Citrix Receiver for Windows Embedded Operating System

Release Notes

Notes, cautions, and warnings

ⓘ | **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.**

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Contents

Overview

Citrix Receiver is a server-based computing technology that separates the logic of an application from its user interface. The Citrix Receiver client software that is installed on the thin client device enables you to interact with the application GUI, while all the application processes run on the server.

Version matrix

The following table summarizes the Citrix Receiver versions that are supported by Wyse thin clients:

Table 1. Citrix Receiver versions

Citrix Receiver version	Release date	Release notes
Citrix Receiver Standard 4.12.0	September 2018	Citrix Receiver Standard 4.12.0
Citrix Receiver Standard 4.11.0	May 2018	Citrix Receiver Standard 4.11.0
Citrix Receiver Standard 4.10.1	February 2018	Citrix Receiver Standard 4.10.1
Citrix Receiver Standard 4.9.0	August 2017	Citrix Receiver Standard 4.9.0
Citrix Receiver Standard 4.8.0	May 2017	Citrix Receiver Standard 4.8.0

Citrix Receiver Standard 4.12.0

Priority and recommendations

Recommended: Dell recommends applying 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).

New features

The following are the new features for Citrix Receiver Standard 4.12.0:

- Crypto kit update—DTLS version 1.2 is supported, and TLS/DTLS cipher suites are deprecated as the cipher suites do not offer forward secrecy.
- Battery icon notification—Battery icon in the host notification area displays battery information.
- Fast smart card—Improved performance in high-latency WAN scenarios. Fast smart card is enabled by default on the hosts that are running Windows Server 2012, Window Server 2016, or Windows 10.
- Webcam plug and play—Webcam is dynamically detected by applications. You do not have to restart the applications.

The following are the new features for Virtual Desktop Agents 7.18:

- Webcam names are displayed instead of Citrix HDX Webcam which is generic.
- Multiple webcams and high definition resolution are supported.
- By default, the visual quality policy setting is now H.264 instead of JPEG for moving images. The H.264 encoding offers superior image quality.
- Progressive update mode is introduced to help improve screen interactivity in poor network scenarios. During low bandwidth (< 2 Mbps) or high latency (> 200 microsecond) conditions, images are compressed and text quality is reduced.

Package details

Package name: **CitrixReceiverStd_4_12_WIE10.exe**

- This package installs Citrix Receiver Standard 4.12.0 on Windows 10 IoT Enterprise.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 250 MB.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop for Flash Redirection.
- The build size of the package is 76,811,568 bytes.

Package name: **CitrixReceiverStd_4_12_WES7P.exe**

- This package installs Citrix Receiver Standard 4.12.0 on Windows Embedded Standard 7P builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 250 MB.
- The build size of the package is 76,811,680 bytes.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_12_WES7.exe**

- This package installs Citrix Receiver Standard 4.12.0 on Windows Embedded Standard 7 builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 250 MB.
- The build size of the package is 76,815,592 bytes.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop (Formerly Citrix XendDesktop) for Flash Redirection.

Package name: **Citrix_HDX_RTME_2.5.exe**

- This package installs HDX RTME 2.5 on Windows 10 IoT Enterprise, Windows Embedded Standard 7 Professional, and Windows Embedded Standard 7 Enterprise builds.
- This package must be pushed before you install Citrix Receiver add-on.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.

Package name: **Sfc_Scan.exe**

- This package is only for SFC scan.
- This package must be installed on the following platforms before you install, upgrade or uninstall HDX RTME 2.5 on Windows Embedded Standard 7P builds.

Table 2. Platforms

Operating system	Platform	Build number
Windows Embedded Standard 7P	Wyse 5060 thin client	7067
Windows Embedded Standard 7P	– Wyse 7020 thin client – Wyse 5020 thin client – Wyse 7020 Accelerated Graphics thin client	7065 and 7066

- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 30 MB.

Known issues

Table 3. Known issues

Issue ID	Issue Description	Workaround
WS-2222	Occasionally the Citrix desktop cannot be launched after disconnecting the desktop from the domain.	There is no workaround.
WS-1996	Occasionally **CD Viewer has stopped working** error message is displayed when you start multiple sessions and applications after you install Citrix Receiver 4.12 and Citrix HDX RTME 2.5 on Windows Embedded Standard 7P operating system.	Reinstall Citrix HDX RTME 2.5.
WS-1321	**Your computer is low on memory** error message is displayed when YouTube videos are played and multiple sessions are launched.	Install Overlay Optimizer to resolve the issue for Windows 10 IoT Enterprise. However, there is no workaround for Windows Embedded Standard 7P and Windows Embedded Standard 7 platforms.

Issue ID	Issue Description	Workaround
WS-2218	CAD map key functionality does not redirect **Ctrl+F1** to **Ctrl+Alt+Del** in XD session when Desktop Viewer is enabled in Citrix server.	For the CAD Map redirection (Ctrl+F1 to redirect Ctrl+Alt+Del) in Citrix VDA session follow these steps: 1 Disable Desktop Viewer in Citrix Virtual Apps and Desktop server that is based on the article CTX209468 2 Provide https://CitrixBrokerServerFQDN/citrix/teststore/PNAgent/config.xml instead of broker FQDN in Citrix Receiver window.

Supported platforms

The following tables provide details about the tested platforms, with the configuration and builds for Citrix Receiver Standard 4.12.0.

