

# 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 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 BYO/ 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 Essentials. 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 Essentials, Perpetual	Includes: <ul style="list-style-type: none"> <li>• Self Service Catalog</li> <li>• Federation/ Single-Sign-On (SSO)</li> <li>• Basic Conditional Access</li> <li>• All App Types</li> </ul>	1-pack, minimum order quantity of 25	V-WOES-PLL-U-C	
Workspace ONE Standard, Perpetual	Includes: <ul style="list-style-type: none"> <li>• Workspace ONE Essentials +</li> <li>• App Suite <ul style="list-style-type: none"> <li>- Email</li> <li>- Calendar</li> <li>- Social Chat</li> <li>- Content Locker Std. (View)</li> </ul> </li> <li>• Basic Device Compliance</li> <li>• One-Touch Mobile SSO</li> <li>• Mobile App Management (MAM)</li> </ul>	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"> <li>• Workspace ONE Standard +</li> <li>• Full Mobile Device Management (MDM)</li> <li>• Advanced Compliance</li> <li>• Advanced Software Distribution (PC)</li> <li>• Windows OS Patch Management (PC)</li> <li>• SDK Support for Internal Apps</li> <li>• Content Locker Adv. (View and Collaborate)</li> <li>• Telecom</li> </ul>	1-pack, minimum order quantity of 25	V-WOA-PLL-U-C	
Workspace ONE Enterprise, Perpetual	Includes: <ul style="list-style-type: none"> <li>• Workspace ONE Advanced +</li> <li>• Horizon 7 Enterprise Edition <ul style="list-style-type: none"> <li>- Virtual Desktops and Applications</li> </ul> </li> </ul>	10-pack 100-pack	V-WOE-PLL-10U-C V-WOE-PLL-U-C	
Workspace ONE Essentials, Cloud Subscription	Includes: <ul style="list-style-type: none"> <li>• Self-Service Catalog</li> <li>• Federation/ Single-Sign-On (SSO)</li> <li>• Basic Conditional Access</li> <li>• All App Types</li> </ul>	1-pack, minimum order quantity of 25	V-WOES-CLD-U-G-C (Basic Support) V-WOES-CLD-U-P-C (Prod. Support)	\$3.75 (Basic Support) \$4 (Prod. Support Per Named User/ Month) (Must be purchased for 1-year term, minimum)
Workspace ONE Standard, Cloud Subscription	Includes: <ul style="list-style-type: none"> <li>• Workspace ONE Essentials +</li> <li>• App Suite <ul style="list-style-type: none"> <li>- Email</li> <li>- Calendar</li> <li>- Social Chat</li> <li>- Content Locker Std. (View)</li> </ul> </li> <li>• Basic Device Compliance</li> <li>• One-Touch Mobile SSO</li> <li>• Mobile App Management (MAM)</li> </ul>	1-pack, minimum order quantity of 25	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 (Must be purchased for 1-year term, minimum)

PRODUCT	DESCRIPTION	PACKAGING	SKU	PRICE
Workspace ONE Advanced, Cloud Subscription	Includes: <ul style="list-style-type: none"> <li>• Workspace ONE Standard +</li> <li>• Full Mobile Device Management (MDM)</li> <li>• Advanced Compliance</li> <li>• Advanced Software Distribution (PC)</li> <li>• Windows OS Patch Management (PC)</li> <li>• SDK Support for Internal Apps</li> <li>• Content Locker Adv. (View and Collaborate)</li> <li>• Telecom</li> </ul>	1-pack, minimum order quantity of 25	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 (Must be purchased for 1-year term, minimum)

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

SUBSCRIPTION – ALL 1-YEAR TERMS, SHARED CLOUD			
UPGRADE FROM		UPGRADE TO	SKU
AirWatch Green, Basic Support	Per Device	Workspace ONE Advanced, Basic Support	V-UG-GDWOA-CLD-U-G-C
AirWatch Orange, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-ODWOA-CLD-U-G-C
AirWatch Blue, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-BDWOA-CLD-U-G-C
AirWatch Yellow, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-YDWOA-CLD-U-G-C
AirWatch Green, Basic Support	Per User	Workspace ONE Advanced, Basic Support	V-UG-GUWOA-CLD-U-G-C
AirWatch Orange, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-OUWOA-CLD-U-G-C
Workspace ONE Essentials, Basic Support		Workspace ONE Standard, Basic Support	V-UG-WESS-CLD-U-G-C
Workspace ONE Essentials, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-WESA-CLD-U-G-C
Workspace ONE Standard, Basic Support		Workspace ONE Advanced, Basic Support	V-UG-WSA-CLD-U-G-C

AirWatch Green, Prod. Support	Per Device	Workspace ONE Advanced, Prod. Support	V-UG-GDWOA-CLD-U-P-C
AirWatch Orange, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-ODWOA-CLD-U-P-C
AirWatch Blue, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-BDWOA-CLD-U-P-C
AirWatch Yellow, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-YDWOA-CLD-U-P-C
AirWatch Green, Prod. Support	Per User	Workspace ONE Advanced, Prod. Support	V-UG-GUWOA-CLD-U-P-C
AirWatch Orange, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-OUWOA-CLD-U-P-C
Workspace ONE Essentials, Prod. Support		Workspace ONE Standard, Prod. Support	V-UG-WESS-CLD-U-P-C
Workspace ONE Essentials, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-WESA-CLD-U-P-C
Workspace ONE Standard, Prod. Support		Workspace ONE Advanced, Prod. Support	V-UG-WSA-CLD-U-P-C
<b>PERPETUAL</b>			
<b>UPGRADE FROM</b>		<b>UPGRADE TO</b>	<b>SKU</b>
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
<b>STEP-UP FROM</b>		<b>STEP-UP</b>	
Horizon Enterprise Edition* (Named or CCU)		VMware Workspace ONE Advanced Add-on for Horizon Enterprise Edition 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
<b>SHARED HOSTING SERVICE SKU</b>			
	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	N/A	
<b>MANAGED HOSTING SERVICE SKU</b>			
	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
<b>MANAGED HOSTING SETUP FEE, SAAS AND PERPETUAL</b>			
	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 Collaboration Bundle

