

# Wyse Converter for PCs 1.1 Release Notes

**Current Version:** 1.1

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**Previous Version:** 1.0.1

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Software releases are created to correct defects, make enhancements, or add new features. These releases are tested on all current, actively shipping platforms and operating systems, as applicable. This release notes contain details on the supported platforms, any changes in the configuration settings and licensing details as well. The bug fixes along with the workarounds are documented in the release notes. Any changes in the feature functionality from an end-user perspective are listed with the description of each feature at a high level.

## Release type and definition

Wyse Converter for PCs is a stand-alone software that enables you to provide a thin client like experience on a Windows personal computer. Wyse Converter for PCs provides a secure, and seamless interface to connect to Virtual Desktop Infrastructure (VDI) sessions.

Wyse Converter for PCs customizes the existing Windows operating system on the hardware, but does not replace the operating system. It only locks down the Windows operating system for a more secure user experience.

After the installation of Wyse Converter for PCs, the device is called Wyse Software Thin Client. You can manage the Wyse Software Thin Client using Wyse Management Suite.

## Supported operating systems

Wyse Converter for PCs supports the following operating systems:

- Microsoft Windows 7 32-bit and 64-bit—SP1, and later for all the supported languages
- Microsoft Windows 10 Enterprise 64-bit, and for all the supported languages
- Microsoft Windows 10 Professional 64-bit, and for all the supported languages

## What's new in Wyse Converter for PCs 1.1

- The Wyse Converter for PCs 1.1 web console supports the Microsoft Windows 10 Professional 64-bit for the following languages:
  - English
  - German
  - Japanese
  - Spanish

- Chinese—Simplified
  - Chinese—Traditional
  - Korean
  - French—France
  - French—Canada
  - Italian
  - Portuguese Brazil
- Supports upgrade from Wyse Converter for PCs version 1.0 and 1.0.1 to Wyse Converter for PCs 1.1.

**NOTE:** Upgrade is supported only on the following operating systems:

- **Windows 10 Enterprise 64-bit**
- **Windows 7—32-bit and 64-bit**

## Key features

### Unified Write Filter—UWF for Windows 10 Enterprise

Unified Write Filter (UWF) is a sector-based write filter that protects your storage media on a Windows 10 Enterprise device. UWF intercepts all write attempts to a protected volume and redirects those write attempts to a virtual overlay. UWF improves the reliability and stability of your device, and improves system security since unauthorized changes to the system are rejected. In UWF, an overlay is a virtual storage space that saves changes made to the underlying protected volumes. Any time the file system attempts to modify a protected sector, UWF instead copies the sector from the protected volume to the overlay, and then modifies the overlay instead. If an application attempts to read from that sector, UWF returns the data from the overlay instead, so that the system maintains the appearance of having written to the volume, while the volume remains unchanged.

**CAUTION:** Please follow proper write filter and Windows Page File usage instructions at all times. Such instructions include making sure that the write filter is enabled during regular use and is disabled only temporarily by an administrator when required for image upgrades, applying security patches, registry changes and application installation. The write filter should be re-enabled as soon as such tasks are completed. Dell is not responsible for, and will not, warrant, support, repair or replace any thin client device or component that fails to operate properly due to a failure to follow these instructions.

After you configure the Wyse Software thin client, to enable the UWF, double-click the **Dell Wyse WF Enable** icon on the desktop. This icon enables the write filter and restarts the system. The configurations on the Wyse Software thin client are saved.

The UWF starts automatically when the system starts. You can add specific files or folders on a protected volume to a file exclusion list to exclude those files and folders from being filtered by UWF using the Dell Wyse Unified Write Control tool.

To access the Dell Wyse Unified Write Control tool, click the **Unified Write Filter** icon in the system tray. When a file or folder is in the exclusion list for a volume, all writes to that file or folder avoids UWF filtering, and are written directly to the protected volume and continue after the device restarts.

**NOTE:** Log in as an administrator to add or remove the file or the folder exclusions during run time, and restart the device for the new changes to take effect.