Table 4. Windows 10 IoT Enterprise

Platform	Flash	RAM	Build number
Wyse 7020 thin client with Win10 IoT	32 GB	4 GB	0A79
Wyse 5020 thin client with Win10 IoT	32 GB	4 GB	0A79
Wyse 7020 accelerated graphics thin client with Win10 IoT	32 GB	4 GB	0A79
Wyse 5060 thin client with Win10 IoT	32 GB	4 GB	0A71
Wyse 7040 thin client with Win10 IoT	128 SSD/256 GB SED/500 HDD	4 GB/8 GB RAM	0A79
Latitude 3480 mobile thin client with Win10 IoT	128 GB SSD	8 GB	0A72
Latitude 5280 mobile thin client with Win10 IoT	128 GB SSD	8 GB	0A73
Wyse 5070 thin client Standard	64 GB	8 GB	10.03.06.05.18.01
Wyse 5070 thin client Economy	64 GB	8 GB	10.03.06.05.18.01
Wyse 5070 thin client Extended	128 GB	8 GB	10.03.06.05.18.01
Wyse 5070 thin client Cost Down	32 GB	4 GB	10.03.06.05.18.01

Table 5. Windows Embedded Standard 7P

Platform	Flash	RAM	Build number
Wyse 7020 thin client with WES7P	16 GB	4 GB	7066 (Asian)
Wyse 7020 thin client with WES7P	16 GB	4 GB	7065 (European)
Wyse 5020 thin client with WES7P	16 GB	4 GB	7066 (Asian)
Wyse 5020 thin client with WES7P	16 GB	4 GB	7065 (European)
Wyse 7020 accelerated graphics thin client with WES7P	16 GB	4 GB	7066 (Asian)
Wyse 7020 accelerated graphics thin client with WES7P	16 GB	4 GB	7065 (European)
Z90D7P	16 GB	4 GB	0896
Wyse 7040 thin client with WES7P	128 SSD/256 GB SED/500 HDD	4 GB/8 GB	7065
Latitude E7270 mobile thin client with WES7P	128 GB	8 GB	7065
Latitude 3460 mobile thin client with WES7P	128 GB	8 GB	7065
Wyse 5060 thin client with WES7P	32 GB	4 GB	7067

Table 6. Windows Embedded Standard 7

Platform	Flash	RAM	Build number
Wyse 3030 thin client	16 GB	4 GB	7077
Wyse 7010 thin client with WES7	16 GB	4 GB	7064
Wyse 7010 Extended Chassis thin client with WES7	16 GB	4 GB	7064
Wyse 5010 thin client with WES7	16 GB	4 GB	7064
Wyse 7020 thin client with WES7	16 GB	4 GB	7064
Wyse 5020 thin client with WES7	16 GB	4 GB	7064

Table 7. Management server details

Server	Version
Wyse Device Manager	5.7.3
Wyse Management Suite	1.2
SCCM	2016 Microsoft System Center Configuration Manager Version 1606 Console Version: 5.0.8412.1313 Site version: 5.0.8412.1000

Citrix Receiver Standard 4.11.0

Priority and recommendations

Recommended: Dell recommends applying 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).

New features

The following are the new features for Citrix Receiver Standard 4.11.0:

- Show or hide the remote language bar feature is supported.
- Visual Studio 2017 is supported.
- Xen Desktop version 7.17 is supported which provides lossless compression codec (MDRLE). It also supports local launch of the application in a double-hop scenario using VPrefer and browser content redirection.

Package details

Package name: **CitrixReceiverStd_4_11_WES7.exe**

- This package installs Citrix Receiver Standard 4.11.0 on Windows Embedded Standard 7 builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 250 MB.
- The build size of the package is 74,164,480 bytes.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_11_WES7P.exe**

- This package installs Citrix Receiver Standard 4.11.0 on Windows Embedded Standard 7P builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 250 MB.
- The build size of the package is 74,419,768 bytes.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_11_WE8S.exe**

- This package installs Citrix Receiver Standard 4.11.0 on Windows Embedded 8 Standard builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 250 MB.
- The build size of the package is 74,420,976 bytes.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_11_WIE10.exe**

- This package installs Citrix Receiver Standard 4.11.0 on Windows 10 IoT Enterprise.
- The system restarts twice during the installation.

- Minimum free disk space required to install this package is 250 MB.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.
- The build size of the package is 74,419,704 bytes.

Package name: **Citrix_HDX_RTME_2.4.exe**

- This package installs HDX RTME 2.4 on Windows Embedded Standard 7 Enterprise, Windows Embedded Standard 7 Professional, Windows Embedded 8 Standard, and Windows 10 IoT Enterprise builds.
- This package must be pushed before you install Citrix Receiver add-on.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.

Package name: **Sfc_Scan.exe**

- This package is only for SFC scan.
- This package must be installed on the following platforms before you install, upgrade or uninstall HDX RTME 2.4 on Windows Embedded Standard 7P builds.

Table 8. Platforms

Operating system	Platform	Build number
Windows Embedded Standard 7P	Wyse 5060 thin client	7067
Windows Embedded Standard 7P	– Wyse 7020 thin client – Wyse 5020 thin client – Wyse 7020 Accelerated Graphics thin client	7065 and 7066

- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 30 MB.

