

# Wyse Converter for PCs 2.0 Release Notes

**Current Version:** 2.0

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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.

## Support matrix

Wyse Converter for PCs and Wyse Easy Setup are supported by the following operating systems:

**Table 1. Support matrix**

Supported operating system	Version	Supported languages
Windows 10 Enterprise 64-bit	1703, 1709, and 1803	<ul style="list-style-type: none"> <li>• English India</li> <li>• English United Kingdom</li> <li>• Dutch</li> <li>• Russian</li> <li>• English United States</li> <li>• German</li> </ul>
Windows 10 Professional 64-bit	1703, 1709, and 1803	
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	

Supported operating system	Version	Supported languages
Windows 7 Professional 32-bit	Service pack1 6.1.7601	<ul style="list-style-type: none"> <li>• French France</li> <li>• French Canada</li> <li>• Italian</li> <li>• Spanish</li> <li>• Japanese</li> <li>• Korean</li> <li>• Simplified Chinese</li> <li>• Traditional Chinese</li> <li>• Portuguese Brazilian</li> </ul>

**NOTE:** The following are the newly supported languages on Wyse Converter for PCs 2.0:

- **English United Kingdom**
- **English India**
- **Russian**
- **Dutch**

**Also, the Wyse Converter for PCs installer and Wyse Easy Setup (Shell and the Admin UI) are in English-United states for these language builds.**

## What's new in Wyse Converter for PCs 2.0

- Supports **Wyse Easy Setup** which is integrated with the build.
- Supports **Dell Write filter** for Windows 7 desktop operating system.
- Supports desktop lockdown UI during installation.
- Supports **Unified Write Filter Overlay** configuration from RAM to disk.
- Supports **Page File** enabling with Write Filter.
- Supports latest **Third Party Applications** such as Citrix and VMware.
- Supports **Dynamic RamDisk** size configuration based on Write Filter status.
- Supports new languages.
- Supports **Microsoft Windows 10 Pro** operating system.
- Supports **Windows 10** version 1803 operating system.

**NOTE:** The Windows 10 Enterprise and Professional 64-bit operating system updated from build 1803 to 1809 is not supported.

## Dell Write Filter

Dell Write Filter (DWF/FBWF) is a file-based write filter that protects your storage media on a Windows 7 desktop operating system. DWF intercepts all write attempts to a protected volume and redirects those write attempts to an overlay. The overlay is stored in a folder on the same volume. The size of the overlay is limited to the amount of free space available on the volume. Exclusion lists are supported for files and folders.

DWF improves the reliability and stability of your device and improves system security since unauthorized changes to the system are discarded. In DWF, an overlay is a virtual storage space that saves changes that are made to the underlying protected volumes. Any time the file system attempts to modify a protected file in the overlay, DWF instead copies the file from the protected volume to the overlay and modifies the copied file in the overlay. If an application attempts to read the file, DWF returns the data from the overlay. The file in the protected volume remains unchanged.

For more information, see [White papers](#).

## Using Dell Write Filter

### Steps

1. Log in as WyseAdmin.  
If automatic login to a user desktop is enabled, log off from the user desktop and log in as an administrator.
2. To disable the Dell Write Filter, double-click the **DWF Disable** icon on the desktop.

This icon disables the filter and reboots the system.

3. Configure the Wyse Software thin client as per your requirements.
4. After you configure the Wyse Software thin client, to enable the Dell Write Filter, double-click the **DWF Enable** icon on the desktop. This icon enables the filter and reboots the system. Your configurations on the Wyse Software thin client are now saved, and they are no changes in the settings after you reboot the thin client.

### Next steps

Dell Write Filter (DWF) starts automatically after 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 DWF using the Dell Wyse Write Control tool. To access the tool, click the Dell Write Filter icon in the system tray. When a file or folder is in the exclusion protected volume, all writes to that file or folder bypass DWF filtering, and are written directly to the protected volume and persist after the device restarts.