Embrace the mobile cloud era with the VMware Collaboration Bundle that can aggregate content, drive organizational alignment, discover experts, and connect applications and people with content, social networking, and video services. These simple to use, but powerfully integrated tools, including Socialcast® by VMware enterprise social networking, AirWatch Video distribution, and AirWatch Content Locker™ file sync and sharing, spur innovation, transform business processes, and tap and distribute knowledge to drive organizational alignment, all while protecting sensitive information and intellectual property. VMware offers a mobile-first collaboration platform that aggregates and mobilizes your existing internal and cloud-based information repositories and can bridge existing systems of record with secure social collaboration.

- VMware Collaboration Bundle is licensed on-premises, by per Named User.
- Available in quantities of 1, with a 25-user minimum.

PRODUCT	DESCRIPTION	PACKAGING	SKU
VMware Collaboration Bundle	Includes: <ul style="list-style-type: none"> <li>• Socialcast by VMware</li> <li>• AirWatch Video</li> <li>• AirWatch Content Locker</li> </ul>	1-pack, 25-user minimum	V-COL-PLL-U-C

### 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:

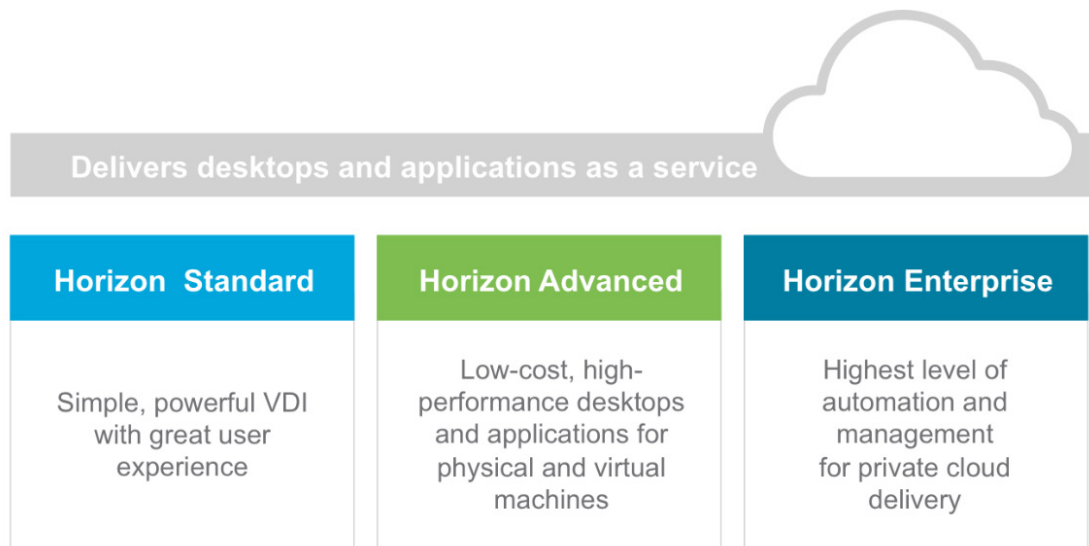
- VMware Identity Manager is licensed per Named User.
- VMware Identity Manager Standard is identical in functionality to Workspace Portal and serves as a replacement for current entitlements to Workspace Portal and as a component in select bundles. It is not sold as a standalone product.
- VMware Identity Manager Advanced 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"> <li>• Enterprise app catalog</li> <li>• ThinApp Client and Packager</li> <li>• VMware Workstation Pro™ (1 Admin license)</li> <li>• Single sign-on for Web, SaaS, native mobile apps</li> </ul>	Not sold separately
VMware Identity Manager Advanced Edition	Includes: <ul style="list-style-type: none"> <li>• Enterprise app catalog</li> <li>• ThinApp Client and Packager</li> <li>• Workstation Pro (1 Admin license)</li> <li>• Single sign-on for Web, SaaS, native mobile apps</li> <li>• Lightweight AirWatch enrollment</li> </ul>	On-premises perpetual V-IDM-PLL-U-C Shared cloud V-IDM-CLD-U-G-C (1 year, Basic Support) V-IDM-CLD-U-P-C (1 year, Production Support) V-IDM-CLD-U-2G-C (2 year, Basic Support) V-IDM-CLD-U-2P-C (2 year, Production Support) V-IDM-CLD-U-3G-C (3 year, Basic Support) V-IDM-CLD-U-3P-C (3 year, Production Support)

### 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
<b>LICENSE ENTITLEMENT</b>					
Concurrent User (CCU)		Yes	Yes	Yes	Yes
Named User				Yes	Yes
<b>DESKTOP AND APPLICATIONS</b>					
Windows virtual desktops and session-based 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
Hosted applications (RDSH)	RDS-Hosted Apps			Yes	Yes
Packaged applications	VMware ThinApp		Yes	Yes	Yes
BLAST Performance (3D, UC, MMR, etc.)	VMware Horizon	Yes	Yes	Yes	Yes
Application and desktop access with single sign-on	VMware Identity Manager Standard			Yes	Yes
<b>WORKSPACE ENVIRONMENT MANAGEMENT</b>					
<b>IMAGE MANAGEMENT</b>					
Image management for physical desktop	VMware Mirage			Yes	Yes