Known issues

The following are the known issues in this release:

Table 9. Known issues

Issue Description	Workaround
Occasionally **CD Viewer has stopped working** error message is displayed when you start multiple sessions and applications after you install Citrix Receiver 4.11 and HDX RTME 2.4 on Windows Embedded Standard 7P operating system.	You must reinstall HDX RTME version 2.4.
Occasionally **Citrix Connection Center is not responding** error message is observed when you start multiple sessions and Citrix Connection Center after you install Citrix Receiver 4.11 on Windows 10 IoT Enterprise operating system.	There is no workaround.
System Run time error **COM exception (0x80004005)** is observed when you start ICA session after you install HDX RTME 2.4 and Citrix 4.11 using Wyse Device Manager on Windows Embedded Standard 7 and Windows Embedded Standard 7P operating system.	You must reinstall HDX RTME version 2.4.
This version of Citrix Receiver does not support selected encryption. Please contact your administrator error message is displayed when you start the Citrix session after upgrade Citrix	You must reinstall HDX RTME version 2.4.

Issue Description	Workaround
Receiver from version 4.6 to 4.11 on Windows Embedded Standard 7P operating system.	
You cannot start Citrix published desktops on Windows Embedded Standard 7 and Windows Embedded Standard 7P operating system.	You must reinstall HDX RTME version 2.4.

Test environment

The following tables provide details about the tested platforms, with the configuration and builds for Citrix Receiver Standard 4.11.0.

Table 10. Windows Embedded Standard 7

Platform	Memory configuration	Build number
Wyse 3030 thin client	16 GB Flash and 4 GB RAM	7077
Wyse 7010 thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 7010 Extended Chassis thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 5010 thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 7020 thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 5020 thin client with WES7	16 GB Flash and 4 GB RAM	7064

Table 11. Windows Embedded Standard 7P

Platform	Memory configuration	Build number
Wyse 7020 thin client with WES7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Wyse 7020 thin client with WES7P	16 GB Flash and 4 GB RAM	7065 (European)
Wyse 5020 thin client with WES7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Wyse 5020 thin client with WES7P	16 GB Flash and 4 GB RAM	7065 (European)
Wyse 7020 accelerated graphics thin client with WES7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Wyse 7020 accelerated graphics thin client with WES7P	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
Wyse 7040 thin client with WES7P	256 GB SED/128 SSD/500 HDD and 4 GB/8 GB RAM/16 GB RAM	7065
Latitude E7270 mobile thin client with WES7P	128 GB Flash and 8 GB RAM	7065
Latitude 3460 mobile thin client with WES7P	128 GB Flash and 8 GB RAM	7065
Wyse 5060 thin client with WES7P	64 GB Flash and 4 GB RAM	7067

Table 12. Windows Embedded 8 Standard

Platform	Memory configuration	Build number
Wyse 7010 thin client with WE8S	32 GB Flash and 4 GB RAM	0930
Wyse 5010 thin client with WE8S	32 GB Flash and 4 GB RAM	0930
Wyse 7020 thin client with WE8S	32 GB Flash and 4 GB RAM	0930
Wyse 5020 thin client with WE8S	32 GB Flash and 4 GB RAM	0930

Table 13. Windows 10 IoT Enterprise

Platform	Memory configuration	Build number
Wyse 7020 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A62
Wyse 5020 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A62
Wyse 7020 accelerated graphics thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A62
Wyse 5060 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A60
Wyse 7040 thin client with Win10 IoT	256 GB SED/128 SSD/500 HDD and 4 GB/8 GB RAM/16 GB RAM	0A62
Latitude 3480 mobile thin client with Win10 IoT	128 GB SSD and 8 GB RAM	0A63
Latitude 5280 mobile thin client with Win10 IoT	128 GB SSD and 8 GB RAM	0A64

Citrix Receiver Standard 4.10.1

Priority and recommendations

Recommended: Dell recommends applying 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).

New features

The following are the new features in this release:

- Improved DPI Support (configuring DPI scaling)
- Support for use of H.265 video encoding mode
- Enhancement to adaptive transport
- Option to hide the advance preferences sheet and its contents
- Improved self-service plugging performance

Package details

Package name: **CitrixReceiverStd_4_10_1_WES7.exe**

- This package installs Citrix Receiver Standard 4.10.1 on Windows Embedded Standard 7 builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- The build size of the package is 46,228,096 bytes.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.
- Citrix Receiver Connector opens in lock mode for 10 seconds.

Package name: **CitrixReceiverStd_4_10_1_WES7P.exe**

- This package installs Citrix Receiver Standard 4.10.1 on Windows Embedded Standard 7P builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- The build size of the package is 46,228,416 bytes.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_10_1_WE8S.exe**

- This package installs Citrix Receiver Standard 4.10.1 on Windows Embedded 8 Standard builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- The build size of the package is 46,229,088 bytes.
- USB redirection works for all users of the thin client with all published XenDesktops. This feature is independent of the **Simplify device connections for me** settings in the XenDesktop connection preferences UI.
- During WDM package deployment, the Citrix Receiver uninstallation status is displayed in the foreground of the lock screen for 1-2 seconds.

- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_10_1_WIE10.exe**

- This package installs Citrix Receiver Standard 4.10.1 on Windows 10 IoT Enterprise.
- The system restarts twice during the installation.
- USB redirection works for all users of the thin client with all published XenDesktops. This feature is independent of the **Simplify device connections for me** settings in the XenDesktop connection preferences UI.
- During WDM package deployment, the Citrix Receiver uninstallation status is displayed in the foreground of the lock screen for 1-2 seconds.
- Citrix Receiver Connector opens in lock mode for 10 seconds.
- Adobe Flash version must be same on the local client and XenDesktop for Flash Redirection.
- The build size of the package is 46,227,896 bytes.

Package name: **Citrix_HDX_RTME_2_4.exe**

- This package installs HDX RTME 2.4 on Windows Embedded Standard 7 Enterprise, Windows Embedded Standard 7 Professional, Windows Embedded 8 Standard, and Windows 10 IoT Enterprise builds.
- This package must be pushed after the installation of Citrix Receiver add-on.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- The build size of the package is 47,683,600 bytes.

Package name: **Sfc_Scan.exe**

- This package is only for SFC scan.
- This package must be installed before HDX RTME 2.4 on Windows Embedded Standard 7P builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 30 MB.

Known issues

The following are the known issues in this release:

Table 14. Known issues

Issue Description	Workaround
Citrix published desktops are not launching in Windows Embedded Standard 7E builds.	Push Citrix_HDX_RTME_2_4.exe after installing Citrix Receiver Standard 4.10.1.
You cannot open the Start menu using mouse after WDM is pushed on Windows 10 IoT Enterprise operating system	None
The Citrix HDX player cannot be uninstalled.	Push the **Sfc_Scan.exe** add-on from Management solutions for Windows Embedded Standard 7P operating system.
Citrix 4.10.1 cannot be reinstalled after manually uninstalling Citrix_4.10.1 at the client side.	None

Test environment

The following tables provide details about the tested platforms, with the configuration and builds for Citrix Receiver Standard 4.10.1.

Table 15. Windows Embedded Standard 7

Platform	Memory configuration	Build number
Wyse 3030 thin client	16 GB Flash and 4 GB RAM	7064
Wyse 7010 thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 7010 Extended Chassis thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 5010 thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 7020 thin client with WES7	16 GB Flash and 4 GB RAM	7064
Wyse 5020 thin client with WES7	16 GB Flash and 4 GB RAM	7064

Table 16. Windows Embedded Standard 7P

Platform	Memory configuration	Build number
Wyse 7020 thin client with WES7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Wyse 7020 thin client with WES7P	16 GB Flash and 4 GB RAM	7065 (European)
Wyse 5020 thin client with WES7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Wyse 5020 thin client with WES7P	16 GB Flash and 4 GB RAM	7065 (European)
Wyse 7020 accelerated graphics thin client with WES7P	16 GB Flash and 4 GB RAM	7066 (Asian)
Wyse 7020 accelerated graphics thin client with WES7P	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
Wyse 7040 thin client with WES7P	256 GB SED/128 SSD/500 HDD and 4 GB/8 GB RAM	7065
Latitude E7270 mobile thin client with WES7P	128 GB Flash and 8 GB RAM	7065
Latitude 3460 mobile thin client with WES7P	128 GB Flash and 8 GB RAM	7065
Wyse 5060 thin client with WES7P	64 GB Flash and 4 GB RAM	7067

Table 17. Windows Embedded 8 Standard

Platform	Memory configuration	Build number
Wyse 7010 thin client with WE8S	32 GB Flash and 4 GB RAM	0930
Wyse 5010 thin client with WE8S	32 GB Flash and 4 GB RAM	0930
Wyse 7020 thin client with WE8S	32 GB Flash and 4 GB RAM	0930

Platform	Memory configuration	Build number
Wyse 5020 thin client with WE8S	32 GB Flash and 4 GB RAM	0930

Table 18. Windows 10 IoT Enterprise

Platform	Memory configuration	Build number
Wyse 7020 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A62
Wyse 5020 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A62
Wyse 7020 accelerated graphics thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A62
Wyse 5060 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A60
Wyse 7040 thin client with Win10 IoT	256 GB SED/128 SSD/500 HDD and 4 GB/8 GB RAM	0A62
Latitude 3480 mobile thin client with Win10 IoT	128 GB SSD and 8 GB RAM	0A63
Latitude 5280 mobile thin client with Win10 IoT	128 GB SSD and 8 GB RAM	0A64

Citrix Receiver Standard 4.9.0

Priority and recommendations

Recommended: Dell recommends applying 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).

New features

The following are the new features for Citrix Receiver Standard 4.9.0:

- Smaller installer size
- New external beacon for StoreFront account
- Added the Desktops and Applications in the **Start** menu
- Auto updates for Citrix

Package details

Package name: **CitrixReceiverStd_4_9_WES7.exe**

- This package installs Citrix Receiver Standard 4.9.0.2539 on Windows Embedded Standard 7 builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop for Flash Redirection.
- Citrix Receiver Connector opens in lock mode for 10 seconds.

Package name: **CitrixReceiverStd_4_9_WES7P.exe**

- This package installs Citrix Receiver Standard 4.9.0.2539 on Windows Embedded Standard 7P builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_9_WE8S.exe**

- This package installs Citrix Receiver Standard 4.9.0.2539 on Windows Embedded 8 Standard builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.
- USB redirection works for all users of the client machine with all published Citrix Virtual Apps and Desktop, irrespective of the setting Simplify device connections for me in the Citrix Virtual Apps and Desktop connection preferences UI.
- During WDM package deployment, the Citrix Receiver uninstallation status is displayed in the foreground of the lock screen for 1-2 seconds.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop for Flash Redirection.