You must log in as an administrator to add or remove file or folder exclusions during run time, and you must restart the device for new exclusions to take effect.

 **NOTE: File commit is not supported in Dell Write Filter.**

## Setting Dell Write Filter controls

To view and manage DWF control settings, use the **Dell Write Filter Control** dialog box. To open the dialog box, double-click the DWF icon in the notification area of the administrator taskbar.

When you configure DWF control settings, some of the fields are unavailable. You can select from the list of available fields during configuration.

The Dell Write Filter Control dialog box includes the following:

- **DWF status**
  - **Current Status**—Displays the status of the File Based Write Filter. The status may either be Enabled or Disabled.
  - **Boot Command**—Displays the status of the Boot Command. DWF\_ENABLE means that the DWF is enabled for the next session; and DWF\_DISABLE means that the DWF is disabled for the next session.
  - **Overlay used by DWF**—Displays the amount of overlay allocated to the File Based Write Filter in Mega bytes (MB) and Percentage. If **Current Status** is disabled, overlay allocated to DWF is always zero (0).
  - **Amount of overlay used for DWF Cache**—Displays the amount of overlay allocated to the File Based Write Filter cache for the current session in Megabytes (MB).
  - **Warning #1 (%)**—Displays the DWF cache percentage value at which a Low Memory warning message is displayed to the user for the current session.
  - **Warning #2 (%)**—Displays the DWF cache percentage value at which a Critical Memory warning message is displayed to the user.
- **DWF Cache settings**
  - **Amount of overlay to be used for DWF Cache**—Displays the amount of overlay that is to be used as the File Based Write Filter cache for the next session in MB. This value should be in the range of 256 MB to 32 GB. There is an extra check to ensure that this value does not exceed 50% of Total Available overlay.
- **DWF Warning settings**
  - **Warning #1 (%)**—Displays the DWF cache percentage value at which a Low Memory warning message is displayed to the user (Default value=80, Minimum value=50, Maximum value=80).
  - **Warning #2 (%)**—Displays the DWF cache percentage value at which a Critical Memory warning message is displayed to the user. Once the memory level crosses the warning level 2, system automatically restarts. (Default value=90, Minimum value=55, Maximum value=90)
- **Enable DWF**—Allows you to enable the file based Write Filter and prompts you to restart the Wyse Software thin client device. To save the changes, restart the Wyse Software thin client. After the system restarts to enable the File Based Write Filter, the File Based Write Filter status icon in the desktop notification area turns green.
- **Disable DWF**—Allows you to disable the File Based Write Filter and prompts you to restart the Wyse Software thin client. To save the changes, restart the Wyse Software thin client. After disabling the File Based Write Filter, the File Based Write Filter status icon in the desktop notification area turns red and the File Based Write Filter remains disabled after the system restarts.
- **Defaults**—Allows you to reset the DWF Cache Settings area, and the DWF Warning Settings area to their default values.
- **Current Session Exclusion List**
  - **File/Directory Path**—Allows you to add and remove a file or directory, to or from the exclusion list for the next session. This retrieves the list of files or directories that are written through in the current session and the title of the pane is shown as Current Session Exclusion List. The Next Session retrieves the list of files or directories that are written through for the next session and

the title of the pane is shown as Next Session Exclusion List. The system will not restart the Wyse Software thin client, and the changes are not committed until an administrator restarts the Wyse Software thin client device manually.

 **NOTE: Dell Write Filter does not support registry filtering.**

## Unified Write Filter disk overlay

Unified Write Filter can be configured to store the overlay either in RAM (RAM-based), or in a pre-allocated file on the system volume (disk-based). In a disk-based overlay, UWF uses a pre-allocated file that is created on the system volume to increase the available space for the overlay.