FEATURE	SUB-COMPONENT/ PRODUCT	HORIZON FOR LINUX	HORIZON STANDARD	HORIZON ADVANCED	HORIZON ENTERPRISE
<b>WORKSPACE ENVIRONMENT MANAGEMENT (CONTINUED)</b>					
<b>DESKTOP AND APPLICATION MANAGEMENT</b>					
Real-time application delivery	VMware App Volumes™ Enterprise				Yes
Just-in-Time Delivery with Instant-Clone Technology	VMware Horizon				Yes
<b>USER ENVIRONMENT MANAGEMENT</b>					
User, profile, and policy management	VMware User Environment Manager™				Yes
<b>CLOUD ANALYTICS AND OPERATIONS MANAGEMENT</b>					
Operations dashboard - health monitoring and performance analytics	VMware vRealize® Operations for Horizon				Yes
Capacity management - planning and optimization	VMware vRealize Operations for Horizon				Yes
<b>INFRASTRUCTURE</b>					
<b>STORAGE</b>					
Virtual storage	VMware Virtual SAN™ Advanced for Desktop* with all-flash			Yes	Yes
<b>DESKTOP INFRASTRUCTURE</b>					
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 Virtual SAN Standard to Virtual SAN 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"> <li>• VDI</li> <li>• ThinApp Packager/ Client</li> <li>• Workstation (1 admin license)</li> <li>• vSphere Desktop</li> <li>• vCenter Desktop (includes 25 Operating System Instances [OSIs] of VMware vRealize Log Insight™ for vCenter for Desktop)</li> </ul>	10-pack 100-pack	HZ7-STD-10-C HZ7-STD-100-C
Horizon 7 Advanced (Named)	Includes: <ul style="list-style-type: none"> <li>• Horizon 7 Standard</li> <li>• Hosted Apps (RDSH)</li> </ul>	10-pack 100-pack	HZ7-ADN-10-C HZ7-ADN-100-C
Horizon 7 Advanced (CCU)	Includes: <ul style="list-style-type: none"> <li>• Mirage</li> <li>• VMware Fusion® Pro</li> <li>• Virtual SAN Advanced for Desktop</li> </ul>		HZ7-ADC-10-C HZ7-ADC-100-C
Horizon 7 Enterprise (Named)	Includes: <ul style="list-style-type: none"> <li>• Horizon 7 Advanced</li> <li>• App Volumes Enterprise</li> <li>• User Environment Manager</li> </ul>	10-pack 100-pack	HZ7-ENN-10-C HZ7-ENN-100-C
Horizon 7 Enterprise (CCU)	Includes: <ul style="list-style-type: none"> <li>• vRealize Operations for Horizon (includes support for third-party VDI/ RDSH environments)</li> <li>• Linux VDI</li> </ul>		HZ7-ENC-10-C HZ7-ENC-100-C
Horizon 7 for Linux	Includes: <ul style="list-style-type: none"> <li>• Linux VDI</li> <li>• vSphere Desktop</li> <li>• vCenter Desktop (includes 25 Operating System Instances [OSIs] of vRealize Log Insight for vCenter for Desktop)</li> </ul>	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 Virtual SAN.

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 Virtual SAN	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 Virtual SAN	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: 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 Virtual SAN	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.

**VCE VxRail with Horizon**

Jointly developed by EMC and VMware, VCE 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.

		<b>DESKTOP WORKLOAD (CAN USE vSPHERE DESKTOP)</b>	<b>MIXED WORKLOAD (vSPHERE PER PROCESSOR LICENSING RECOMMENDED)</b>	<b>ALREADY OWN vSPHERE LICENSES</b>
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"> <li>• VDI</li> <li>• ThinApp Packager / Client</li> <li>• Workstation (1 admin license)</li> <li>• vSphere Desktop</li> <li>• vCenter Desktop (includes 25 Operating System Instances [OSIs] of vRealize Log Insight for vCenter for Desktop)</li> </ul>	10-pack 100-pack	HZ7-STD-10-C HZ7-STD-100-C
Horizon 7 Advanced (Named)	Includes: <ul style="list-style-type: none"> <li>• Horizon 7 Standard</li> <li>• Hosted Apps (RDSH)</li> </ul>	10-pack 100-pack	HZ7-ADN-10-C HZ7-ADN-100-C
Horizon 7 Advanced (CCU)	Includes: <ul style="list-style-type: none"> <li>• Mirage</li> <li>• VMware Fusion Pro</li> <li>• Virtual SAN Advanced for Desktop</li> </ul>		HZ7-ADC-10-C HZ7-ADC-100-C
Horizon 7 Enterprise (Named)	Includes: <ul style="list-style-type: none"> <li>• Horizon 7 Advanced</li> <li>• App Volumes Enterprise</li> </ul>	10-pack 100-pack	HZ7-ENN-10-C HZ7-ENN-100-C
Horizon 7 Enterprise (CCU)	Includes: <ul style="list-style-type: none"> <li>• User Environment Manager</li> <li>• vRealize Operations for Horizon (includes support for third-party VDI/RDSH environments)</li> <li>• Linux VDI</li> </ul>		HZ7-ENC-10-C HZ7-ENC-100-C
Horizon 7 for Linux	Includes: <ul style="list-style-type: none"> <li>• Linux VDI</li> <li>• vSphere Desktop</li> <li>• vCenter Desktop (includes 25 Operating System Instances [OSIs] of vRealize Log Insight for vCenter for Desktop)</li> </ul>	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 Virtual SAN.

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 Virtual SAN	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 Virtual SAN	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: 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 Virtual SAN	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 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.