Package name: **CitrixReceiverStd_4_9_WIE10.exe**

- This package installs Citrix Receiver Standard 4.9.0.2539 on Windows 10 IoT Enterprise builds.

- The system restarts twice during the installation.
- USB redirection works for all users of the client machine with all published Citrix Virtual Apps and Desktop, irrespective of the setting Simplify device connections for me in theCitrix Virtual Apps and Desktop connection preferences UI.
- During WDM package deployment, the Citrix Receiver uninstallation status is displayed in the foreground of the lock screen for 1-2 seconds.
- Citrix Receiver Connector opens in lock mode for 10 seconds.
- Adobe Flash version must be same on the local client and Citrix Virtual Apps and Desktop for Flash Redirection.

Package name: **HDX_RealTime_Media_Engine_2_3.exe**

- This package installs HDX RTME 2.3 on Windows Embedded Standard 7 Enterprise, Windows Embedded Standard 7 Professional, Windows Embedded 8 Standard, and Windows 10 IoT Enterprise builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 100 MB.

Package name: **Sfc_Scan.exe**

- This package is only for scan.
- This package must be installed before HDX RTME 2.3 on Windows Embedded Standard 7P builds.
- The system restarts twice during the installation.
- Minimum free disk space required to install this package is 30 MB.

Fixed issues

Table 19. Fixed issues

Fixed issues	Workaround
Citrix 4.8: WES7P_7065_Z90QQ7P: Unable to uninstall citrix HDX player.	Push the Sfc_Scan.exe add-on from Management solutions.

Known issues

Table 20. Known issues

Known issues	Workaround
HDX-2.3 push is not working from Wyse Device Manager for the first time.	Push the Add-on twice from Management solutions.
HDX push is not working in Wyse 7010 Extended Chassis thin client and Wyse 7010 thin client from Wyse Management Suite.	Push the Add-on twice from Management solutions.

Test environment

The following table provides details on the tested platforms, with the configuration and builds for Citrix Receiver 4.9.0.2539:

Table 21. Windows Embedded Standard 7

Platform	Memory configuration	Windows Embedded Standard 7 builds
Wyse 3030 thin client (3290)	16 GB Flash and 4 GB RAM	7064
Wyse 7010 thin client with WES7 (Z90D7)	16 GB Flash and 4 GB RAM	7064
Wyse 7010 Extended Chassis thin client with WES7 (Z90DE7)	16 GB Flash and 4 GB RAM	7064

Platform	Memory configuration	Windows Embedded Standard 7 builds
Wyse 5010 thin client with WES7 (D90D7)	16 GB Flash and 4 GB RAM	7064
Wyse 7020 thin client with WES7 (Z90Q7)	16 GB Flash and 4 GB RAM	7064
Wyse 5020 thin client with WES7 (D90Q7)	16 GB Flash and 4 GB RAM	7064

Table 22. Windows Embedded Standard 7P

Platform	Memory configuration	Windows Embedded Standard 7P builds
Wyse 7020 thin client with WES7P (Z90Q7P)	16 GB Flash and 4 GB RAM	7066(Asian)
Wyse 7020 thin client with WES7P (Z90Q7P)	16 GB Flash and 4 GB RAM	7065(European)
Wyse 5020 thin client with WES7P (D90Q7P)	16 GB Flash and 4 GB RAM	7066(Asian)
Wyse 5020 thin client with WES7P (D90Q7P)	16 GB Flash and 4 GB RAM	7065(European)
Wyse 7020 accelerated graphics thin client with WES7P (Z90QQ7P)	16 GB Flash and 4 GB RAM	7066(Asian)
Wyse 7020 accelerated graphics thin client with WES7P (Z90QQ7P)	16 GB Flash and 4 GB RAM	7065(European)
Wyse 5010 thin client with WES7P (D90D7P)	16 GB Flash and 4 GB RAM	896
Wyse 5010 thin client with WES7P (D90D7P)	16 GB Flash and 4 GB RAM	896
Wyse 7040 thin client with Intel Core i7 processor	256 GB SED/128 SSD/500 HDD and 4 GB/8GB RAM	7065
Latitude E7270 mobile thin client	128 GB Flash and 8 GB RAM	7065
Latitude 3460 mobile thin client	128 GB Flash and 8GB RAM	7065
Wyse 5060 thin client	64 GB Flash and 4GB RAM	7067

Table 23. Windows Embedded 8 Standard

Platform	Memory configuration	Windows Embedded 8 Standard builds
Wyse 7010 thin client with WE8S (Z90D8)	16 GB Flash and 4 GB RAM	0924
Wyse 5010 thin client with WE8S (D90D8)	16 GB Flash and 4 GB RAM	0924
Wyse 7020 thin client with WE8S (Z90Q8)	16 GB Flash and 4 GB RAM	0924
Wyse 5020 thin client with WE8S (D90Q8)	16 GB Flash and 4 GB RAM	0924

Table 24. Windows 10 IoT Enterprise

Platform	Memory configuration	Windows 10 IoT Enterprise builds
Wyse 7020 thin client with Win10 IoT (Z90Q10)	32 GB Flash and 4 GB RAM	0A62
Wyse 5020 thin client with Win10 IoT (D90Q10)	32 GB Flash and 4 GB RAM	0A62

Platform	Memory configuration	Windows 10 IoT Enterprise builds
Wyse 7020 accelerated graphics thin client with Win10 IoT (Z90QQ7P)	256 GB SSD and 8 GB RAM	0A62
Wyse 5060 thin client with Win10 IoT	32 GB Flash and 4 GB RAM	0A60
Wyse 7040 thin client with Win10 IoT	256 GB SED/128 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 Flash and 8 GB RAM	0A64

Citrix Receiver Standard 4.8.0

Priority and recommendations

Recommended: Dell recommends applying 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).

