VMware Horizon Client for Windows Embedded Operating System

Release Notes

Notes, cautions, and warnings

(i) **NOTE: A NOTE indicates important information that helps you make better use of your product.**

△ **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

⚠ **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Contents

Introduction

VMware Horizon Client is a locally installed software application that communicates between View Connection Server and thin client operating system. It provides access to centrally hosted virtual desktops from your thin clients.

VMware session services can be made available on the network after you install the VMware Horizon Client. It provides virtualized or hosted desktops and applications through a single platform to end users.

Topics:

* Version matrix

Version matrix

The following table summarizes the VMware Horizon Client versions that are supported by Wyse thin clients:

Table 1. VMware Horizon Client versions

Version	Release date	Release notes
VMware Horizon Client Standard 5.3	January 2020	VMware Horizon Client 5.3
VMware Horizon Client Standard 5.2	November 2019	VMware Horizon Client 5.2
VMware Horizon Client Standard 5.1	August 2019	VMware Horizon Client 5.1
VMware Horizon Client Standard 5.0	May 2019	VMware Horizon Client 5.0
VMware Horizon Client Standard 4.10.0	February 2019	VMware Horizon Client 4.10
VMware Horizon Client Standard 4.9	November 2018	VMware Horizon Client 4.9
VMware Horizon Client Standard 4.8	July 2018	VMware Horizon Client 4.8
VMware Horizon Client Standard 4.7	February 2018	VMware Horizon Client 4.7

VMware Horizon Client version 5.3

Release summary

This release notes contains information about the add-on to update the VMware Horizon Client to the latest version 5.3.

Version

VMware Horizon Client version 5.3

Release date

January 2020

To download the package, see download the add-on.

Priority and recommendations

Recommended: It is recommended to apply this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Compatibility

Supported operating systems

- Windows 10 IoT Enterprise
- Windows Embedded Standard 7P

Previous version

VMware Horizon Client version 5.2

Add-on details

- **File name**—VMwareHorizonClient_5_3.exe
- **File version**—1.0.0.0
- **File size**—222 MB (233,337,688 bytes)
- **Silent parameter**—--silent

New and enhanced features

The following are the new features of VMware Horizon Client version 5.3:

- When the **Enable Battery State Redirection** agent group policy setting is enabled, the battery information of the Windows Embedded-based thin client is redirected to a Windows remote desktop.

- By default, the custom display resolution and display scaling settings are stored only on the local client. An administrator can use the **Save resolution and DPI to server client** group policy setting to save these settings to the server so that they are always applied. These settings are applied regardless of the client system that you use to log in to the remote desktop.
- An administrator can customize the labels on the RADIUS authentication login page that appears in Horizon Client.

For more information about the VMware Horizon Client version 5.3 features, see the *VMware Horizon Client 5.3 for Windows Release Notes* at docs.vmware.com.

Known issues

Table 2. Known issues

Issue ID	Description	Workaround
WIN-1243	If you connect six displays and launch a VMware Horizon View Client 7.10 published desktop on the primary display, a blank screen is displayed on the remaining five displays. This issue is observed in Wyse 5070 Thin Clients.	There is no workaround in this release.
WIN-1242	A lag is observed when you drag a window within the desktop or to a different desktop.	There is no workaround in this release.

Important notes

System requirement

Minimum free disk space required to install the VMware Horizon Client version 5.3 add-on is 800 MB.

Tested environment

Table 3. Windows 10 IoT Enterprise Redstone 1

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 Thin Client with Pentium processor	64 GB SSD	8 GB	WIE10_5070_November2019.exe
Wyse 5070 Extended Thin Client with Pentium processor	64 GB SSD	8 GB	WIE10_5070_November2019.exe
Wyse 5070 Thin Client with Celeron processor	32 GB eMMC	4 GB	WIE10_5070_November2019.exe
Wyse 5470 Thin Client	32 GB eMMC	4 GB	WIE10_5470_November2019.exe
Wyse 5470 All-in-One Thin Client	32 GB eMMC	4 GB	WIE10_5470_All_in_One_November2019.exe

Table 4. Windows 10 IoT Enterprise Redstone 5

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 Thin Client with Pentium processor	64 GB SSD	8 GB	WIN10_5070_Sepetember2019.exe
Wyse 5070 Extended Thin Client with Pentium processor	64 GB SSD	8 GB	WIN10_5070_Sepetember2019.exe
Wyse 5070 Thin Client with Celeron processor	32 GB eMMC	4 GB	WIN10_5070_Sepetember2019.exe

Table 5. Windows 10 IoT Enterprise Threshold 1

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 Thin Client	128 GB SSD/256 GB SED/500 GB hard drive	4 GB/8 GB/16 GB	`7040_0A79_32GB_Standard.exe`

Table 6. Windows Embedded Standard 7P

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 Thin Client	128 GB SSD/256 GB SED/500 GB hard drive	4 GB/8 GB/16 GB	`7040_7091_32GB.exe`

Table 7. Management server details

Server	Version
Dell Wyse Management Suite	1.4.1
System Center Configuration Manager	**System Center Configuration Manager 2016 version 1606** Console version—5.0.8412.1313 Site version—5.0.8412.1000 **System Center Configuration Manager 2019 version 1902** Console version—5.1902.1085.1700 Site version—5.0.8790.1000
Dell Wyse Device Manager—Wyse 7040 Thin Client only	5.7.3

Table 8. Agent details

Server	Version
Horizon Agent	7.11
Wyse Device Agent	14.4.1.5

ⓘ **NOTE: It is recommended that you upgrade the Wyse Device Agent (WDA) to the latest version before deploying the VMware Horizon Client version 5.3 add-on.**

VMware Horizon Client version 5.2

Release summary

This release notes contains information about the add-on to update the VMware Horizon Client to the latest version 5.2.

Version

VMware Horizon Client version 5.2

Release date

November 2019

To download the package, see download the add-on.

Priority and recommendations

Recommended: It is recommended to apply this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Compatibility

Supported operating systems

- Microsoft Windows 10 IoT Enterprise
- Microsoft Windows Embedded Standard 7P

Previous version

VMware Horizon Client version 5.1

Add-on details

- **File name**—`VMwareHorizonClient_5_2.exe`
- **File version**—1.0.0.1
- **File size**— 220,383,936 bytes
- **Silent parameter**—`--silent`

New and enhanced features

The following are the new features of VMware Horizon Client version 5.2:

- You can use the **Log in as current user** feature to log in to a Connection Server instance in a domain that is configured to have a one-way trust with the Horizon Client domain. You can log in without being prompted to reauthenticate.
- The Real-Time Audio-Video and scanner redirection features are supported in nested mode.

- The vmware-remotemks process is replaced with the Lightweight Protocol Client to increase the display device performance, and decrease CPU use.
- You can use Horizon Client to customize the display resolution and display scaling for a remote desktop.
- You can use the hot-key combination—Ctrl+Alt—to capture the input focus. You can also use the hot-key combination to release the input focus group policy settings to configure keyboard shortcuts for input focus.
- An administrator can synchronize the toggle states of the Num Lock, Scroll Lock, and Caps Lock keys from the client computer to a remote desktop by using the **Automatically synchronize the keypad, scroll and caps lock keys** group policy setting.
- An administrator can map drive letters by using the **Configure drive letter mapping** mode and **Define drive letter mapping agent** group policy settings.
- When you connect to a virtual desktop, the Real-Time Audio-Video feature redirects all the webcams and microphones that are connected to the client computer to the virtual desktop.

For more information about the VMware Horizon Client version 5.2 features, see the *VMware Horizon Client 5.2 for Windows Release Notes* at docs.vmware.com.

Known issues

Table 9. Known issues

Issue ID	Description	Workaround
WIN-1243	If you connect six displays, and launch a VMware Horizon View Client 7.10 published desktop on the primary display, a blank screen is observed on the remaining five displays. This issue is observed in Wyse 5070 Thin Clients.	There is no workaround in this release.
WIN-1242	A lag is observed when you drag a window within the desktop or to a different desktop.	There is no workaround in this release.