## NetXClean

NetXClean is a cleanup utility that keeps extraneous information from being stored on the local disk. When multiple users have the logon rights to a system, the locally stored profile uses the disk space. NetXClean can be used to automatically clean up the directories used for temporary caching of information. Cleanup is triggered on either service startup or user logoff. It does the cleanup in the background and is configured.

NetXClean uses the configuration file to determine which directories and files to remove and not to remove. The utility can be configured to the following:

- Delete any number of directories and their contents.
- Delete the contents of any number of directories.
- Delete any number of files declared explicitly.
- Delete any number of files matching wild-character filenames.
- Refrain from cleaning up any of the profiles.
- Refrain from cleaning up any number of explicitly declared profiles.

- Refrain from cleaning up any number of the most recently used profiles.
- Perform the directory cleanup on service start event, user logoff event, or both events; declared on a per-directory basis.
- Perform the file cleanup on service start event, user logoff event, or both events; declared on a per-file basis.
- Perform the profile cleanup on service start event, user logoff event, or both events; declared for all profiles collectively.

NetXClean does not clean up the following directories or any parent to these directories:

- Windows directory
- Windows System directory
- The current directory where the service is installed.

NetXClean does not delete the following profiles:

- Administrator
- skinnynt
- totalcontrol
- Default\_User
- Default\_user
- The profile of the last user to log in.

**NOTE:** The user profiles saved before the Wyse Converter for PCs installation are added to the NetXClean exclusion list and the user profiles are preserved for the NetXClean profile cleanup activity.

## RAM disk

RAM disk is a volatile memory space used for temporary data storage. The following items are on the RAM disk:

- Browser web page cache
- Browser history
- Browser cookies
- Browser cache
- Temporary internet files
- Print spooler files
- User/system temporary files

## C-A-D tool

The C-A-D tool maps the Ctrl+Alt+Del key combination of VDI applications to display the Ctrl+Alt+Del screen. If the C-A-D tool is enabled, you can use Ctrl+Alt+Del key combination for all the VDI applications.

The following are the mapped keys for different VDI applications which support the C-A-D tool:

- Citrix—Ctrl+F1
- VMware—Ctrl+Alt+Insert
- RDP—Ctrl+Alt+End

## Wyse Converter for PCs installation prerequisites

The following are the prerequisites to install Wyse Converter for PCs:

- Update the latest version of Windows QFEs and the drivers.
- Install the genuine version of the Windows operating system.
- WyseUser or WyseAdmin user name must not exist.
- Minimum disk space is 2 GB.
- Unified Write Filter must be disabled for Windows 10 Enterprise operating systems.
- Disable the antivirus access restrictions such as temp folder execution restrictions, program files folder creation restrictions, and the registry read or write permissions.
- Secure boot must be disabled.

**NOTE:** Wyse Converter for PCs cannot be installed on a virtual machine and on secure boot enabled devices.

# Wyse Converter for PCs installer

Wyse Converter for PCs is bundled as a package which can be installed on the local device or using Microsoft System Center Configuration Manager (SCCM). Double-click the `WyseConverterforPCs.exe` installer file to install Wyse Converter for PCs on the local device. It can be deployed as a normal package, using SCCM.

The following modifications are made by the Wyse Converter for PCs installer:

- WyseAdmin and WyseUser user accounts are created, and the existing user accounts are disabled.
- The NetXClean utility is installed to clean the unnecessary information from the local storage.
- The control settings functions are limited in the user account.
- The supported applications such as Wyse Device Agent, Citrix receiver, Citrix HDX RealTime Media Engine, VMware Horizon client, and TightVNC can not be deployed, upgraded, or downloaded if any version of the application is installed in the system.
- The .NET Framework, Microsoft Visual C++ Redistributable, Windows Management Framework, and VDI applications—Citrix and VMware, installed during the installation of Wyse Converter for PCs are not removed when Wyse Converter for PCs is uninstalled.
- Dell thin client application, C-A-D map tool, and RAM disk applications are installed.
- UWF is installed by the Wyse Converter for PCs installed on systems that run on Windows 10 Enterprise operating system.
- Dell wallpaper, desktop theme, and Dell logo for the user account are added.
- The administrator account and the user accounts which are part of local administrator group are not disabled by the Wyse Converter for PCs.
- If you update any of the applications installed by the Wyse Converter for PCs, the applications are not uninstalled when you uninstall Wyse Converter for PCs.