New features

This section provides information about the new features in this release. Deploying the Citrix Receiver 4.8.0 package on your thin client installs the latest features introduced by Citrix.

- Composite USB redirection feature
- Keys mapping for Ctrl+Alt+Delete in the Citrix session

Citrix Receiver 4.8.0 package details

This section provides information about the Citrix Receiver 4.8.0 package and requirements to install the Citrix Receiver 4.8.0 package on your thin client.

Table 25. Package details

Operating system	Details
Windows Embedded Standard 7—WES7	**Filename**—CitrixReceiverStd_4.8.0.1010_WES7.exe **Minimum requirements**: • Minimum free disk space required to install this package is 130 MB. • You can install this package on WES7 builds installed on a flash drive of 16 GB or higher storage space. • Adobe Flash Player version must be same in thin client and XenDesktop for flash redirection. • Before installing **CitrixReceiverStd_4.8.0.1010_WES7.exe** on Wyse 3030 thin client and Wyse 7010 thin client, install the **Quest_USB_uninstall.bat** file using Wyse Management Suite v1.0. **More information**: • System reboots two times during the Citrix Receiver 4.8.0 package deployment. • Citrix Connector opens in lock mode for 10 seconds.
Windows Embedded Standard 7 Professional—WES7P	**Filename**—CitrixReceiverStd_4.8.0.1010_WES7P.exe **Minimum requirements**: • Minimum free disk space required to install this package is 130 MB. • You can install this package on WES7P builds installed on a flash drive of 16 GB or higher storage space. • Adobe Flash Player version must be same in thin client and XenDesktop for flash redirection.

Operating system	Details
	More information: • System reboots 2 times during the Citrix Receiver 4.8.0 package deployment. • Citrix Connector opens in lock mode for 10 seconds.
Windows Embedded 8 Standard—WE8S	**Filename**—CitrixReceiverStd_4.8.0.1010_WE8S.exe **Minimum requirements**: • Minimum free disk space required to install this package is 300 MB. • You can install this package on WE8S builds installed on a flash drive of 16 GB or higher storage space. • Adobe Flash Player version must be same in thin client and XenDesktop for flash redirection. **More information**: • System reboots two times during the Citrix Receiver 4.8.0 package deployment. • Citrix Connector opens in lock mode for 10 seconds. • USB redirection works for all users of the thin client with published XenDesktop, irrespective of the setting **Simplify device connections for me** in the XenDesktop connection preferences UI. • During the package deployment using Wyse Device Manager, the Citrix Receiver uninstallation status is displayed in the foreground of lock screen for 1–2 seconds.
Windows 10 IoT Enterprise—WIE10	**Filename**—CitrixReceiverStd_4.8.0.1010_WIE10.exe **Minimum requirements**: • Minimum free disk space required to install this package is 300 MB. • You can install this package on WIE10 builds installed on a flash drive of 32 GB or higher storage space. • Adobe Flash Player version must be same in thin client and XenDesktop for flash redirection. **More information**: • System reboots two times during the Citrix Receiver 4.8.0 package deployment. • Citrix Connector opens in lock mode for 10 seconds. • USB redirection works for all users of the thin client with published XenDesktop, irrespective of the setting **Simplify device connections for me** in the XenDesktop connection preferences UI. • During the package deployment using Wyse Device Manager, the Citrix Receiver uninstallation status is displayed in the foreground of lock screen for 1–2 seconds.

Known issues

The section provides information about the known issues and workaround for this release.

Table 26. Known issues

Sl. No.	Description	Workaround
1	In WES7P clients, the Citrix Receiver right-click menu may not disappear from system tray when you click anywhere on desktop or in the **Citrix Receiver** window.	Not available
3	In Wyse 7020 thin client, two entries for Citrix Receiver are listed in the **Installed Products** section of Dell Thin Client Application.	Not available
4	You cannot uninstall HDX Player from the Control Panel.	Not available

Sl. No.	Description	Workaround
5	In Wyse 5060 thin client, the **Low Memory** message may be displayed when you start Skype for Business in the Citrix session.	Not available

Build details

This section provides the build details for different operating systems.

Table 27. Build details

Operating system	Filename	File size
Windows Embedded Standard 7 (WES7)	CitrixReceiverStd_4.8.0.1010_WES7.exe	46.6 MB (48,951,296 bytes)
Windows Embedded Standard 7 Professional (WES7P)	CitrixReceiverStd_4.8.0.1010_WES7P.exe	
Windows Embedded 8 Standard (WE8S)	CitrixReceiverStd_4.8.0.1010_WE8S.exe	
Windows 10 IoT Enterprise (WIE10)	CitrixReceiverStd_4.8.0.1010_WIE10.exe	46.6 MB (48,947,200 bytes)

> ⓘ NOTE: **Dell recommends that you use Wyse Device Manager (WDM) v5.7.2 with the latest version of Wyse Device Agent (WDA) installed on your thin client.**

Tested platforms

The section provides information about the tested platforms.