Due to the availability of more disk space in PCs, Wyse Converter for PCs 2.0 configures the UWF to store the overlay in a pre-allocated file on the system volume (disk-based) and configures the size as per the following table:

**Table 2. UWF disk overlay size**

Disk size	UWF Disk Overlay
Less or equal to 10 GB	2 GB
More than 10 GB	4 GB
More than 25 GB	8 GB

## Dynamic RAMDisk configuration based on Write Filter status

RAMDiskSize application monitors and determines the RAMDisk size based on the status of Write Filter. When the write filter is enabled, the RAMDiskSize is set to 100 MB. If the system RAM is less than 4 GB, and the write filter is disabled, the RAMDiskSize is set to 100 MB. Also, the system temp is redirected to C:\Windows\Temp.

If the system RAM is 4 GB or higher, then the RAMDiskSize is set to 2 GB.

On Windows 7 32-bit operating system, if the RAM is set to more than 4 GB then the RAMDiskSize is also set to 4 GB. This is because Windows 7 32-bit operating system supports only 4 GB SKU of RAM.

## Wyse Easy Setup

Wyse Easy Setup enables administrators to quickly and easily deploy configurations on devices with Wyse Converter for PC. You can create a kiosk mode to lock down the device to prevent users from accessing any features or functions on the device outside of the kiosk mode. You can also customize the kiosk interface to enable or disable user access to specific settings. The customized desktop can be configured on-premise or remotely using Wyse Management Suite.

Wyse Easy Setup can be installed as part of Wyse Converter for PCs 2.0 installation.

Wyse Easy Setup enables you to:

- Create a dedicated browser-focused client by configuring the Internet Explorer settings.
- Configure multiple broker connections such as Citrix, VMWare, and Remote Desktop Protocol (RDP).
- Configure a device to provide a dedicated application for a particular line of business.
- Create custom desktop with lockdown settings for end user.
- Configure a kiosk mode to lock down a Windows device to prevent users from accessing any features or functions on the device outside of the kiosk mode. You can also customize the kiosk interface to enable or disable user access to specific settings.

## Desktop lockdown UI during installation phase

The look and feel of the Wyse convertor for PCs installer UI is changed for customization workflow and better user experience.

## Factory reset

You can reset the thin client to factory default settings using Microsoft Windows Recovery tools.

For more information, see [White papers](#).

## Pagefile

A pagefile is a reserved portion of a hard disk that is used as an extension of random access memory (RAM) for data in RAM.

In Wyse Converter for PCs 2.0, a separate volume of size 2 GB is created for pagefile. The Unified Write Filter overlay is configured to disk and Microsoft does not support pagefile on the write protected volume. The pagefile is created on a separate volume (drive) during a fresh installation or an upgrade to Wyse Converter for PCs 2.0 and all the page file settings are preserved and are restored after uninstallation of Wyse Converter for PCs 2.0. Pagefile supports both Dell Write Filter and Microsoft Unified Write Filter to improve the performance of the system. Similarly, Dell Write Filter does not support the pagefile on disk overlay.

Separate volume for pagefile is created on the following basic criteria:

- The available disk size must be greater than 75 percent of total RAM disk size.
- Total RAM must be less than 8 GB.
- Shrinkable volume must be available.

If the basic criteria are not met, the pagefile drive is not created. Also, pagefile drive is not created in Windows 10 Pro as Microsoft Write filter is not available in Windows 10 Pro.

## Start layout customization

Start Layout Customization enables administrator to restrict user access to applications from the Windows **Start menu**.

For more information, see [White papers](#).

## 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:

- The latest version of Windows QFEs and the drivers are installed.
- A genuine version of the Windows operating system is installed.
- Existing username is not WyseUser or WyseAdmin.

- Minimum disk space is 4 GB is available.
- Unified Write Filter is 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 is 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 by 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 personal computer, 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:wyseeasysetup.`

For more information, see Installation methods in *Wyse Converter for PCs 2.0 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 enabled 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—Default
  - Unified Write Filter—For Windows 10 operating system
  - Dell Write Filter—For Windows 7 operating system
  - Wyse Easy Setup
  - 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 is disabled for Windows 10 Enterprise PCs.
- Wyse Converter for PCs software from the Standard administrator account is uninstalled 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 using Wyse Management Suite or third-party management software such as Microsoft System Center Configuration Manager (SCCM), use the parameter `WyseConverterforPCs.exe /install /u`.