Important notes

System requirement

Minimum free disk space required to install the VMware Horizon Client version 5.2 add-on is 800 MB.

Tested environment

Table 10. Windows 10 IoT Enterprise Redstone 1

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 Thin Client with Pentium processor	64 GB SSD	8 GB	WIN10_5070_March2019.exe
Wyse 5070 Extended Thin Client with Pentium processor	64 GB SSD	8 GB	WIN10_5070_March2019.exe
Wyse 5070 Thin Client with Celeron processor	32 GB eMMC	4 GB	WIN10_5070_March2019.exe
Wyse 5470 Thin Client	32 GB eMMC	4 GB	WIE10_5470_July2019.exe
Wyse 5470 All-in-One Thin Client	32 GB eMMC	4 GB	WIE10_5470_All_in_One_June2019.exe

Table 11. Windows 10 IoT Enterprise Redstone 5

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 Thin Client with Pentium processor	64 GB SSD	8 GB	`WIN10_5070_Sepetember2019.exe`
Wyse 5070 Extended Thin Client with Pentium processor	64 GB SSD	8 GB	`WIN10_5070_Sepetember2019.exe`
Wyse 5070 Thin Client with Celeron processor	32 GB eMMC	4 GB	`WIN10_5070_Sepetember2019.exe`

Table 12. Windows 10 IoT Enterprise Threshold 1

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 Thin Client	128 GB SSD/256 GB SED/ 500 GB hard drive	4 GB/ 8 GB/ 16 GB	`7040_0A79_32GB_Standard.exe`

Table 13. Windows Embedded Standard 7P

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 Thin Client	128 GB SSD/256 GB SED/ 500 GB hard drive	4 GB/8 GB/16 GB	`7040_7091_32GB.exe`

Table 14. Management server details

Server	Version
Dell Wyse Management Suite	1.4
Microsoft System Center Configuration Manager	**Microsoft System Center Configuration Manager 2016 version 1606** Console version—5.0.8412.1313 Site version—5.0.8412.1000 **Microsoft System Center Configuration Manager 2019 version 1902** Console version— 5.1902.1085.1700 Site version— 5.0.8790.1000
Dell Wyse Device Manager—Wyse 7040 thin client only	5.7.3

ⓘ **NOTE:**

- **Horizon Agent version 7.10 is used to test the features of VMware Horizon Client version 5.2.**
- **Wyse Device Agent (WDA) version 14.4.1.5 is used during the VMware Horizon Client version 5.2 add-on testing. It is recommended that you upgrade the Wyse Device Agent (WDA) to the latest version before deploying the VMware Horizon Client version 5.2 add-on.**

VMware Horizon Client version 5.1

Release summary

This release notes contains information about the add-on to update the VMware Horizon Client to the latest version 5.1.

Version

VMware Horizon Client version 5.1

Release date

August 2019

To download the package, see download the add-on.

Priority and recommendations

Recommended: It is recommended to apply this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Compatibility

Supported operating systems

- Microsoft Windows 10 IoT Enterprise
- Microsoft Windows Embedded Standard 7P

Previous version

VMware Horizon Client version 5.0

Add-on details

- **File name**—VMwareHorizonClient_5_1.exe
- **File version**—1.0.0.1
- **File size**— 220,383,936 bytes

New and enhanced features

The following are the new features of VMware Horizon Client version 5.1:

- Enhanced drag and drop features.
- You can install desktop and applications shortcuts when you start Horizon Client.
- Enhanced multiple monitor support.
- Serial port redirection is supported in nested mode.
- Device filtering with client drive redirection is enabled.

For more information about the VMware Horizon Client version 5.1 features, see the *VMware Horizon Client 5.1 for Windows Release Notes* at docs.vmware.com.

Known issues

Table 15. Known issues

Issue ID	Description	Workaround
WIN-952	**VMware Horizon Client Repair** functionality does not work when you try to repair via **Control Panel**.	Repair is done through command prompt by passing parameter as VMwareHorizonclient_5_1.exe --silent --repair using Installer (Add-on).

Important notes

System requirement

Minimum free disk space required to install the VMware Horizon Client version 5.1 add-on is 800 MB.

Tested environment

Table 16. Windows 10 IoT Enterprise RedStone 1

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 thin client with Pentium processor	64 GB SSD	8 GB	`WIN10_5070_March2019.exe`
Wyse 5070 Extended thin client with Pentium processor	64 GB SSD	8 GB	`WIN10_5070_March2019.exe`
Wyse 5070 thin client with Celeron processor	32 GB eMMC	4 GB	`WIN10_5070_March2019.exe`

Table 17. Windows 10 IoT Enterprise Threshold 1

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 thin client	128 GB SSD/256 GB SED/ 500 GB hard drive	4 GB/ 8 GB/ 16 GB	`7040_0A79_32GB_Standard.exe`

Table 18. Windows Embedded Standard 7P

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 thin client	128 GB SSD/256 GB SED/ 500 GB hard drive	4 GB/8 GB/16 GB	`7040_7091_32GB.exe`

Table 19. Management server details

Server	Version
Dell Wyse Management Suite	1.4
Microsoft System Center Configuration Manager 2016	Microsoft System Center Configuration Manager version 1606 Console version—5.0.8412.1313 Site version—5.0.8412.1000
Dell Wyse Device Manager—Wyse 7040 thin client only	5.7.3

(i) **NOTE:**

- **Horizon Agent version 7.9 is used to test the features of VMware Horizon Client version 5.1.**
- **Wyse Device Agent (WDA) version 14.4.0.135 and 14.4.1.5 is used during the VMware Horizon Client version 5.1 add-on testing. It is recommended that you upgrade the Wyse Device Agent (WDA) to the latest version before deploying the VMware Horizon Client version 5.1 add-on.**

VMware Horizon Client version 5.0

Release summary

This release notes contains information about the add-on to update the VMware Horizon Client to the latest version 5.0.

Version

VMware Horizon Client version 5.0

Release date

May 2019

To download the package, see download the add-on.

Priority and recommendations

Recommended: It is recommended to apply this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Compatibility

Supported operating systems

- Microsoft Windows 10 IoT Enterprise
- Microsoft Windows Embedded Standard 7P

Previous version

VMware Horizon Client version 4.10

Add-on details

- **File name**—VMwareHorizonClient_5_0.exe
- **File version**—1.0.0.1
- **File size**—206,772,304 bytes

New and enhanced features

The following are the new features of VMware Horizon Client version 5.0:

- Enhanced user interface.
- Behavioral changes when you log in as a current user.
- Enhanced domain security.
- Enhanced multiple monitor support.
- Ability to configure lock key synchronization.

- Ability to synchronize DPI settings per connection.
- Ability to customize Horizon Client error message.
- Ability to customize Horizon Client menus.

For more information about the VMware Horizon Client version 5.0 features, see the *VMware Horizon Client 5.0 for Windows Release Notes* at docs.vmware.com.

Known issues

Table 20. Known issues

Issue ID	Description	Workaround
WS-2427	VMware Horizon Client repair functionality does not work when you attempt to repair the Horizon Client using Control Panel.	Run the command `VMwareHorizonclient_5_0.exe --silent --Repair` in Command Prompt using the installer, or send the command using the management software such as Wyse Management Suite, Wyse Device Manager, or System Center Configuration Manager 2016 (SCCM).

Important notes

System requirement

Minimum free disk space required to install the VMware Horizon Client version 5.0 add-on is 800 MB.