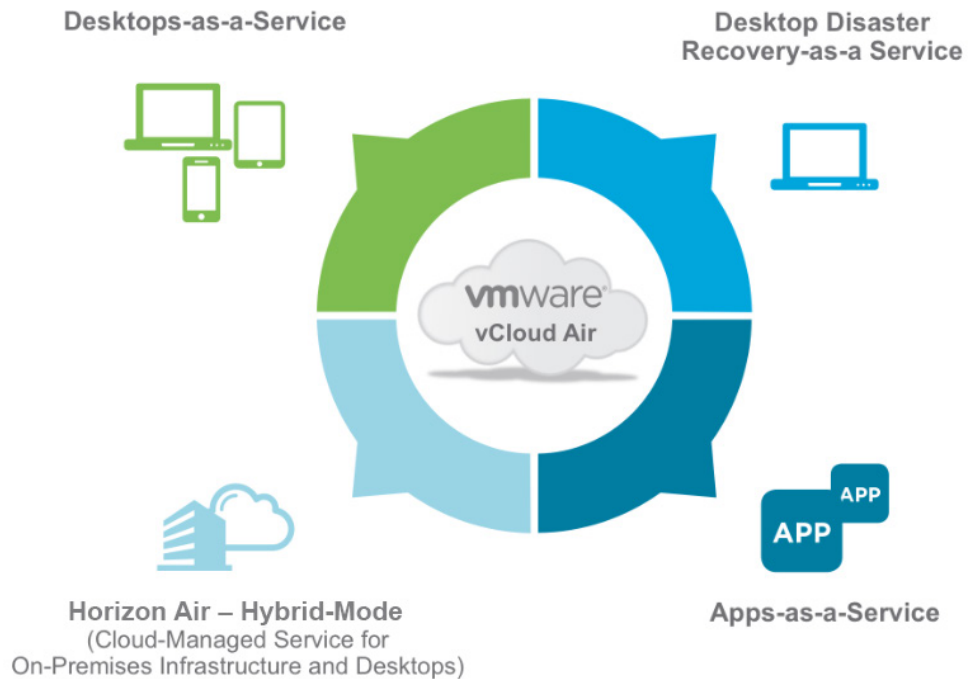
PRODUCT	DESCRIPTION	PACKAGING	SKU
Horizon FLEX	Includes: <ul style="list-style-type: none"> <li>• Horizon FLEX Policy Server</li> <li>• Horizon FLEX Clients (Fusion Pro / Player Pro)</li> <li>• VMware Mirage for FLEX</li> </ul>	10-pack	HZ-FLX-10-C
Upgrade: to Horizon FLEX from Fusion 8 Pro / Workstation 12 Player / Workstation 12 Pro	Includes: <ul style="list-style-type: none"> <li>• Horizon FLEX Policy Server</li> <li>• Horizon FLEX Clients (Fusion Pro / Player Pro)</li> <li>• VMware Mirage for FLEX</li> </ul>	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"> <li>• Horizon FLEX Policy Server</li> <li>• Horizon FLEX Clients (Fusion Pro / Player Pro)</li> <li>• VMware Mirage for FLEX</li> </ul>	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"> <li>• Horizon FLEX Policy Server</li> <li>• Horizon FLEX Clients</li> </ul>	10-pack	HZ-FLX-AD10-C

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

### VMware Horizon Air

VMware Horizon Air is a family of cloud services from VMware, built on VMware vCloud® Air, to deliver virtual desktops, applications, and disaster recovery to end users on any device, anywhere, without the hassle and cost of managing your own infrastructure. And now, VMware is offering cloud-managed desktops and apps that work in conjunction with your on-premises infrastructure, which allows customers to seamlessly provision and manage services on premises or in the cloud with true hybrid-cloud flexibility using a single, unified cloud control plane.

- **Horizon Air, Cloud-Hosted** – Desktops and applications delivered and managed from the public cloud
- **Horizon Air, Hybrid-Mode** – A new offering built for cloud and hyper-converged infrastructure that delivers a hybrid model, allowing you to manage your desktop and apps in the cloud, but have converged infrastructure locally



### Horizon Air, Hybrid-Mode

Horizon Air, Hybrid-Mode desktops 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 Air in Hybrid-Mode, they can deploy on either a hyper-converged appliance or Virtual SAN Ready Node.

First, a core subscription with 100 seats minimum must be purchased. There is an option to subscribe to either Named User or Concurrent User licensing, but licensing types cannot be mixed under a single management platform. In addition, there is a choice to subscribe to the full version, which includes the infrastructure software: vSphere, Virtual SAN, and vCenter Server or the option to 'Bring your own vSphere' with a discounted rate. The full version is available exclusively through an Enterprise License Agreement (ELA) while the 'Bring your own vSphere' version is available also through the channel.

STEP ONE				
PURCHASE CORE SUBSCRIPTION PLAN SKU				
QUANTITY	100 SEATS*			
License metric	Named User		Concurrent User	
Infrastructure	Includes vSphere	Bring your own vSphere	Includes vSphere	Bring your own vSphere
SKU	HAH-CRNUR-*	HAH-CRNUB-*	HAH-CRCUR-*	HAH-CRCUB-*
Price per seat / month	\$18	\$16	\$30	\$26

\*Full SKU requires a suffix to reflect term and payment information.

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

STEP TWO				
USE ADD-ON SKUS TO PURCHASE ADDITIONAL SEATS				
QUANTITY	10 SEATS			
License metric	Named User		Concurrent User	
Infrastructure	Includes vSphere	Bring your own vSphere	Includes vSphere	Bring your own vSphere
SKU	HAH-ADNUR-*	HAH-ADNUB-*	HAH-ADCUR-*	HAH-ADCUB-*
Price per seat / month	\$18	\$16	\$30	\$26

\*Full SKU requires a suffix to reflect term and payment information.

