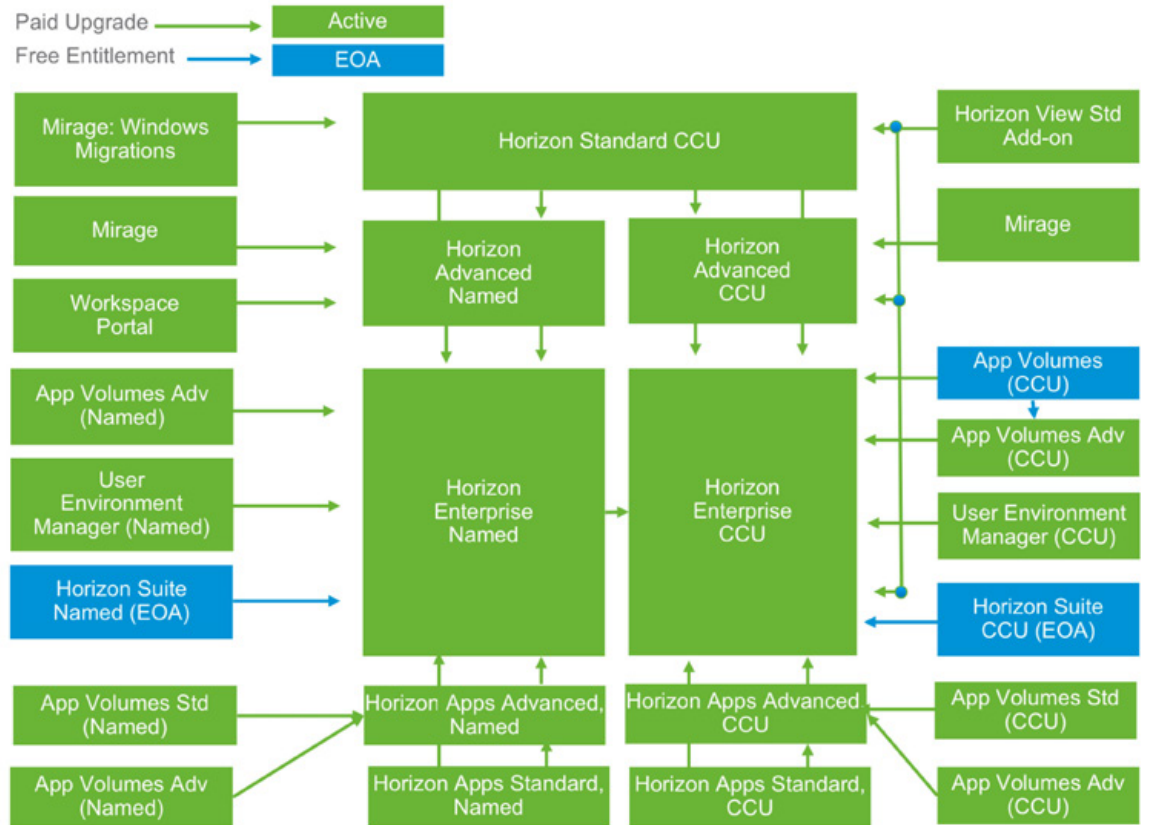
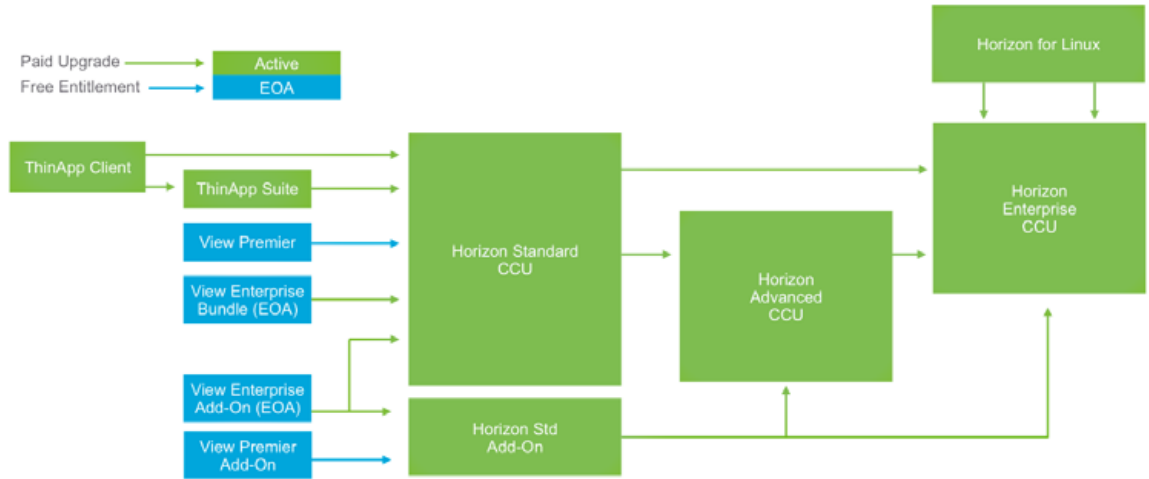
Existing customers with current Subscription and Support (SnS) contracts are entitled to the next product version. For example, customers with Horizon View 5.0 and current on SnS are able to upgrade to Horizon View 5.3. Customers with a lapsed SnS contract must contact VMware Support before upgrading. The value of any unused SnS for existing products will be preserved through an SnS extension.