## Methods of installation

You can install Wyse Converter for PCs using the following methods:

- Manual Installation
  - Local installation on your PC, using `WyseConverterforPCs.exe` installer file.
- Remote Installation
  - Use the following parameters for a silent remote installation from a third party management software such as Microsoft System Center Configuration Manager (SCCM): `WyseConverterforPCs.exe /install /adminpassword:<Password>/userpassword:<Password> /app: citrixrxvr:citrixhdxrtme:vmware:tightvnc`

For more information, see Installation methods in *Wyse Converter for PCs 1.1 Administrator's Guide* at [Support.dell.com](https://support.dell.com)

### NOTE:

- **The Password field must be entered as per the password policy defined in the domain password policies.**
- **Special characters such as \ / ` ' , ~ ; : \* ? " & ^ are not allowed for creating a user in Wyse Converter for PCs.**

## Installation type

There are two types of installation procedure available in the Wyse Converter for PCs:

- Typical—If you select the typical setup, the typical installation window is displayed. It requires minimum user interaction and installs all the default applications.
- Custom—If you select the Custom setup, the custom installation window is displayed. You can select any of the following applications that you want to install on your system:
  - Wyse Device Agent—Mandatory
  - Citrix Receiver
  - Citrix HDX RealTime Media Engine
  - VMware Horizon Client
  - TightVNC

In the custom installation procedure, you can select the program features to be installed. The installation procedure requires maximum user interactions. Dell recommends custom installation for advanced users. By default the Wyse Device Agent (WDA) software is installed and the check box is not available. If the applications are already installed on the PC before the installation procedure, then they are not reinstalled.

## Uninstallation

The following are the prerequisites to uninstall Wyse Converter for PCs:

- The write filter must be disabled for Windows 10 Enterprise PCs.
- Uninstall the Wyse Converter for PCs software from the Standard administrator account before the installation procedure.

There are two types of uninstallation procedure for Wyse Converter for PCs:

- Manual—Wyse Converter for PCs can be uninstalled from the Programs and Features option in Control Panel. To uninstall the software, double-click the `WyseConverterforPCs.exe` file to uninstall the software.
- Remote—For remote uninstallation Dell has a separate uninstaller such as, `uninstaller_WyseConverterForPCs.exe`, which must be installed from Wyse Management Suite using Standard App Policy.

## Upgrade methods

You can upgrade Wyse Converter for PCs using any of the following methods:

- Manual installation—Local installation on your PC, using `WyseConverterforPCs.exe` installer file.
- Remote installation—For a silent remote installation from a third party management software such as Microsoft System Center Configuration Manager (SCCM), you have to use the parameter `WyseConverterforPCs.exe /install`.

**NOTE:** Upgrading Wyse Converter for PCs from version 1.0 and version 1.0.1 to version 1.1 using Wyse Management Suite version 1.2 is not supported. Dell recommends that you use the remote upgrade using SCCM or local upgrade methods.

For more information, see Upgrade methods section in *Wyse Converter for PCs 1.1 Administrator's Guide* at [Support.dell.com](http://Support.dell.com).

## Tested platforms

Wyse Converter for PCs can be used on any working Windows 7—32-bit or 64-bit, Windows 10 Enterprise—64-bit or Windows 10 Professional—64-bit devices. The following table lists the tested platforms:

**Table 1. Tested platforms**

Hardware	Microsoft Windows 7				Microsoft Windows 10 Enterprise	Microsoft Windows 10 Professional
	32-Bit		64-Bit		64-Bit	64-Bit
	Professional with Service Pack 1	Enterprise with Service Pack 1	Professional with Service Pack 1	Enterprise with Service Pack 1		
Latitude 5280 mobile thin client	No	No	No	No	Yes	Yes
Latitude 3480 mobile thin client	No	No	No	No	Yes	Yes
Latitude E7270 mobile thin client	Yes	Yes	Yes	Yes	Yes	No
Latitude 3460 mobile thin client	Yes	Yes	Yes	Yes	Yes	No
OptiPlex 7040	Yes	Yes	Yes	Yes	Yes	Yes