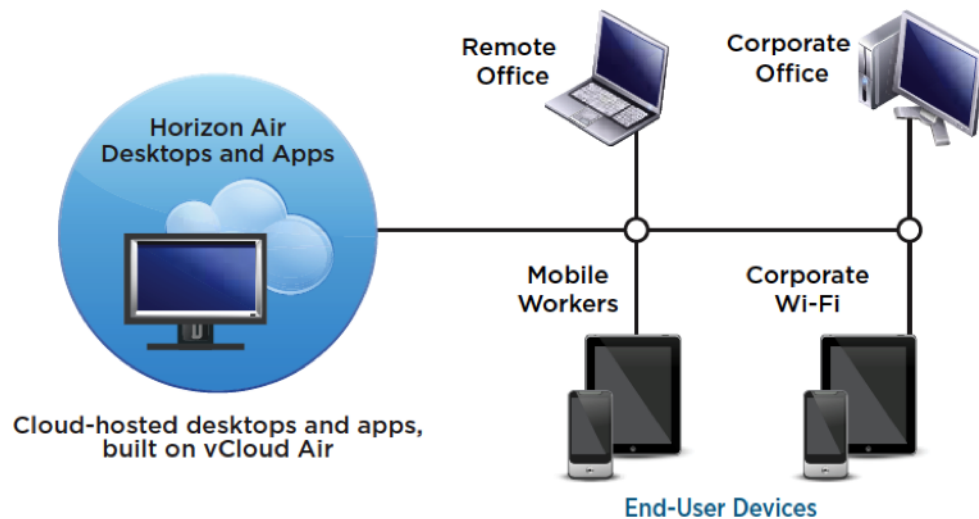
Subscriptions are available in 1-, 2-, or 3-year terms. The above pricing is based on the annual rate and can be paid monthly, yearly, or prepaid. Horizon Air customers can cancel or change their service with 30 to 60 days' notice. In order to change or terminate a contract, it must be a 12-month service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

**Cloud-Hosted Desktops, Apps, and Disaster Recovery as a Service**

Horizon Air Desktops and Apps allow end users to securely access their desktops and apps from any device or browser, and IT to easily manage their deployment using existing skills and tools. Backed by the trusted foundation of VMware vSphere, VMware Horizon Desktops and Apps deliver the reliability, security, and performance that IT expects, with VMware business essential support.

VMware Horizon Air Desktop Disaster Recovery (DR) enables organizations to easily protect their business and ensure workforce continuity with affordable cloud-hosted desktops and apps. In the event of a disaster, IT can get users up and running quickly with the speed of the cloud without the complexity of physical desktop disaster recovery solutions. End users can be productive instantly, from any device, anywhere, with a secure workspace connected to corporate resources. With a cloud service from VMware, desktop disaster recovery is now accessible by any organization at a fraction of the cost.

**Windows desktops and apps as a cloud service. Backed by VMware.**  
Simple cloud desktops at a predictable cost, without sacrificing security and control



### VMware Horizon Air – Desktop and Applications

End users will access their virtual desktop and hosted apps with the VMware Horizon Client or through the Web from the device of their choice. Virtual desktops and hosted apps reside in the cloud and IT can easily manage these using existing skills and tools. VMware will provide the management of the underlying infrastructure, along with best-in-class SLAs, service, and support.

Horizon Air Desktops has various workload options to suit different use cases. Users can select Standard, Advanced, Enterprise, or the newest configuration, Enterprise Plus Desktops, which are outlined in the table below. Note that a Horizon Air Business Starter Bundle is also available, which allows the customer to pilot the offering with a mix of Desktop and Apps options. The Business Starter Bundle behaves like any core subscription, allowing customers to add desktops or hosted apps servers as needed. Desktop options are sold in packs of 10 and Hosted App Server is available in packs of 1, after the minimum initial order of 50 Desktops or 12 Hosted App Servers has been met. All Horizon Air Desktop and Apps packages include 1 IP address, 10 Gold pattern templates, 1 Gbps connectivity, and support. New deployments can be made coterminous with previous deployments.

	Standard for task workers	Advanced for knowledge workers	Enterprise for power users	Enterprise Plus for developers / engineers <small>NEW</small>	Hosted Apps for application delivery <small>NEW CONFIG</small>
Price*	\$35	\$50	\$100	\$200	\$200
Compute	1 vCPU	2 vCPU	4 vCPU	8 vCPU	8 vCPU
Memory	2 GB vRAM	4 GB vRAM	8 GB vRAM	16 GB vRAM	16 GB vRAM
Storage	30 GB	60 GB	120 GB	240 GB	240 GB
Soft 3D		✓	✓	✓	

\* Pricing shown based on 12-month subscription term.

Pricing also varies depending on the term length and payment, which can be paid annually, monthly, or prepaid, and spans from 1 to 60 months. See the table below for more option details.

TERM LENGTH	ANNUAL PAYMENT	MONTHLY PAYMENT	PREPAID	ELA ONLY
1 month		X		
12 months		X	X	
24 months	X	X	X	
36 months	X	X	X	
48 months			X	X
60 months			X	X


Additional add-ons include:

- Additional hard disk storage (1 TB)
- Direct connect speed of 1 and 10 Gbps
- Additional IP addresses
- VMware Horizon Air Disaster Recovery Add-On. (See next section below for more details.)

To purchase, customers must first purchase a core subscription, which includes required components of the service. Core subscriptions are available in 1-, 12-, 24-, 36-, 48-, and 60-month terms.

**Step 1**

**Core Subscription**



*Required Components  
(offered as one SKU)*

**Desktop/App Configuration**  
Standard, Advanced, Enterprise, Enterprise Plus, or Hosted App Server


10 Gold Pattern Templates	Support
1 IP Address	Account Admin Fee

Customers must first purchase a core subscription which includes required components of the service. Core subscriptions are available in 1, 12, 24, 36, 48 and 60 month terms.

Add-on services can be purchased as needed. Add-on services match the terms of the core subscription.

**Step 2**

**Add-Ons**



Standard Desktops	Advanced Desktops
Enterprise Desktops	Enterprise Plus Desktops
<b>Hosted App Server</b>	
Direct Connect (1 Gbps / 10 Gbps)	
Additional IP Addresses	
1 TB Hard Disk Storage	

Add-on services can be purchased as needed. Add-on services match the terms of the core subscription.