## Upgrade methods

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

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

**NOTE:** You cannot upgrade Wyse Converter for PCs from versions 1.0 or 1.0.1 to 1.1 using Wyse Management Suite 1.2. You can upgrade Wyse Converter for PCs from versions 1.0, 1.0.1, 1.1 to version 2.0 using Wyse Management Suite 1.3. However, you must install the latest WDA version 14.3.0.66.

For more information, see the Upgrade methods section in *Wyse Converter for PCs 2.0 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 3. 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	No	No	No	No	Yes	Yes
Latitude 3480	No	No	No	No	Yes	Yes
Latitude E7270	Yes	Yes	Yes	Yes	No	No
Latitude 3460	Yes	Yes	Yes	Yes	No	No

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		
OptiPlex 7040	Yes	Yes	Yes	Yes	Yes	Yes

**Table 4. Tested versions of Windows 10 and Windows 7 operating system**

Operating system	Version
Windows 10 Enterprise 64-bit	1703, 1709, 1803
Windows 10 Professional 64-bit	1703, 1709, 1803
Windows 7 Enterprise 64-bit	Service pack 1 version 6.1.7601
Windows 7 Enterprise 32-bit	Service pack 1 version 6.1.7601
Windows 7 Professional 64-bit	Service pack 1 version 6.1.7601
Windows 7 Professional 32-bit	Service pack 1 version 6.1.7601

## Tested VDI connections

**Table 5. Tested VDI connections**

Broker connections	Version
Remote Desktop Protocol (RDP)	8.1
Citrix Receiver	4.12
VMware Horizon Client	4.8

## Known issues

This section describes the known issues for Wyse Converter for PCs 2.0 release.

**Table 6. Known issues**

Issue ID	Description	Workaround
SUP-405	When configurations are pushed from Wyse Management Suite Server to specific language builds, the Citrix connection shortcuts are not created on the user desktop.	You must provide user permission for <code>C:/Users/Public/desktop</code> to everyone by pushing the script.
SUP-406	RDP and VMware icons are not deleted when the System Background is set using Wyse Management Suite.	You must push the configuration from server that has all the required connection details such as VMware, RDP, and so on.
SUP-430	Wyse Easy Setup 1.1 help file is not updated with respect to Wyse converter for PC's 2.0.	There is no impact to functionality. Wyse Easy Setup configurations are similar for both the thin client and Wyse converter for PCs. For more information, see Wyse Converter for PCs Administrator's guide at <a href="http://support.dell.com">support.dell.com</a> .

Issue ID	Description	Workaround
SUP-412	When you reboot the device, if you do not see <b>Configuration Apply Status</b> screen, the desktop background set using Wyse Management Suite is not preserved and the default background is displayed.	The configuration are applied when you reboot the device, then log off and log in to the device.
SUP-363	Operating system version for Windows 10 IoT Enterprise—Simplified-Chinese client is not displayed in Wyse Management Suite version 1.2 and 1.3.	Create a group of Windows 10 IoT Enterprise—Simplified-Chinese clients and deploy the package to the group.

## Build information

Table 7. Build information

File Name	Version	Build	Size (bytes)
WyseConverterforPCs.exe	2.0	2.0.0.9122	765,917,296

## White papers

The following white papers are available on the Dell Support website at [dell.com/support](https://dell.com/support) that provides additional information about the features of Wyse Converter for PCs:

- *Dell Write Filter Performance Document White paper* that provides performance comparison between Dell Write Filter and Microsoft UWF.
- *Start Layout Customization White paper* that provides information about the restricted access of application to user from Windows Start menu.
- *Factory Reset Using Wyse Converter for PCs or Standard Windows Tools White paper* that provides information about resetting the thin client to factory default settings using Microsoft Windows Recovery tools.



## 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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