Table 28. Windows Embedded Standard 7

Platforms	Storage	RAM	Build
Wyse 3030 thin client (3290)	16 GB flash	4 GB	7064
Wyse 5010 thin client with WES7 (D90D7)	16 GB flash	4 GB	7064
Wyse 5020 thin client with WES7 (D90Q7)	16 GB flash	4 GB	7064
Wyse 7010 thin client with WES7 (Z90D7)	16 GB flash	4 GB	7064
Wyse 7010 Extended Chassis thin client with WES7 (Z90DE7)	16 GB flash	4 GB	7064
Wyse 7020 thin client with WES7 (Z90Q7)	16 GB flash	4 GB	7064

Table 29. Windows Embedded Standard 7P

Platforms	Storage	RAM	Build
Wyse 5020 thin client with WES7P (D90Q7P)—European	16 GB flash	4 GB	7065
Wyse 5020 thin client with WES7P (D90Q7P)—Asian	16 GB flash	4 GB	7066
Wyse 5060 thin client with WES7P	64 GB flash	4 GB	7067
Wyse 7020 thin client with WES7P (Z90Q7P)—European	16 GB flash	4 GB	7065

Platforms	Storage	RAM	Build
Wyse 7020 thin client with WES7P (Z90Q7P)—Asian	16 GB flash	4 GB	7066
Wyse 7020 accelerated graphics thin client with WES7P (Z90QQ7P)—European	16 GB flash	4 GB	7065
Wyse 7020 accelerated graphics thin client with WES7P (Z90QQ7P)—Asian	16 GB flash	4 GB	7066
Wyse 7040 thin client with WES7P	256 GB SED/ 128 GB SSD/ 500 GB HDD	4 GB/ 8 GB	7065
D90D7P	16 GB flash	4 GB	896
Z90D7P	16 GB flash	4 GB	896
Latitude E7270 mobile thin client	128 GB flash	8 GB	7065
Latitude 3460 mobile thin client	128 GB flash	8 GB	7065

Table 30. Windows Embedded Standard 8

Platforms	Storage	RAM	Build
Wyse 5010 thin client with WE8S (D90D8)	32 GB flash	4 GB	924
Wyse 5020 thin client with WE8S (D90Q8)	32 GB flash	4 GB	924
Wyse 7010 thin client with WE8S (Z90D8)	32 GB flash	4 GB	924
Wyse 7020 thin client with WE8S (Z90Q8)	32 GB flash	4 GB	924

Table 31. Windows 10 IoT Enterprise

Platforms	Storage	RAM	Build
Wyse 5020 thin client with Win10 IoT (D90Q10)	32 GB flash	4 GB	0A38
Wyse 5060 thin client with Win10 IoT	64 GB flash	8 GB	0A52
Wyse 7020 thin client with Win10 IoT (Z90Q10)	32 GB flash	4 GB	0A38
Wyse 7020 thin client with Win10 IoT (Z90QQ10)	32 GB flash	4 GB	0A38
Wyse 7040 thin client with Win10 IoT	256 GB SED/128 GB SSD/ 500 GB HDD	4 GB/ 8 GB	0A50
Latitude 3480 mobile thin client	128 GB SSD	8 GB	0A49
Latitude 5280 mobile thin client	128 GB SSD	8 GB	0A59

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.

Installing add-on using Wyse Management Suite

You can install the add-on using Wyse Management Suite.

1 Go to support.dell.com.

2 Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.

   ⓘ NOTE: **If you do not have Service Tag, manually browse for your thin client model.**

3 Click **Drivers and Downloads**.

4 From the **Operating system** drop-down menu, select the appropriate operating system.

5 Scroll down the page and download the respective .exe file.

6 Copy the downloaded .exe file (raw installer file) to the Wyse Management Suite server repository.

   For example, copy the downloaded file to **<drive C>\Share\repository\thinClientApps**.

7 Log in to Wyse Management Suite.

8 Click **Portal Administration**, and then click **File Repository** under **Console Settings**.

9 Select the **Local Repository** check box.

10 Click **Sync Files**.

   Wait for the synchronization process to complete. The synchronization process copies the package from the repository to **Apps and Data**.

11 Click **Apps and Data**.

   The **Apps and Data** page is displayed.

12 Verify the copied package in the applications list.

13 To create a group in the Wyse Management Suite server, click **Groups & Configs**.

   The **Groups & Configs** page is displayed.

14 Click the **Plus sign (+)** button and enter the required details to register your client in the same group.

15 Click **Apps and Data**.

   The **Apps and Data** page is displayed.

16 Click **Thin Clients** under **App Policies**.

17 Click **Add Policy** to add the policy to the required group.

   ⓘ NOTE: **For the .exe file, `--silent` is the silent installation parameter.**

18 Update the required fields, and then click **Save**.

   An **Alert** window is displayed.

19   Click **Yes**.

> ⓘ **NOTE:** The lock screen is displayed during the package installation process on all the thin clients.

The package is deployed immediately.

Installing add-on using Wyse Device Manager

Follow these steps to register a package using Wyse Device Manager:

1   Go to support.dell.com.
2   Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.

> ⓘ **NOTE:** If you do not have Service Tag, manually browse for your thin client model.