PILOT	CONFIGURATION	QTY	TERM	PRICE	\$ / DESKTOP / MONTH	BILLING FREQUENCY
Business Starter Bundle*	Mix and Match up to 80 vCPU, 160 GB RAM, and 2,400 GB HD	1	1 month and 1, 2, 3, 4, 5 years**	\$2,499 (1-month term)	N/A	Prepaid, monthly, annual
CORE SKU (ONE / CUSTOMER)	CONFIGURATION	QTY	QTY	PRICE / MONTH***	\$ / DESKTOP / MONTH	BILLING FREQUENCY
Standard Desktops	1 vCPU, 2 GB RAM, 30 GB HD	50	1, 2, 3, 4, 5 years**	\$1,750	\$35	Prepaid, monthly, annual
Advanced Desktops	2 vCPU, 4 GB RAM, 60 GB HD	50	1, 2, 3, 4, 5 years**	\$2,500	\$50	Prepaid, monthly, annual
Enterprise Desktops	4 vCPU, 8 GB RAM, 120 GB HD	50	1, 2, 3, 4, 5 years**	\$5,000	\$100	Prepaid, monthly, annual
Enterprise Plus Desktops	8 vCPU, 16 GB RAM, 240 GB HD	12	1, 2, 3, 4, 5 years**	\$2,400	\$200	Prepaid, monthly, annual
Hosted Apps Server	8 vCPU, 16 GB RAM, 240 GB HD	12	1, 2, 3, 4, 5 years**	\$2,400	\$200/server	Prepaid, monthly, annual
ADD-ON DESKTOP SKUS	CONFIGURATION	QTY	TERM	PRICE / MONTH***	\$ / DESKTOP / MONTH	BILLING FREQUENCY
Standard Desktop Add-On	1 vCPU, 2 GB RAM, 30 GB HD	10	1, 2, 3, 4, 5 years**	\$350	\$35	Prepaid, monthly, annual
Advanced Desktop Add-On	2 vCPU, 4 GB RAM, 30 GB HD	10	1, 2, 3, 4, 5 years**	\$500	\$50	Prepaid, monthly, annual
Enterprise Desktops Add-On	4 vCPU, 8 GB RAM, 120 GB HD	10	1, 2, 3, 4, 5 years**	\$1,000	\$100	Prepaid, monthly, annual
Enterprise Plus Desktops Add-On	8 vCPU, 16 GB RAM, 240 GB HD	1	1, 2, 3, 4, 5 years**	\$200	\$200	Prepaid, monthly, annual
Hosted Apps Server Add-On	8 vCPU, 16 GB RAM, 240 GB HD	1	1, 2, 3, 4, 5 years**	\$200	\$200/server	Prepaid, monthly, annual

ADD-ON OPTIONS	CONFIGURATION	QTY	TERM	PRICE / MONTH***	\$ / DESKTOP / MONTH	BILLING FREQUENCY
1 TB Additional Storage	1 TB Storage	1	1, 2, 3, 4, 5 years**	\$120	N/A	Prepaid, monthly, annual
Additional IP Address	1 IP Address	1	1, 2, 3, 4, 5 years**	\$24	N/A	Prepaid, monthly, annual
Direct Connect - Cross Connect 1 Gbps	1 Gbps	1	1, 2, 3, 4, 5 years**	\$1,152	N/A	Prepaid, monthly, annual
Direct Connect - Cross Connect 10 Gbps	10 Gbps	1	1, 2, 3, 4, 5 years**	\$6,240	N/A	Prepaid, monthly, annual
Direct Connect - Network Exchange 1 Gbps	1 Gbps	1	1, 2, 3, 4, 5 years**	\$672	N/A	Prepaid, monthly, annual
Direct Connect - Network Exchange 10 Gbps	10 Gbps	1	1, 2, 3, 4, 5 years**	\$4,800	N/A	Prepaid, monthly, annual

\*Configuration must be selected at time of purchase / provisioning.

\*\*4- and 5-year options are ELA only.

\*\*\*Monthly prices based upon 12-month term unless stated otherwise. Discounts available for longer terms.

### VMware Horizon Air - Disaster Recovery

In the event of a disaster, with VMware Horizon Air Disaster Recovery (DR), IT can get users up and running quickly with the speed of the cloud without the complexity of physical desktop disaster recovery solutions. Horizon Air Desktop DR begins with a Core Subscription service with a minimum 12-month term. From there, customers can add on desktop reservation capacity for their tiered workforce with a mix and match of recovery Service License Agreements (SLAs). The following tiered services are available:

- **Gold** - 8-hour capacity response time
- **Silver** - 24-hour capacity response time
- **Bronze** - 72-hour capacity response time

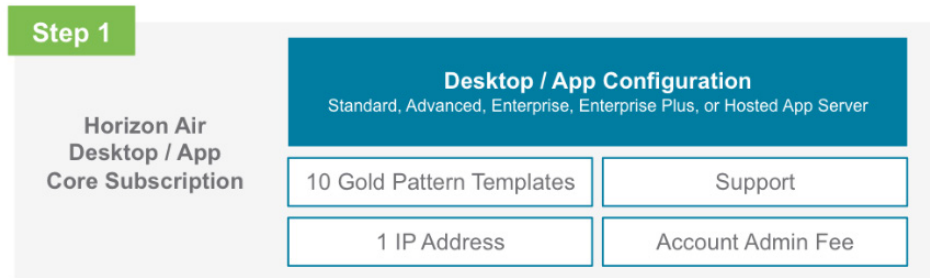
	Bronze Tier (72-hour response time)	Silver Tier (24-hour response time)	Gold Tier (8-hour response time)	Daily Usage Fee (billed monthly)**
Standard Desktops	\$5.00	\$10.00	\$17.50	\$2.35
Advanced Desktops	\$7.00	\$14.00	\$25.00	\$3.35
Enterprise Desktops	\$14.00	\$28.00	\$50.00	\$6.65
Enterprise Plus Desktops	\$28.00	\$56.00	\$100.00	\$13.35
Hosted App Server	\$28.00	\$56.00	\$100.00	\$13.35

The Desktop reservation capacity allows the customer to take desktops placed in reserve out of standby for any event. Daily usage fees apply when an event is declared.