Product Edition and Packages Upgrades (Paid)

Upgrade paths between VMware End-User-Computing products and editions are shown in the figure below. Each column represents a step or SKU needed for that particular upgrade.

Horizon Suite customers were entitled to Horizon Enterprise in July 2014.

Upgrade Paths



Upgrading to Horizon Enterprise Edition

PRODUCT	DESCRIPTION	SKU	PACKAGING
Horizon 7 Standard Add-On (CCU) to Horizon 7 Enterprise (CCU)	1 CCU to 1 CCU	HZ7-VAD-ENC-10-UG-C HZ7-VAD-ENC-100-UG-C	10-pack 100-pack
Horizon 7 Standard (CCU) to Horizon 7 Enterprise (CCU)	1 CCU to 1 CCU	HZ7-ST-ENC-10-UG-C HZ7-ST-ENC-100-UG-C	10-pack 100-pack
Horizon 7 Standard (CCU) to Horizon 7 Enterprise (Named)	1 CCU to 2 Named Users	HZ7-ST-ENN-20-UG-C HZ7-ST-ENN-200-UG-C	10-pack 100-pack
Horizon 7 Advanced (CCU) to Horizon 7 Enterprise (CCU)	1 CCU to 1 CCU	HZ7-ADC-ENC-10-UG-C HZ7-ADC-ENC-100-UG-C	10-pack 100-pack
Horizon 7 Advanced (Named) to Horizon 7 Enterprise (Named)	1 Named to 1 Named	HZ7-ADN-ENN-10-UG-C HZ7-ADN-ENN-100-UG-C	10-pack 100-pack
Horizon 7 Enterprise (Named) to Horizon 7 Enterprise (CCU)	1 Named to 1 CCU	HZ7-ENN-ENC-10-UG-C HZ7-ENN-ENC-100-UG-C	10-pack 100-pack
Horizon 7 for Linux (CCU) to Horizon 7 Enterprise Edition (CCU)	1 CCU to 1 CCU	HZ7-LXC-ENC-10-UG-C HZ7-LXC-ENC-100-UG-C	10-pack 100-pack
User Environment Manager (Named) to Horizon 7 Enterprise (Named)	1 Named to 1 Named	HZ7-UEM-ENN-10-UG-C HZ7-UEM-ENN-100-UG-C	10-pack 100-pack
User Environment Manager (CCU) to Horizon 7 Enterprise (CCU)	1 CCU to 1 CCU	HZ7-UEM-ENC-10-UG-C HZ7-UEM-ENC-100-UG-C	10-pack 100-pack
App Volumes Enterprise (Named) to Horizon 7 Enterprise (Named)	1 Named to 1 Named	HZ7-AVE-ENN10-UG-C HZ7-AVE-ENN100-UG-C	10-pack 100-pack
App Volumes Enterprise (CCU) to Horizon 7 Enterprise (CCU)	1 CCU to 1 CCU	HZ7-AVE-ENC10-UG-C HZ7-AVE-ENC100-UG-C	10-pack 100-pack
Upgrade: Advanced Add-on to Enterprise Add-on (Named)	1 Named to 1 Named	HZ7-ENN-A10-UG-C HZ7-ENN-A100-UG-C	10-pack 100-pack
Upgrade: Advanced Add-on to Enterprise Add-on (CCU)	1 CCU to 1 CCU	HZ7-E10-AERC-UG-C HZ7-E100-AERC-UG-C	10-pack 100-pack
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Standard (Named)	1 Named to 1 Named	HZ7-APS-ENN10-UG-C HZ7-APS-ENN100-UG-C	10-pack 100-pack
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Standard (CCU)	1 CCU to 1 CCU	HZ7-APS-ENC10-UG-C HZ7-APS-ENC100-UG-C	10-pack 100-pack
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Advanced (Named)	1 Named to 1 Named	HZ7-APA-ENN10-UG-C HZ7-APA-ENN100-UG-C	10-pack 100-pack
Upgrade: to Horizon 7 Enterprise Edition from Horizon Apps Advanced (CCU)	1 CCU to 1 CCU	HZ7-APA-ENC10-UG-C HZ7-APA-ENC100-UG-C	10-pack 100-pack