3   Click **Drivers and Downloads**.
4   From the **Operating system** drop-down menu, select the appropriate operating system.
5   Scroll down the page and download the respective .exe file.
6   Download the respective .exe file to WDM server.
7   Launch Wyse Device Manager and login using valid credentials.
8   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.

9   Select **Other Packages**.
10   Click **Create Package Plus (+)**.

The application prompts to download the Package Register utility.

11   Click **Allow**.

The **Create Package** window is displayed.

12   Download the .exe file on your local repository.
13   Navigate to the folder, and run the **Package Register** utility file.

The **WDM Package Registration Utility** window is displayed.

14   Enter WDM server address and user credentials in the respective fields.
15   Select **EXE** to register, and click **Browse**.

The **WDM Package Uploader** window is displayed with the progress status bar.

16   Click **Open**.

The list of selected packages is displayed.

17   Select the appropriate operating system package and provide the command line parameter as `--silent`, and click **Upload**.

The status is displayed as **Success**.

18   Schedule the package to the target client.

C:\Temp folder is created and it will not be deleted after installation.

> ⓘ **NOTE:** The lock screen is not available when the package is pushed using WDM.

Installing add-on using System Center Configuration Manager 2016—SCCM

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 sys-tray pop up message is displayed, and the new software is available for installation.

1   Adding the device to the device collection—see Adding device to new device collection.
2   Creating and distributing a package—see Creating and distributing a package.
3   Creating a task sequence—see Creating a task sequence.
4   Deploying a task sequence—see Deploying a task sequence.

Adding device to new device collection

To push the add-on to a new device, you must add the new thin client to a new device collection.

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 to add to the collection, and click **OK**.
4   In the **Assets and Compliance** section, click **Device Collections**, and verify whether the device is added.

Creating and distributing a package

To push the add-on to a thin client, you must create a package for the add-on and distribute the package to the target thin client.

1   Go to support.dell.com.
2   Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.

     ⓘ **NOTE: If you do not have Service Tag, manually browse for your thin client model.**
3   Click **Drivers and Downloads**.
4   From the **Operating system** drop-down menu, select the appropriate operating system.
5   Scroll down the page and download the respective .exe file.
6   Copy the .exe file to a shared folder.
7   Expand **Software Library** > **Overview** > **Application management** > **Packages**.
8   Right-click **Packages**, and click **Create Package**.
9   Enter the package name, description, manufacturer name, language, and version.
10   Click **Next**.
11   Browse to the source folder where you have copied the add-on files.
12   Click **Next**.
     The newly created packages are listed in the **Application Management** under **Package**.
13   Select the **Standard Program** option as the program type.
     The **Standard Program** page is displayed.
14   Enter the required details, and click **Browse** to navigate to the .exe file location.
15   Select the .exe or .msi file, and enter `--silent` for silent installation, `–silent –repair` for repair, and `–silent --uninstall` for uninstallation.
16   Click **Next**.
17   Click **Next** until the window with the **Close** button is displayed.
18   Click **Close**.
19   Select the package, right-click and click **Distribute Content** .
20   From the **Add** drop-down list, select **Distribution Point**.
21   Select an option to schedule job at a specified time, and click **Next**.
22   Verify the information that you have provided on the summary page, and click **Next**.
23   Click **Close**.

24 Right-click on the created package, and click **Deploy**.

25 Click **Collection**, and browse to the device collection list.

26 Select the device, and click **Next**.

27 From the **Add** drop-down list, select **Distribution Point**.

28 Select the available distribution points, and click **OK**.

29 Click **Next** to complete the deployment process.

30 Click **Close**.

The content status is displayed in green. It may take a few minutes to complete the distribution process.

Creating a task sequence

To schedule a package deployment, you must create a task sequence.

1 Go to support.dell.com.

2 Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.

> ⓘ NOTE: If you do not have Service Tag, manually browse for your thin client model.

3 Click **Drivers and Downloads**.

4 From the **Operating system** drop-down menu, select the appropriate operating system.

5 Scroll down the page and download the respective .exe file.

6 Copy the .exe or file to a shared folder.

7 Expand **Software Library** > **Overview** > **Operating System**.

8 Right-click **Task Sequence**, and click **Create Task Sequence**.

9 In the **New Task Sequence** wizard, select **Create Custom Task Sequence**, and click **Next**.

10 Click **Close**.

11 Right-click the created task sequence, and click **Edit**.

12 From the **Add** drop-down list, go to **Software** > **Install Package**.

13 Select the created package, and click **Apply**.

14 Click **OK**.

Deploying a task sequence

To schedule a package deployment, you must deploy the created task sequence.

1 Go to **Start** > **All Programs** > **Microsoft System Center** > **Configuration Manager Console**.

The **System Center Configuration Manger** window is displayed

2 Click **Software Library**.

3 Right click the created the task sequence and deploy it to the required device collection.

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.
3. Select your product and click the search icon or press Enter.
4. Click **Manuals & documents**.

Accessing documents using product selector

You can also access documents by selecting your product.

1. Go to www.dell.com/support.
2. Click **Browse all products**.
3. Click **Thin Clients**.
4. Click the desired category, either **Wyse Hardware** or **Wyse Software**.
5. Click the desired product.
6. Click **Manuals & documents**.

9

Contacting Dell

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for technical support or customer service issues, see www.dell.com/contactdell.

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.