Term lengths and payments span from 12 to 60 months and include annual, monthly, or prepaid options. See the table below for more option details.

TERM LENGTH	ANNUAL PAYMENT	MONTHLY PAYMENT	PREPAID	ELA ONLY
12 months		X	X	
24 months	X	X	X	
36 months	X	X	X	
48 months			X	X
60 months			X	X

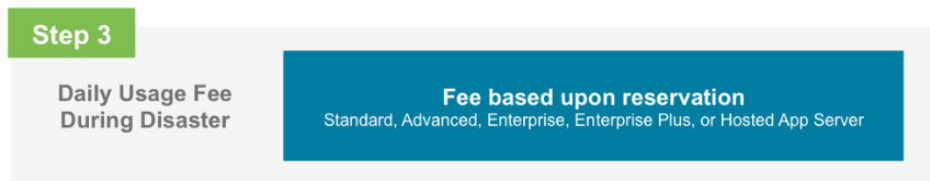
To purchase, customers must purchase a minimum 12-month core subscription. This covers startup and ongoing operating costs. More information about core subscriptions can be found in the previous section.



Customers then purchase desktop reservation capacity for the number of users the customer wants to have “insurance” for. You can mix and match both tiers and desktop and app configurations.



Variable fees charged when the customer declares an event and “turns on” desktops sitting in reserve. There is a 7-day minimum and daily usage fees also apply to testing.



## 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"> <li>• App Volumes</li> <li>• User Environment Manager</li> <li>• Platform for cloud-based technologies</li> </ul>	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"> <li>• App Volumes</li> <li>• User Environment Manager</li> <li>• ThinApp</li> <li>• AppToggle, AppCapture, and AppScaling with Multizones capabilities for cloud-based platform</li> </ul>	10-pack 100-pack	AV-ADVN-10-C AV-ADVN-100-C AV-ADVC-10-C AV-ADVC-100-C
App Volumes Enterprise	Includes: <ul style="list-style-type: none"> <li>• App Volumes</li> <li>• User Environment Manager</li> <li>• ThinApp</li> <li>• AppToggle, AppCapture, and AppScaling with Multizones capabilities for cloud-based platform</li> <li>• VMware vRealize Operations for Published Applications™</li> </ul>	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 TrustPoint

VMware TrustPoint™ combines time-tested VMware imaging capabilities and Tanium’s leading-edge security platform to empower security and IT teams with 15-second visibility across large global networks. VMware TrustPoint also provides next-generation threat detection and remediation at unparalleled speed and scalability across Windows, Mac, and Linux endpoints.

VMware TrustPoint is a perpetual product, licensed by device. There is a minimum purchase quantity of 100 devices and additional licenses can be purchased in 10-device increments. See the SKU table below for details.

DESCRIPTION	SKU	PACK SIZE
VMware TrustPoint: Starter Pack (100 devices)	TP-STR-100-C	100-pack
VMware TrustPoint: Incremental Pack (10 devices)	TP-INC-10-C	10-pack

New Add-On Modules build on the TrustPoint integrated solution for endpoint security. For detailed SKU information, see the chart below:

PRODUCT	PRODUCT	SKU	DESCRIPTION
VMware TrustPoint Add-on: IR	10 Devices	TP-ADIR-10-C	Find, contain, and remediate threats and vulnerabilities with unparalleled speed and scalability.
	100 Devices	TP-ADIR-100-C	
VMware TrustPoint Add-on: IOC Detect	10 Devices	TP-ADIO-10-C	Consolidate threat intelligence data from multiple sources and detect complex indicators of compromise (IOC) across the entire organization in seconds.
	100 Devices	TP-ADIO-100-C	
VMware TrustPoint Add-on: Trace	10 Devices	TP-ADTR-10-C	Help incident response teams to quickly search, filter, and visualize forensic data, and piece together the story about what happened on an endpoint at a given point in time.
	100 Devices	TP-ADTR-100-C	
VMware TrustPoint Add-on: Comply	10 Devices	TP-ADCM-10-C	Proactive security configuration compliance leveraging CIS benchmarks.
	100 Devices	TP-ADCM-100-C	
VMware TrustPoint Add-on: Discover	10 Devices	TP-ADDC-10-C	Quickly find unmanaged assets within the organization and allow security and IT teams to directly take actions necessary to review, secure, and gain control of these assets.
	100 Devices	TP-ADDC-100-C	
VMware TrustPoint Add-on: Protect	10 Devices	TP-ADPT-10-C	Deliver policies and actions to manage native operating-system protections.
	100 Devices	TP-ADPT-100-C	
VMware TrustPoint Add-on: Patch	10 Devices	TP-ADPH-10-C	Customize patch workflows with up-to-the-second endpoint visibility and control with just a single server regardless of network scale.
	100 Devices	TP-ADPH-100-C	

TrustPoint is available now in most countries worldwide and can be purchased exclusively through VMware Direct Sales.