Tested environment

Table 21. Windows 10 IoT Enterprise RedStone 1

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 thin client with Pentium processor	64 GB SSD	8 GB	`WIN10_5070_March2019.exe`
Wyse 5070 Extended thin client with Pentium processor	64 GB SSD	8 GB	`WIN10_5070_March2019.exe`
Wyse 5070 thin client with Celeron processor	32 GB eMMC	4 GB	`WIN10_5070_March2019.exe`

Table 22. Windows 10 IoT Enterprise Threshold 1

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 thin client	128 GB SSD/256 GB SED/ 500 GB hard drive	4 GB/ 8 GB/ 16 GB	`7040_0A79_32GB_Standard.exe`

Table 23. Windows Embedded Standard 7P

Platform	Memory configuration	RAM size	Build package name
Wyse 7040 thin client	128 SSD/256 GB SED/ 500 GB hard drive	4 GB/8 GB/16 GB	`7040_7091_32GB.exe`

Table 24. Management server details

Server	Version
Dell Wyse Device Manager—Wyse 7040 thin client only	5.7.3
Dell Wyse Management Suite	1.3

Server	Version
Microsoft System Center Configuration Manager 2016	Microsoft System Center Configuration Manager version 1606 Console version—5.0.8412.1313 Site version—5.0.8412.1000

(i) **NOTE:**

- **Horizon Agent version 7.8 is used to test the features of VMware Horizon Client version 5.0.**
- **Wyse Device Agent (WDA) version 14.3.0.66 is used during the VMware Horizon Client version 5.0 add-on testing. It is recommended that you upgrade the Wyse Device Agent (WDA) to the latest version before deploying the VMware Horizon Client version 5.0 add-on.**

VMware Horizon Client version 4.10

Release summary

This release notes contains information about the add-on to update the VMware Horizon Client to the latest version 4.10.

Version

VMware Horizon Client version 4.10

Release date

February 2019

To download the package, see Installation update procedure for VMware Horizon Client.

Priority and recommendations

Recommended: It is recommended to apply this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Compatibility

Supported operating systems

- Microsoft Windows 10 IoT Enterprise
- Microsoft Windows Embedded Standard 7P
- Microsoft Windows Embedded Standard 7

Previous version

VMware Horizon Client version 4.9

Add-on details

- **File name**—VMwareHorizonClient_4_10.exe
- **File version**—1.0.0.1
- **File size**— 204,455,088 bytes

New and enhanced features

Added support for VMware Horizon Client version 4.10.

The following are the new features of VMware Horizon Client version 4.10:

- Ability to use published applications in multiple sessions.
- Ability to select specific monitors to display published applications.
- Ability to drag and drop files and folders between the client and published applications/remote desktops.

- Ability to use the geolocation redirection feature with Google Chrome.
- Ability to configure the clipboard audit feature to record information about copy and paste activity on the agent device.
- Support for VMware Virtual Print Redirection.
- Support for Virtual Printing on physical Remote Desktop Services (RDS) host machines.
- Support for Transport Layer Security (TLS) version 1.0 is discontinued.

For more information about the VMware Horizon Client version 4.10 features, see the *VMware Horizon Client 4.10 for Windows Release Notes* at docs.vmware.com.

Known issues

Table 25. Known issues

Issue ID	Description	Workaround
WS-2440	BSOD with an error code `CRITICAL PROCESS DIED` is observed when you push the VMware Horizon Client version 4.10 add-on from WDM or Wyse Management Suite. This issue is observed on thin clients running Windows 10 IoT Enterprise operating system.	Download and install the cumulative KB released in January 2019—`WIE10_1607_SecurityPatches_January2019.zip` from support.microsoft.com. Ensure that you do not set the screensaver or the device does not go to sleep mode during the KB installation. (i) **NOTE: Perform the DotNetCompilation and OSComponentcleanup operations to remove the outdated KBs.**
WS-2433	The CAD map tool does not work when you start an RDP session on WES7P clients.	Download and install the security update for Windows 7 for x64-systems—KB3075226 from support.microsoft.com.
WS-2427	VMware Horizon Client repair functionality does not work when you attempt to repair the Horizon Client using Control Panel.	Run the command `VMwareHorizonclient_4_10.exe--silent--Repair` in Command Prompt using the installer, or send the command using the management software.
WS-1829	An alert message `Your Computer is on low memory close these programs 'VMware Remote MKS'` may be displayed after you start a VMware session. This issue is observed on thin clients running Windows Embedded Standard 7P and Windows 10 IoT Enterprise operating system.	No workaround.

Important notes

System requirement

Minimum free disk space required to install the VMware Horizon Client version 4.10 add-on is 800 MB.

Tested environment

Table 26. Windows 10 IoT Enterprise RedStone 1

Platforms	Memory configuration	RAM size	Build package name
Wyse 5070 thin client	64 GB SSD	8 GB	`WIN10_5070_Oct2018.exe`
Wyse 5070 Extended thin client	64 GB SSD	8 GB	`WIN10_5070_Oct2018.exe`
Wyse 5060 thin client	32 GB flash	4 GB/ 8 GB	`5060_0A71_32GB_Standard.exe`
Latitude 3480 mobile thin client	128 GB SSD	8 GB	`3480_0A72_32GB.exe`
Latitude 5280 mobile thin client	128 GB SSD	8 GB	`5280_0A73_32GB.exe`

Table 27. Windows 10 IoT Enterprise Threshold 1

Platform	Memory configuration	RAM size	Build package name
Wyse 5020 thin client	32 GB flash	4 GB	GOG0_0A79_32GB.exe
Wyse 7020 thin client	32 GB flash	4 GB	GOG0_0A79_32GB.exe
Wyse 7020 accelerated graphics thin client	32 GB flash	4 GB	GOG0_0A79_32GB.exe
Wyse 7040 thin client	128 GB SSD/256 GB SED/ 500 GB hard drive	4 GB/ 8 GB/ 16 GB	7040_0A79_32GB_Standard.exe

Table 28. Windows Embedded Standard 7P

Platform	Memory configuration	RAM size	Build package name
Wyse 5020 thin client	16 GB flash	4 GB	BOB0_7091_16GB.exe
Wyse 7010 thin client	16 GB flash	4 GB	BZB0_0896_16GB.exe
Wyse 7020 thin client	16 GB flash	4 GB	BOB0_7091_16GB.exe
Wyse 7020 accelerated graphics thin client	16 GB flash	4 GB	BOB0_7091_16GB.exe
Latitude E7270 mobile thin client	128 GB SSD	8 GB	E7270_7065_128GB.exe
Latitude 3460 mobile thin client	128 GB SSD	8 GB	3460_7065_128GB.exe
Wyse 5060 thin client	32 GB flash	4 GB/ 8 GB	5060_7091_32GB.exe
Wyse 7040 thin client	128 SSD/256 GB SED/ 500 GB hard drive	4 GB/8 GB/16 GB	7040_7091_32GB.exe

Table 29. Windows Embedded Standard 7

Platform	Memory configuration	RAM size	Build package name
Wyse 3030 thin client	16 GB flash	4 GB	BEB0_7077_16GB.exe
Wyse 5010 thin client	16 GB flash	4 GB	BDB0_7064_16GB.exe
Wyse 5020 thin client	16 GB flash	4 GB	BOB0_7064_16GB.exe
Wyse 7010 thin client	16 GB flash	4 GB	BZB0_7064_16GB.exe
Wyse 7010 Extended Chassis thin client	16 GB flash	4 GB	BZB0_7064_16GB.exe
Wyse 7020 thin client	16 GB flash	4 GB	BOB0_7064_16GB.exe

Table 30. Management server details

Server	Version
Dell Wyse Device Manager	5.7.3
Dell Wyse Management Suite	1.3
Microsoft System Center Configuration Manager 2016	Microsoft System Center Configuration Manager version 1606 Console version—5.0.8412.1313 Site version—5.0.8412.1000

(i) NOTE:

- **Horizon Agent version 7.7 is used to test the features of VMware Horizon Client version 4.10.**

- **Wyse Device Agent (WDA) version 14.3.0.66 is used during the VMware Horizon Client version 4.10 add-on testing. Dell recommends that you upgrade the Wyse Device Agent (WDA) to the latest version before deploying the VMware Horizon Client version 4.10 add-on.**