Upgrading to Horizon Advanced Edition

PRODUCT	DESCRIPTION	SKU	PACKAGING
Horizon 7 Standard Add-On (CCU) to Horizon 7 Advanced (CCU)	1 CCU to 1 CCU	HZ7-VAD-ADC-10-UG-C HZ7-VAD-ADC-100-UG-C	10-pack 100-pack
Horizon 7 Standard (CCU) to Horizon 7 Advanced (Named)	1 CCU to 2 Named Users	HZ7-ST-ADN-20-UG-C HZ7-ST-ADN-200-UG-C	10-pack 100-pack
Horizon 7 Standard (CCU) to Horizon 7 Advanced (CCU)	1 CCU to 1 CCU	HZ7-ST-ADC-10-UG-C HZ7-ST-ADC-100-UG-C	10-pack 100-pack
Mirage to Horizon 7 Advanced (Named)	1 Named User to 1 Named User	HZ7-MRG-ADN-10-UG-C HZ7-MRG-ADN-100-UG-C	10-pack 100-pack
Mirage to Horizon 7 Advanced (CCU)	1 Device to 1 CCU	HZ7-MRG-ADC-10-UG-C HZ7-MRG-ADC-100-UG-C	10-pack 100-pack

Upgrading to Horizon Standard Edition

Upgrade from Horizon View Add-On to Horizon Standard Edition

PRODUCT	DESCRIPTION	SKU	PACKAGING
Horizon View Add-On to Horizon 7 Standard	For customers who have View add-ons and want the full bundle. Includes: <ul style="list-style-type: none"> • vSphere Desktop • vCenter Desktop 1 CCU to 1 CCU	HZ7-STDA-STD10-UG-C HZ7-STDA-STD100-UG-C	10-pack 100-pack

Upgrade from View Enterprise* to Horizon Standard

PRODUCT	DESCRIPTION	SKU	PACKAGING
View Enterprise Bundle to Horizon 7 Standard	1 CCU to 1 CCU	HZ7-VENT-ST10-UG-C HZ7-VENT-ST100-UG-C	10-pack 100-pack
View Enterprise Add-On to Horizon 7 Standard Add-On	1 CCU to 1 CCU	HZ7-ENTA-STDA10-UG-C HZ7-ENTA-STDA100-UG-C	10-pack 100-pack
View Enterprise Add-On to Horizon 7 Standard	1 CCU to 1 CCU	HZ7-EAD-STD10-UG-C HZ7-EAD-STD100-UG-C	10-pack 100-pack

*VMware announced the EOA of View Enterprise packaging in 2013.

Upgrade from ThinApp to Horizon Standard Edition

PRODUCT	DESCRIPTION	SKU	PACKAGING
ThinApp Suite to Horizon 7 Standard	Existing ThinApp Suite (50 clients) will be null and void for new licenses in Horizon View	HZ7-THIN-ST100-UG-C	10-pack 100-pack
VMware ThinApp Client License to Horizon 7 Standard Add-On		HZ7-TCL-STA10-UG-C HZ7-TCL-STA100-UG-C	10-pack 100-pack



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