**Table 2. Tested versions of Windows 10 and Windows 7**

Operating System	Version
Windows 10 Enterprise 64-bit	1709,1703,1607
Windows 10 Professional 64-bit	1709,1703,1607

Operating System	Version
Windows 7 Enterprise 64-bit	Service pack1 6.1.7601
Windows 7 Enterprise 32-bit	Service pack1 6.1.7601
Windows 7 Professional 64-bit	Service pack1 6.1.7601
Windows 7 Professional 32-bit	Service pack1 6.1.7601

## Tested VDI connections

Table 3. Tested VDI connections

Broker connections	Version
Remote Desktop Protocol (RDP)	8.1
Citrix Receiver	4.8
VMware Horizon Client	4.3

## Known issues

This section describes the known issues for Wyse Converter for PCs 1.0 release.

 **NOTE: Issues listed in the table are also applicable for Wyse Converter for PCs 1.1 release.**

Table 4. Known issues

Known issues	Workaround
VMware shortcut is deleted from the public desktop after unregistering Wyse Software thin client from Wyse Management Suite.	You can access VMware Horizon from the start menu.
Installer shows fatal error for Citrix HDX, when Citrix HDX is not compatible with the Citrix agent installed.	Ensure that compatible version of Citrix HDX is installed before installing Wyse Converter for PCs. The current installer only installs Citrix 4.8 and the compatible version of Citrix HDX along with it.
The mouse pointer position is not synchronized with the VNC session in the Wyse Software thin clients.	There is no workaround.
The Windows autoupdate setting is disabled, after the uninstallation of Wyse Converter for PCs.	Start Windows Update Service from <code>services.msc</code> .
The WyseUsers accounts and profiles are available on the Windows logon screen, after the uninstallation of Wyse Converter for PCs from the remote management.	After uninstalling the Wyse Converter for PCs from any remote management, log in as administrator to delete WyseUser account from the system.
An error message is displayed while changing the user account profile picture after installing Wyse Converter for PCs.	This issue is not due to Wyse Converter for PCs. It is a known issue for thin clients with Windows 10 IoT Enterprise.
Occasionally for Windows Enterprise, the keyboard filter driver signing issue is observed.	The drivers on the system must be up-to-date and no updates must be installed along with Wyse Converter for PCs.
Occasionally BSOD is observed when the system restarts for post configuration script run in WyseUser account and WyseAdmin account. When you enable or disable the UWF from UWF configuration window, BSOD is observed.	Ensure all the updates such as App updates, QFE updates, defender updates, and so on, are complete.

Known issues	Workaround
After continuous alternative log-offs and login to WyseUser account and WyseAdmin account, the system stops working occasionally.	There is no workaround.
In storage window, C drive size is displayed as 237 GB for 128 GB Flash drive. This value is different when compared with storage size and disk management.	This is Microsoft operating system issue and not related to the Wyse Converter for PCs.
Windows 10 Enterprise defender icon is not visible in the system tray.	Expected behavior for Wyse Converter for PCs.
After the uninstallation of Wyse Converter for PCs, the uninstalled application icon is still visible in customize option of the system tray.	Expected behavior for Wyse Converter for PCs.
Unable to upgrade Wyse Converter for PCs version 1.0.1 and version 1.1 using Wyse Management Suite. The upgrading process stops on the system administrator configuration window.	Dell recommends to upgrade Wyse Converter for PCs version 1.0.1 and version 1.1 locally, or using SCCM.
System Environment variable gets deleted after uninstalling Wyse Converter for PCs using Wyse Management Suite.	Create <b>Temp</b> environment variable manually.
Image version of Wyse Software thin client is not displayed on the device details page in the Wyse Management Suite server.	There is no workaround.

## Build information

**Table 5. Build information**

File Name	Version	Build	Size (bytes)
WyseConverterforPCs.exe	1.1	1.1.0.7112	533,256,400
Uninstall_WyseConverterforPCs.exe	1.1	1.1.0.7112	4,493,344

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## 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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