VMware Horizon Client version 4.9

Release type and definition

This release note provides information about the latest release of VMware Horizon Client v4.9 package on the following operating systems:

- Windows Embedded Standard 7
- Windows Embedded Standard 7P
- Windows 10 IoT Enterprise

The following are the features of VMware Horizon Client v4.9:

- Configuring display scaling for all remote desktops and published applications
- Configuring a keyboard shortcut to switch display settings
- Starting VMware Horizon Client in minimized mode
- RDS host per-device CAL licensing improvements in a Cloud Pod Architecture environment
- Configuring VMware Horizon Client data sharing
- Redirecting serial ports for published desktops and applications
- Client drive redirection improvements
- Installing the 32-bit Skype for business plugin on a 64-bit Windows operating system

The following are the features of VMware Horizon Agent v7.6:

- Logging copy and paste activity
- Redirecting geolocation information to remote desktops and published applications
- HTML5 multimedia redirection improvements

The following are the features of VMware Horizon Connection server v7.6:

- Supports VMware Horizon Client console
- Supports VMware Horizon Cloud Service on Microsoft Azure
- Supports VMware Horizon Cloud Pod architecture
- Supports VMware Horizon Client Administrator
- Supports VMware vSphere 6.5 U2

VMware Horizon Client v4.9 package information

This section provides information about VMware Horizon Client v4.9 package.

Table 31. Package information

Operating system	Details
Windows Embedded Standard 7—WES7	**Filename**—VMwareHorizonClient_4_9_WES7.exe **Minimum requirements** • Package can be installed on Windows Embedded Standard 7 (WES7) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 800 MB. • The build size is 236 MB (248,419,416 bytes).
Windows Embedded Standard 7P—WES7P	**Filename**—VMwareHorizonClient_4_9_WES7P.exe **Minimum requirements** • Package can be installed on Windows Embedded Standard 7P (WES7P) builds.

Operating system	Details
	• System reboots two times during the package deployment. • Minimum free disk space required to install this package is 800 MB. • The build size is 236 MB (248,419, 264 bytes).
Windows 10 IoT Enterprise—WIE10	**Filename**—VMwareHorizonClient_4_9_WIE10.exe **Minimum requirements** • Package can be installed on Windows 10 IoT Enterprise (WIE10) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 800 MB. • The build size is 236 MB (248,419,400 bytes).

Known issues

The following table lists the known issues in this release:

Table 32. Known issues

Defect ID	Summary	Workaround
WS-2248	C-A-D Map functionality does not work when the session is launched with RDP protocol on Windows Embedded Standard 7P clients.	Install KB3075226 as a prerequisite for C-A-D Map functionality to work in VMware for RDP protocol on Windows Embedded Standard 7 and Windows Embedded Standard 7P clients.

Supported platforms

Table 33. Windows Embedded Standard 7

Platform name	Flash	RAM	Windows Embedded Standard 7 builds
Dell Wyse 3030 thin client	16 GB	4 GB	7077
Dell Wyse 7010 thin client—Z90D7	16 GB	4 GB	7064
Dell Wyse 7010 Extended Chassis thin client—Z90DE7	16 GB	4 GB	7064
Dell Wyse 5010 thin client—D90D7	16 GB	4 GB	7064
Dell Wyse 7020 thin client—Z90Q7	16 GB	4 GB	7064
Dell Wyse 5020 thin client—D90Q7	16 GB	4 GB	7064

Table 34. Windows Embedded Standard 7P

Platform name	Flash	RAM	Windows Embedded Standard 7P builds
Dell Wyse 7020 thin client—Z90Q7P	16 GB	4 GB	7066—Asian
Dell Wyse 7020 thin client—Z90Q7P	16 GB	4 GB	7065—European
Dell Wyse 5020 thin client—D90Q7P	16 GB	4 GB	7066—Asian
Dell Wyse 5020 thin client—D90Q7P	16 GB	4 GB	7065—European

Platform name	Flash	RAM	Windows Embedded Standard 7P builds
Dell Wyse 7020 accelerated graphics thin client—Z90QQ7P	16 GB	4 GB	7066—Asian
Dell Wyse 7020 accelerated graphics thin client—Z90QQ7P	16 GB	4 GB	7065—European
Z90D7P	16 GB	4 GB	0896
Dell Wyse 7040 thin client	128 GB SSD\256 GB SED\500 GB HDD	4 GB/8 GB/16 GB	7065
Latitude E7270 mobile thin client	128 GB	8 GB	7065
Latitude 3460 mobile thin client	128 GB	8 GB	7065
Dell Wyse 5060 thin client	64 GB	4 GB	7067

Table 35. Windows 10 IoT Enterprise

Platform name	Flash	RAM	Windows 10 IoT Enterprise builds
Dell Wyse 7020 thin client—Z90Q10	32 GB	4 GB	0A79
Dell Wyse 5020 thin client—D90Q10	32 GB	4 GB	0A79
Dell Wyse 7020 Accelerated Graphics Thin Client—Z90QQ10	32 GB	4 GB	0A79
Dell Wyse 5060 thin client	32 GB	4 GB	0A71
Dell Wyse 7040 thin client	256 GB SED/128GB SSD/ 500HDD	4 GB/8 GB/16 GB	0A79
Latitude 3480 mobile thin client	128GB SSD	8 GB	0A72
Latitude 5280 mobile thin client	128GB SSD	8 GB	0A73
Dell Wyse 5070 thin client Standard	64 GB	8 GB	10.03.06.10.18.00
Dell Wyse 5070 thin client Economy	64 GB	8 GB	10.03.06.10.18.00
Dell Wyse 5070 thin client Extended	128 GB	8 GB	10.03.06.10.18.00
Dell Wyse 5070 thin client Cost Down	32 GB	4 GB	10.03.06.10.18.00

Table 36. Management Servers

Management Server	Version
Wyse Management Suite	1.3
Wyse Device Manager	5.7.3
Microsoft System Center Configuration Manager 2016	Version: 1606 Console version: 5.0.8412.1313 Site version: 5.0.8412.1000

Table 37. VMware Horizon Client versions

Dell thin client application	Control Panel	Advanced Preference
• Installed products—VMware Horizon Client v4.9.0.2862 • WDM Packages—VMware Horizon Client v4.9	Programs and Features—VMware Horizon Client v4.9.0.2862	About—4.9.0 build-9539668

ENERGY STAR compliant

The product meets the ENERGY STAR thin client requirement. The following are the default values displayed in the Control Panel applet of power options for Windows Embedded Standard 7, Windows Embedded Standard 7P, and Windows 10 IoT Enterprise:

- Supports WOL power off states.
- Supports Idle State wake.
- Screen off timer is set to 10 minutes.
- Sleep timer is set to 15 minutes.

System requirements

The following table provides the information about the system requirements to deploy the VMware Horizon Client v4.9 package on thin clients:

Table 38. System requirements

Operating systems	Minimum free space required
Windows Embedded Standard 7	800 MB
Windows Embedded Standard 7P	800 MB
Windows 10 IoT Enterprise	800 MB

VMware Horizon Client version 4.8

Release type and definition

This release note provides information about the latest release of VMware Horizon Client 4.8 package on the following operating systems:

- Windows Embedded Standard 7
- Windows Embedded Standard 7P
- Windows 10 IoT Enterprise

The following are the features of VMware Horizon Client v4.8:

- Optimized VMware Blast protocol performance
- Supports VMware Horizon Performance tracker
- Supports Automatic Internet protocol selection.
- Lists only the smart card certificates
- Generates shortcut icons to access server related features
- Supports serial port redirection for published desktops and applications
- Supports Simple Device Orientation (SDO) sensor redirection
- Supports multiple files in nested mode
- Supports OpenSSL v1.0.2

The following are the features of VMware Horizon Agent v7.5:

- Supports HTML5 Multimedia Redirection for the Microsoft Edge browser
- Supports subdirectories with URL content redirection
- Supports Simple Device Orientation (SDO) Sensor Redirection
- Supports VMware logon monitor instance
- Supports VMware Horizon Performance tracker

The following are the features of VMware Horizon Connection server v7.5:

- Supports VMware Horizon Client console
- Supports instant clones
- Supports Cloud Pod architecture
- Supports VMware Horizon Client Help Desk Tool

VMware Horizon Client 4.8 package information

This section provides information about VMware Horizon Client 4.8 package.