## 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"> <li>• Mirage Image Management</li> <li>• ThinApp</li> </ul>	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"> <li>• 1 Packager</li> <li>• 50 client licenses</li> <li>• 1 Workstation (admin usage only)</li> </ul>	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](http://vmware.com)

### Virtual SAN for Desktop

VMware Virtual SAN 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. Virtual SAN delivers high-performance, highly resilient shared storage by clustering server-attached flash devices and/or hard disks (HDDs). Virtual SAN 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, Virtual SAN 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. Virtual SAN 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
Virtual SAN for Desktop Standard		10-pack 100-pack	ST6-VSDT10-C ST6-VSDT100-C
Virtual SAN for Desktop Advanced	Includes: <ul style="list-style-type: none"> <li>• Virtual SAN for Desktop Standard</li> <li>• All-flash</li> </ul>	10-pack 100-pack	ST6-AD-D10-C ST6-AD-D100-C
Virtual SAN for Desktop Enterprise	Includes: <ul style="list-style-type: none"> <li>• Virtual SAN for Desktop Advanced</li> <li>• Stretch Cluster</li> <li>• Quality of Service</li> </ul>	10-pack 100-pack	ST6-EN-D10-C ST6-EN-D100-C

### 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"> <li>• NSX Advanced for Desktop</li> <li>• Multi-site NSX optimizations</li> <li>• VPN (IPsec and SSL) Remote Gateway</li> <li>• Integration with hardware VTEPs</li> </ul>	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](#).

### 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)

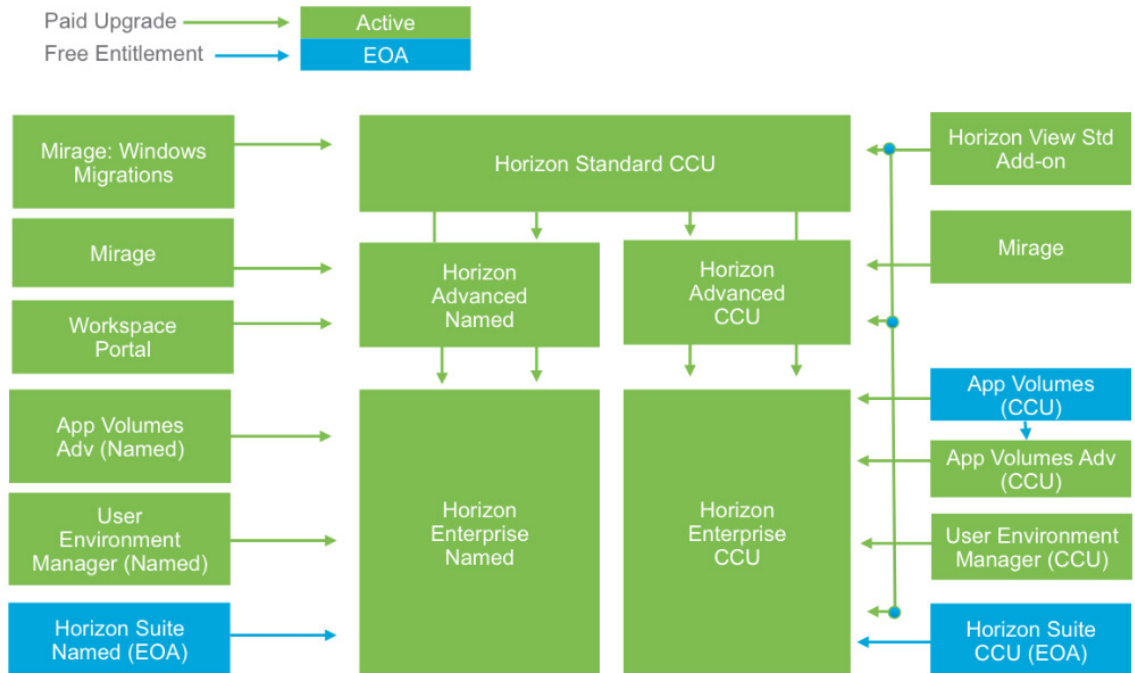
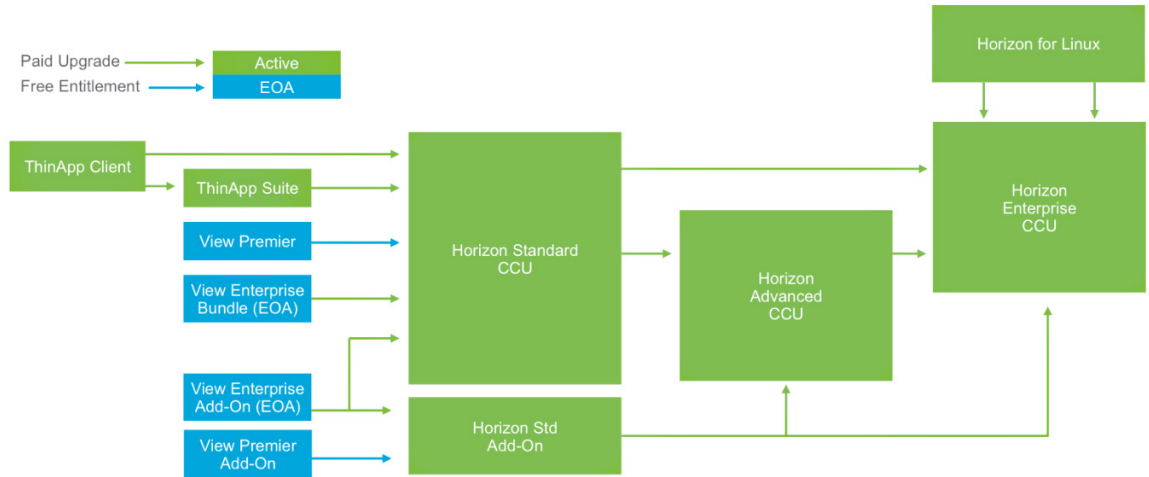
Existing customers with current Subscription and Support (SnS) contracts are entitled to the next product version. For example, customers with Horizon View 5.0 and current on SnS are able to upgrade to Horizon View 5.3. Customers with a lapsed SnS contract must contact VMware Support before upgrading. 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

### 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"> <li>• vSphere Desktop</li> <li>• vCenter Desktop</li> </ul> 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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