Table 39. Package information

Operating system	Details
Windows Embedded Standard 7—WES7	**Filename**—VMwareHorizonClient_4_8_WES7.exe **Minimum requirements** - Package can be installed on Windows Embedded Standard 7 (WES7) builds. - System reboots two times during the package deployment. - Minimum free disk space required to install this package is 800 MB.
Windows Embedded Standard 7P—WES7P	**Filename**—VMwareHorizonClient_4_8_WES7P.exe **Minimum requirements**

Operating system	Details
	• Package can be installed on Windows Embedded Standard 7P (WES7P) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 800 MB.
Windows 10 IoT Enterprise—WIE10	**Filename**—VMwareHorizonClient_4_8_WIE10.exe **Minimum requirements** • Package can be installed on Windows 10 IoT Enterprise (WIE10) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 800 MB.

Known issues

The following table lists the known issues in this release:

Table 40. Known issues

Defect ID	Summary	Workaround
WS-2102	The mapped drive Z and USB is not getting redirected in the PCOIP VMware Session	To access drive Z in VMware session, go to `Settings >Sharing` add drive Z to be shared for the published desktop and save the settings. This redirects the Z drive.
WS-1829	In VMware Horizon Client, there will be low computer memory and the `VMware Remote MKS` alert dialogue appears after the VMware session is launched.	There is no workaround available.

Supported platforms

Windows Embedded Standard 7

• Dell Wyse 3030 thin client
• Dell Wyse 7010 thin client—Z90D7
• Dell Wyse 7010 Extended Chassis thin client—Z90DE7
• Dell Wyse 5010 thin client—D90D7
• Dell Wyse 7020 thin client—Z90Q7
• Dell Wyse 5020 thin client—D90Q7

Windows Embedded Standard 7P

• Dell Wyse 7020 thin client—Z90Q7P
• Dell Wyse 5020 thin client—D90Q7P
• Dell Wyse 7020 accelerated graphics thin client—Z90QQ7P
• Dell Wyse 5010 thin client—D90D7P
• Z90D7P
• Dell Wyse 7040 thin client
• Latitude E7270 mobile thin client
• Latitude 3460 mobile thin client
• Dell Wyse 5060 thin client

Windows 10 IoT Enterprise

• Dell Wyse 7020 thin client—Z90Q10
• Dell Wyse 5020 thin client—D90Q10
• Dell Wyse 7020 thin client—Z90QQ10

- Dell Wyse 5060 thin client
- Dell Wyse 7040 thin client
- Latitude 3480 mobile thin client
- Latitude 5280 mobile thin client

System requirements

The following table provides the information about the system requirements to deploy the VMware Horizon Client 4.8 package on thin clients:

Table 41. System requirements

Operating systems	Minimum free space required
Windows Embedded Standard 7	800 MB
Windows Embedded Standard 7P	800 MB
Windows 10 IoT Enterprise	800 MB

ENERGY STAR compliant

The product meets the ENERGY STAR version 6.0 thin client requirement. The following are the default values displayed in the Control Panel applet of power options for Windows Embedded Standard 7, Windows Embedded Standard 7P, and Windows 10 IoT Enterprise:

- Supports WOL power off states.
- Supports Idle State wake.
- Screen off timer is set to 10 minutes.
- Sleep timer is set to 15 minutes.

VMware Horizon Client version 4.7

Release type and definition

This release note provides information about the latest release of VMware Horizon Client 4.7 package on the following operating systems:

- Windows Embedded Standard 7
- Windows Embedded Standard 7P
- Windows Embedded 8 Standard
- Windows 10 IoT Enterprise

The following are the new features in this release:

- VMware Blast network recovery enhanced.
- USB devices are connected automatically.
- URL content redirection works with Google Chrome browser.
- High color accuracy with VMware Blast.
- Windows 10 Fall Creator update is supported on operating system build 1709 onwards.
- Session collaboration is supported.
- Blocks multiple horizon client instances.
- Fingerprint scanner redirection is supported.

To install the VMware Horizon Client 4.7 package ensure that you are using:

1. Use Wyse Device Manager v5.7.2 with the latest version of HAgent/WDA installed on your thin client.
2. Use Wyse Management Suite v1.1 with the latest version of Wyse Device Agent installed on your thin client.
3. Use SCCM 2016 with the latest version of configuration Management agent installed on your thin client.

VMware Horizon Client 4.7 package information

This section provides information about VMware Horizon Client 4.7 package.

Table 42. Package information

Operating system	Details
Windows Embedded Standard 7—WES7	**Filename**—`VMwareHorizonClient_4_7_WES7.exe` **Minimum requirements** - Package can be installed on Windows Embedded Standard 7 (WES7) builds. - System reboots two times during the package deployment. - Minimum free disk space required to install this package is 450 MB. - File size is 243 MB. **More information** - Shortcut icon for the VMware Horizon client is created on the Desktop. - Install the `vWorkspace_USB_uninstall.exe` file before installing `VMwareHorizonClient_4_7_WES7.exe` file through Wyse Management Suite v1.1 or manually for Wyse 3030 thin client. Package name: `vWorkspace_USB_uninstall.exe` - Install the package to uninstall vWorkspace USB hub.

Operating system	Details
	• Install the package before installing `VMwareHorizonClient_4_7_WES7.exe` package. • Package can be installed on Windows Embedded Standard 7 (WES7) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 90 MB.
Windows Embedded Standard 7P—WES7P	**Filename**—`VMwareHorizonClient_4_7_WES7P.exe` **Minimum requirements** • Package can be installed on Windows Embedded Standard 7P (WES7P) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 450 MB. • File size is 243 MB. **More information** • Shortcut icon for the VMware Horizon View client is created on the Desktop.
Windows Embedded 8 Standard—WE8S	**Filename**—`VMwareHorizonClient_4_7_WE8S.exe` **Minimum requirements** • Package can be installed on Windows Embedded Standard 8 (WE8S) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 450 MB. • File size is 243 MB. **More information** • Shortcut icon for the VMware Horizon View client is created on the Desktop.
Windows 10 IoT Enterprise—WIE10	**Filename**—`VMwareHorizonClient_4_7_WIE10.exe` **Minimum requirements** • Package can be installed on Windows 10 IoT Enterprise (WIE10) builds. • System reboots two times during the package deployment. • Minimum free disk space required to install this package is 450 MB. • File size is 330 MB. **More information** • Shortcut icon for the VMware Horizon View client is created on the Desktop.

Known issues

The following table lists the known issues in this release:

Table 43. Known issues

Summary	Workaround
The BSOD screen with an error code "0x000000CE" is displayed when you upgrade the VMware add-on version 4.3 to version 4.6.1	Install the `vWorkspace_USB_uninstall.exe` file before you install `VMwareHorizonClient_4_7_WES7.exe`

Summary	Workaround
using VMware 4.6.1 installer through Wyse Device Manager and Wyse Management Suite.	
VMware session is displayed in full screen mode when the full screen option is not enabled in profile configuration.	There is no workaround.
After you deploy VMware profile configuration with Microsoft RDP protocol, VMware session is launched with Microsoft RDP for the first login, and with VMware Blast" for all subsequent logins.	There is no workaround.
After you launch the published application through VMware horizon client 6 processes by name **VMware View HTML5 Video player 64-bit** is created on the thin client	There is no workaround.
While using the published applications on the thin client, the back ground color is black and an yellow bang is displayed on the AMD display adapter drivers.	There is no workaround.
The memory space is low when you start the VMware session.	There is no workaround.
Audio playback is not clear with USB audio devices (USB headset or USB speaker) when redirected to virtual desktop of VMware session.	There is no workaround.
The memory space is low while collecting the support data in VMware session.	There is no workaround.
A black screen is displayed when you play a video inside the VMware session.	There is no workaround.
H.264 is not enabled in logs.	There is no workaround.
On the thin client desktop a folder named **GPUcache** is created after you launch the desktop through VMware horizon client.	There is no workaround.
The following message is displayed when you start the VMware session **Your Computer is on low memory close these programs 'VMware Remote MKS**	There is no workaround.
Observed FBWF low memory issue While working with VMware, FBWF low memory issues is displayed.	There is no workaround.
The VMware icon is not displayed on the remote clients tab in the metro start menu.	There is no workaround.

Tested platforms

This section lists the tested platforms.

Table 44. Windows Embedded Standard 7

Platform	Configuration	Build number
Dell Wyse 3030 thin client—3290	16GB Flash and 4GB RAM	7064
Dell Wyse 7010 thin client—Z90D7	16GB Flash and 4GB RAM	7064
Dell Wyse 7010 Extended Chassis thin client—Z90DE7	16GB Flash and 4GB RAM	7064

Platform	Configuration	Build number
Dell Wyse 5010 thin client—D90D7	16GB Flash and 4GB RAM	7064
Dell Wyse 7020 thin client—Z90Q7	16GB Flash and 4GB RAM	7064
Dell Wyse 5020 thin client—D90Q7	16GB Flash and 4GB RAM	7064

Table 45. Windows Embedded Standard 7P

Platform	Configuration	Build number
Dell Wyse 7020 thin client—Z90Q7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Dell Wyse 7020 thin client—Z90Q7P	16 GB Flash and 4 GB RAM	7065 (European)
Dell Wyse 5020 thin client—D90Q7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Dell Wyse 5020 thin client—D90Q7P	16 GB Flash and 4 GB RAM	7065 (European)
Dell Wyse 7020 accelerated graphics thin client—Z90QQ7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Dell Wyse 7020 accelerated graphics thin client—Z90QQ7P	16 GB Flash and 4 GB RAM	7065 (European)
D90D7P	16 GB Flash and 4 GB RAM	0896
Z90D7P	16 GB Flash and 4 GB RAM	0896
Dell Wyse 7040 thin client	256 GB SED/128 GB SSD/500 HDD and 4 GB/8 GB RAM	7065
Latitude E7270 mobile thin client	128 GB Flash and 8 GB RAM	7065
Latitude 3460 mobile thin client	128 GB Flash and 8 GB RAM	7065
Dell Wyse 5060 thin client	64 GB Flash and 4 GB RAM	7067

Table 46. Windows Embedded 8 Standard

Platform	Configuration	Build number
Dell Wyse 7010 thin client—Z90D8	16 GB Flash and 4 GB RAM	0924
Dell Wyse 5010 thin client—D90D8	16 GB Flash and 4 GB RAM	0924
Dell Wyse 7020 thin client—Z90Q8	16 GB Flash and 4 GB RAM	0924
Dell Wyse 5020 thin client—D90Q8	16 GB Flash and 4 GB RAM	0924

Table 47. Windows 10 IoT Enterprise

Platform	Configuration	Build number
Dell Wyse 7020 thin client—Z90Q10	32 GB Flash and 4 GB RAM	0A62
Dell Wyse 5020 thin client—D90Q10	32 GB Flash and 4 GB RAM	0A62
Dell Wyse 7020 thin client—Z90QQ10	32 GB Flash and 4 GB RAM	0A62
Dell Wyse 5060 thin client	32 GB Flash and 4 GB RAM	0A60

Platform	Configuration	Build number
Dell Wyse 7040 thin client	256 GB SED/128 GB SSD/500 HDD and 4 GB/8 GB RAM	0A62
Latitude 3480 mobile thin client	128 GB SSD and 8 GB RAM	0A63
Latitude 5280 mobile thin client	128 GB SSD and 8 GB RAM	0A64

ENERGY STAR compliant

The product meets the ENERGY STAR version 6.0 thin client requirement. The following are the default values displayed in the Control Panel applet of power options for Windows Embedded Standard 7, Windows Embedded Standard 7P, Windows Embedded 8 Standard, and Windows 10 IoT Enterprise:

- Supports WOL power off states.
- Supports Idle State wake.
- Screen off timer is set to 10 minutes.
- Sleep timer is set to 15 minutes.

System requirements

The following table provides the information about the system requirements to deploy the VMware Horizon Client 4.7 package on thin clients:

Table 48. System requirements

Operating systems	Minimum free space required
Windows Embedded Standard 7	450 MB
Windows Embedded Standard 7P	450 MB
Windows Embedded 8 Standard	450 MB
Windows 10 IoT Enterprise	450 MB

Installing the add-on

Downloading the installation file

1. Go to www.dell.com/support.
2. In the **Enter a Service Tag, Serial Number, Service Request...** field, type the Service Tag or the model number of your device, and press Enter or click the search icon.
3. On the product support page, click **Drivers & downloads**.
4. Select the appropriate operating system.
5. From the list, locate the file entry and click the download icon.

Installation procedure

The VMware Horizon Client can be installed using any of the following methods:

- Wyse Management Suite
- Wyse Device Manager—WDM
- Microsoft System Center Configuration Manager 2016—SCCM

Install the add-on using Wyse Management Suite

This section describes the steps to install the add-on using Wyse Management Suite.

1. Register the device to the Wyse Management Suite server, and add the device to the respective groups.
2. Copy the `.exe` file to the Wyse Management Suite server repository.
3. Log in to Wyse Management Suite.
4. Click **Portal Administration**, and then click **File Repository** under **Console Settings**.
5. Select the **Local Repository** check box.
6. Click **Sync Files**.
   Wait for the synchronization process to complete. The synchronization process copies the package from the repository to **Apps and Data**.
7. Click **Apps and Data**.
   The **Apps and Data** page is displayed.
8. Verify the copied package in the applications list.
9. To create a group in the Wyse Management Suite server, click **Groups & Configs**.
   The **Groups & Configs** page is displayed.
10. Click the **Plus sign (+)** button and enter the required details to register your client in the same group.
11. Click **Apps and Data**.
    The **Apps and Data** page is displayed.
12. Click **Thin Clients** under **App Policies**.
13. Click **Add Policy** to add the policy to the required group.
14. Update the required fields and click **Save**.

    (i) **NOTE: For the `.exe` file installation, the silent installation parameter is `--silent`. For repair, the silent parameter is `--silent --repair`, and for uninstallation, the silent parameter is `--silent --uninstall`**

15. Click **Yes** to schedule the job immediately.
16. Go to the **App Policy** job, and enter the description.
17. From the **Run** drop-down menu, select **Immediately**.
18. Click **Preview** and then click **Schedule**.
    The package deployment takes a few minutes to complete.

> (i) **NOTE:**
> - **The lock screen is displayed during the package installation process on all the thin clients.**
> - **System reboots two times during the package deployment.**

Install the add-on using Wyse Device Manager

This section describes the steps to install the add-on using Wyse Device Manager.

1. Copy the respective `.exe` file to the WDM server.
2. Launch Wyse Device Manager and login using valid credentials.
3. Click **Applications** in the Dell Wyse Device Manager dashboard page.
   The options **Images**, **Other Packages**, **Agent Update**, **Device Configuration**, and **PCoIP Device Configuration** are displayed.
4. Select **Other Packages**.
5. Click **Create Package Plus (+)**.
   The application prompts to download the Package Register utility.
6. Click **Allow**.
   The **Create Package** window is displayed.
7. Download the `.exe` file on your local repository.
8. Navigate to the folder, and run the **Package Register** utility file.
   The **WDM Package Registration Utility** window is displayed.
9. Enter WDM server address and user credentials in the respective fields.
10. Select **EXE** to register, and click **Browse**.
    The **WDM Package Uploader** window is displayed with the progress status bar.
11. Click **Open**.
    The list of selected packages is displayed.
12. Select the appropriate operating system package and provide the command line parameter as `--silent` for installation. For repair, provide the command line parameter as `--silent --repair`, and for uninstallation provide the command line parameter as `--silent --uninstall`.
13. Click **Upload**.
    The status is displayed as **Success**, and the package is displayed under **Other Packages**.
14. Go to **Devices** and select the target client.
15. Click **Update**.
16. Go to **Select Package** > **Other Package**, and select the add-on package.
17. Click **Save**.
    A pop-up is displayed on the target device.
18. Click **Update Now** on the target device.
    `C:\Temp` folder is created. You must edit the `.rsp` script manually to delete the temp folder using the command `DT C:\Temp`.
    > (i) **NOTE:**
    > - **The lock screen is not displayed during the package installation process on all the thin clients.**
    > - **System reboots two times during the package deployment.**

Install the add-on using System Center Configuration Manager 2016/2019—SCCM

Prerequisites:

1. Disable the write filter.
2. Add the thin client to the SCCM server domain and restart.
3. Log in to the thin client with valid SCCM domain credentials.
4. Change the time zone and time (HH:MM:SS) according to the SCCM server.
5. Go to **Control Panel** > **Configuration Manager** > **Site** > **Configuration Settings**.
6. In the **Configuration Manager service location** section, enter the site code.
7. In the **Actions** tab, select each action, and click **Run Now**.

A system tray message is displayed, and the new software is available for installation.

Add a device to the new device collection

This section describes the steps to add a thin client to the new device collection list.

1. Go to **Assets and Compliance** > **Device Collections**.
2. In the **Devices** list, right-click a device, and go to **Add Selected Items** > **Add Selected Items to New Device collection**.
3. In the **Device Collections** window, enter the new device collection details, such as name and limiting collection, and click **OK**.
4. In the **Assets and Compliance** section, click **Device Collections**, and verify whether the device is added.

Add a device to the existing device collection

This section describes the steps to add a thin client to the existing device collection list.

1. Go to **Assets and Compliance** > **Device Collections**.
2. In the **Devices** list, right-click a device, and go to **Add Selected Items** > **Add Selected Items to Existing Device collection**.
3. In the **Device Collections** window, select the device collection group to which you need to add the device, and click **OK**.
4. In the **Assets and Compliance** section, click **Device Collections**, and verify whether the device is added.

Package deployment

After the thin client is added to the device collection list, use any of the following methods to deploy the add-on:

- Create and distribute a package.
- Create and deploy a task sequence.

Create and distribute a package

This section describes the steps to create and distribute a package.

1. Copy the `.exe or .msi` file to a shared folder.
2. Expand **Software Library** > **Overview** > **Application management** > **Packages**.
3. Right-click **Packages**, and click **Create Package**.
4. Enter the package name, description, manufacturer name, language, and version.
5. Click **Next**.
6. Browse to the source folder where you have copied the add-on files.
7. Click **Next**.
   The newly created packages are listed in the **Application Management** under **Package**.
8. Select the **Standard Program** option as the program type.
   The Standard Program page is displayed.
9. Enter the required details, and click **Browse** to go to the file location.
10. Select the `.exe` or `.msi` file, and enter `--silent` or `/qn` for silent installation, `--silent --repair` for repair, and `--silent --uninstall` for uninstallation.
11. Click **Next**.
12. Click **Next** until the window with the **Close** button is displayed.
13. Click **Close**.
14. Select the package, right-click, and click Distribute Content .
15. From the **Add** drop-down list, select **Distribution Point**.
16. Select an option to schedule job at a specified time, and click **Next**.
17. Verify the information that you have provided on the summary page, and click **Next**.
18. Click **Close**.
19. Right-click on the created package, and click **Deploy**.
20. Click **Collection**, and browse to the device collection list.
21. Select the device, and click **Next**.

22. From the **Add** drop-down list, select **Distribution Point**.
23. Select the available distribution points, and click **OK**.
24. Click **Next** to complete the deployment process.
25. Click **Close**.
    The content status is displayed in green. It may take a few minutes to complete the distribution process.

Create and deploy a task sequence

This section describes the steps to create and deploy a task sequence.

1. Copy the `.exe` file to a shared folder.
2. Expand **Software Library** > **Overview** > **Operating System**.
3. Right-click **Task Sequence**, and click **Create Task Sequence**.
4. In the New Task Sequence wizard, select **Create Custom Task Sequence**, and click **Next**.
5. Click **Close**.
6. Right-click the created task sequence, and click **Edit**.
7. From the **Add** drop-down list, go to **Software** > **Install Package**.
8. Select the created package, and click **Apply**.
9. Click **OK**.
10. Go to **Start** > **All Programs** > **Microsoft System Center** > **Configuration Manager Console**.
    The System Center Configuration Manger window is displayed.
11. Click **Software Library**.
12. Right-click the created the task sequence and deploy it to the required device collection.

(i) **NOTE: After you deploy the add-on using the package deployment method or through task sequence, enable the write filter.**

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1.15 "Third Party Agent" means a third party delivering information technology services to You pursuant to a written contract with You.

1.16 "Virtual Machine" means a software container that can run its own operating system and execute applications like a physical machine.

1.17 "VMware" means VMware, Inc., a Delaware corporation, if You are purchasing Licenses or services for use in the United States and VMware International Limited, a company organized and existing under the laws of Ireland, for all other purchases.

1.18 "VMware Tools" means the suite of utilities and drivers, Licensed by VMware under the "VMware Tools" name, that can be installed in a Guest Operating System to enhance the performance and functionality of a Guest Operating System when running in a Virtual Machine.

2. LICENSE GRANT.

2.1 General License Grant. VMware grants to You a non-exclusive, non-transferable (except as set forth in Section 12.1 (Transfers; Assignment) license to use the Software and the Documentation during the period of the license and within the Territory, solely for Your internal business operations, and subject to the provisions of the Product Guide. Unless otherwise indicated in the Order, licenses granted to You will be perpetual, will be for use of object code only, and will commence on either delivery of the physical media or the date You are notified of availability for electronic download.

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2.5 VMware Tools. You may distribute the VMware Tools to third parties solely when installed in a Guest Operating System within a Virtual Machine. You are liable for compliance by those third parties with the terms and conditions of this EULA.

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3.4 Guest Operating Systems. Certain Software allows Guest Operating Systems and application programs to run on a computer system. You acknowledge that You are responsible for obtaining and complying with any licenses necessary to operate any such third-party software.

4. ORDER. Your Order is subject to this EULA. No Orders are binding on VMware until accepted by VMware. Orders for Software are deemed to be accepted upon VMware's delivery of the Software included in such Order. Orders issued to VMware do not have to be signed to be valid and enforceable.

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8.1 Defense and Indemnification. Subject to the remainder of this Section 8 (Intellectual Property Indemnification), VMware shall defend You against any third party claim that the Software infringes any patent, trademark or copyright of such third party, or misappropriates a trade secret (but only to the extent that the misappropriation is not a result of Your actions) under the laws of: (a) the United States and Canada; (b) the European Economic Area; (c) Australia; (d) New Zealand; (e) Japan; or (f) the People's Republic of China, to the extent that such countries are part of the Territory for the License ("Infringement Claim") and indemnify You from the resulting costs and damages finally awarded against You to such third party by a court of competent jurisdiction or agreed to in settlement. The foregoing obligations are applicable only if You: (i) promptly notify VMware in writing of the Infringement Claim; (ii) allow VMware sole control over the defense for the claim and any settlement negotiations; and (iii) reasonably cooperate in response to VMware requests for assistance. You may not settle or compromise any Infringement Claim without the prior written consent of VMware.

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9.2 Further Limitations. VMware's licensors shall have no liability of any kind under this EULA and VMware's liability with respect to any third party software embedded in the Software shall be subject to Section 9.1 (Limitation of Liability). You may not bring a claim under this EULA more than eighteen (18) months after the cause of action arises.

10. TERMINATION.

10.1 EULA Term. The term of this EULA begins on the notice of availability for electronic download or delivery of the Software and continues until this EULA is terminated in accordance with this Section 10.

10.2 Termination for Breach. VMware may terminate this EULA effective immediately upon written notice to You if: (a) You fail to pay any portion of the fees under an applicable Order within ten (10) days after receiving written notice from VMware that payment is past due; or (b) You breach any other provision of this EULA and fail to cure within thirty (30) days after receipt of VMware's written notice thereof.

10.3 Termination for Insolvency. VMware may terminate this EULA effective immediately upon written notice to You if You: (a) terminate or suspend your business; (b) become insolvent, admit in writing Your inability to pay Your debts as they mature, make an assignment for the benefit of creditors; or become subject to control of a trustee, receiver or similar authority; or (c) become subject to any bankruptcy or insolvency proceeding.

10.4 Effect of Termination. Upon VMware's termination of this EULA: (a) all Licensed rights to all Software granted to You under this EULA will immediately cease; and (b) You must cease all use of all Software, and return or certify destruction of all Software and License Keys (including copies) to VMware, and return, or if requested by VMware, destroy, any related VMware Confidential Information in Your possession or control and certify in writing to VMware that You have fully complied with these requirements. Any provision will survive any termination or expiration if by its nature and context it is intended to survive, including Sections 1 (Definitions), 2.6 (Open Source Software), 3 (Restrictions; Ownership), 5 (Records and Audit), 7.2 (Software Disclaimer of Warranty), 9 (Limitation of Liability), 10 (Termination), 11 (Confidential Information) and 12 (General).

11. CONFIDENTIAL INFORMATION.

11.1 Definition. "Confidential Information" means information or materials provided by one party (" Discloser") to the other party ("Recipient") which are in tangible form and labelled "confidential" or the like, or, information which a reasonable person knew or should have known to be confidential. The following information shall be considered Confidential Information whether or not marked or identified as such: (a) License Keys; (b) information regarding VMware's pricing, product roadmaps or strategic marketing plans; and (c) non-public materials relating to the Software.

11.2 Protection. Recipient may use Confidential Information of Discloser; (a) to exercise its rights and perform its obligations under this EULA; or (b) in connection with the parties' ongoing business relationship. Recipient will not use any Confidential Information of Discloser for any purpose not expressly permitted by this EULA, and will disclose the Confidential Information of Discloser only to the employees or contractors of Recipient who have a need to know such Confidential Information for purposes of this EULA and who are under a duty of confidentiality no less restrictive than Recipient's duty hereunder. Recipient will protect Confidential Information from unauthorized use, access, or disclosure in the same manner as Recipient protects its own confidential or proprietary information of a similar nature but with no less than reasonable care.

11.3 Exceptions. Recipient's obligations under Section 11.2 (Protection) with respect to any Confidential Information will terminate if Recipient can show by written records that such information: (a) was already known to Recipient at the time of disclosure by Discloser; (b) was disclosed to Recipient by a third party who had the right to make such disclosure without any confidentiality restrictions; (c) is, or through no fault of Recipient has become, generally available to the public; or (d) was independently developed by Recipient without access to, or use of, Discloser's Information. In addition, Recipient will be allowed to disclose Confidential Information to the extent that such disclosure is required by law or by the order of a court of similar judicial or administrative body, provided that Recipient notifies Discloser of such required disclosure promptly and in writing and cooperates with Discloser, at Discloser's request and expense, in any lawful action to contest or limit the scope of such required disclosure.

11.4 Data Privacy. You agree that VMware may process technical and related information about Your use of the Software which may include internet protocol address, hardware identification, operating system, application software, peripheral hardware, and non-personally

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12. GENERAL.

12.1 Transfers; Assignment. Except to the extent transfer may not legally be restricted or as permitted by VMware's transfer and assignment policies, in all cases following the process set forth at www.vmware.com/support/policies/licensingpolicies.html, You will not assign this EULA, any Order, or any right or obligation herein or delegate any performance without VMware's prior written consent, which consent will not be unreasonably withheld. Any other attempted assignment or transfer by You will be void. VMware may use its Affiliates or other sufficiently qualified subcontractors to provide services to You, provided that VMware remains responsible to You for the performance of the services.

12.2 Notices. Any notice delivered by VMware to You under this EULA will be delivered via mail, email or fax.

12.3 Waiver. Failure to enforce a provision of this EULA will not constitute a waiver.

12.4 Severability. If any part of this EULA is held unenforceable, the validity of all remaining parts will not be affected.

12.5 Compliance with Laws; Export Control; Government Regulations. Each party shall comply with all laws applicable to the actions contemplated by this EULA. You acknowledge that the Software is of United States origin, is provided subject to the U.S. Export Administration Regulations, may be subject to the export control laws of the applicable territory, and that diversion contrary to applicable export control laws is prohibited. You represent that (1) you are not, and are not acting on behalf of, (a) any person who is a citizen, national, or resident of, or who is controlled by the government of any country to which the United States has prohibited export transactions; or (b) any person or entity listed on the U.S. Treasury Department list of Specially Designated Nationals and Blocked Persons, or the U.S. Commerce Department Denied Persons List or Entity List; and (2) you will not permit the Software to be used for, any purposes prohibited by law, including, any prohibited development, design, manufacture or production of missiles or nuclear, chemical or biological weapons. The Software and accompanying documentation are deemed to be "commercial computer software" and "commercial computer software documentation", respectively, pursuant to DFARS Section 227.7202 and FAR Section 12.212(b), as applicable. Any use, modification, reproduction, release, performing, displaying or disclosing of the Software and documentation by or for the U.S. Government shall be governed solely by the terms and conditions of this EULA.

12.6 Construction. The headings of sections of this EULA are for convenience and are not to be used in interpreting this EULA. As used in this EULA, the word 'including' means "including but not limited to".

12.7 Governing Law. This EULA is governed by the laws of the State of California, United States of America (excluding its conflict of law rules), and the federal laws of the United States. To the extent permitted by law, the state and federal courts located in Santa Clara County, California will be the exclusive jurisdiction for disputes arising out of or in connection with this EULA. The U.N. Convention on Contracts for the International Sale of Goods does not apply.

12.8 Third Party Rights. Other than as expressly set out in this EULA, this EULA does not create any rights for any person who is not a party to it, and no person who is not a party to this EULA may enforce any of its terms or rely on any exclusion or limitation contained in it.

12.9 Order of Precedence. In the event of conflict or inconsistency among the Product Guide, this EULA and the Order, the following order of precedence shall apply: (a) the Product Guide, (b) this EULA and (c) the Order. With respect to any inconsistency between this EULA and an Order, the terms of this EULA shall supersede and control over any conflicting or additional terms and conditions of any Order, acknowledgement or confirmation or other document issued by You.

12.10 Entire Agreement. This EULA, including accepted Orders and any amendments hereto, and the Product Guide contain the entire agreement of the parties with respect to the subject matter of this EULA and supersede all previous or contemporaneous communications, representations, proposals, commitments, understandings and agreements, whether written or oral, between the parties regarding the subject matter hereof. This EULA may be amended only in writing signed by authorized representatives of both parties.

12.11 Contact Information. Please direct legal notices or other correspondence to VMware, Inc., 3401 Hillview Avenue, Palo Alto, California 94304, United States of America, Attention: Legal Department.

Resources and support

Accessing documents using the product search

1. Go to www.dell.com/support.
2. In the **Enter a Service Tag, Serial Number, Service Request, Model, or Keyword** search box, type the product name. For example, `Wyse 3040 thin client` or `Wyse ThinOS`.

   A list of matching products is displayed.
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3. Click **Thin Clients**.
4. Click the desired category, either **Wyse Hardware** or **Wyse Software**.
5. Click the desired product.
6. Click **Manuals & documents**.

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Contacting Dell

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If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or the product catalog.