



# Windows Embedded Standard Security Updates for Ransomware WannaCrypt Susceptibility Release Notes

Software releases are created to add new features, make enhancements or correct defects. These releases are tested on all current, actively shipping platforms and operating systems as applicable. The release notes contain details on the supported platforms, changes in the configuration settings and licensing details. 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 Date:** 2017-05-22

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## About this release

This release notes provides information about Windows Embedded Standard (WES) security updates for the ransomware WannaCrypt, also known as WannaCry, susceptibility, and is intended for WES customers.

## Release scope

WannaCrypt targets out-of-date Windows systems. You must update your system with the valid WES security patches to prevent the WannaCrypt ransomware attack.

# Release location

The WES security update packages are available at [Dell Wyse support site](#).

**NOTE:** To download the security update package for your Windows device, search for the security package under the corresponding platform.

## What's new in security updates

This section lists the new security packages available for the Windows devices.

### 1 KB4012212\_WES7

- This package installs **March, 2017 Security Only Quality Update for Windows Embedded Standard 7**—KB4012212. For more information about this package, go to [support.microsoft.com/kb/4012212](https://support.microsoft.com/kb/4012212).
- This package can be installed on Windows Embedded Standard 7 (WES7) builds.
- The system reboots three times during the package deployment.
- Minimum free disk space required to install this package is 57 MB.

### 2 KB4012215\_WES7

- This package installs **March, 2017 Security Monthly Quality Rollup for Windows Embedded Standard 7**—KB4012215. For more information about this package, go to [support.microsoft.com/kb/4012215](https://support.microsoft.com/kb/4012215).
- This package can be installed on Windows Embedded Standard 7 (WES7) builds.
- The system reboots three times during the package deployment.
- Minimum free space required to install this package is 267 MB.

### 3 KB4012212\_WES7P

- This package installs **March, 2017 Security Only Quality Update for Windows Embedded Standard 7 for x64-based Systems**—KB4012212. For more information about this package, go to [support.microsoft.com/kb/4012212](https://support.microsoft.com/kb/4012212).
- This package can be installed on Windows Embedded Standard 7 Professional (WES7P) builds.
- The system reboots three times during the package deployment.
- Minimum free disk space required to install this package is 100 MB.

### 4 KB4012215\_WES7P

- This package installs **March, 2017 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x64-based Systems**—KB4012215. For more information about this package, go to [support.microsoft.com/kb/4012215](https://support.microsoft.com/kb/4012215).
- This package can be installed on Windows Embedded Standard 7 Professional (WES7P) builds.
- The system reboots three times during the package deployment.
- Minimum free disk space required to install this package is 437 MB.

**NOTE:** For WES7 and WES7P platforms, if you install security update KB4012212 or KB4012215, the security fixes get installed.

### 5 KB4012598\_WE8Sx

- This package installs **Security Update for Windows 8**—KB4012598. For more information about this package, go to [support.microsoft.com/kb/4012598](https://support.microsoft.com/kb/4012598).
- This package can be installed on Windows Embedded 8 Standard x (WE8Sx) builds.
- The system reboots three times during the package deployment.
- Minimum free disk space required to install this package is 3 MB.

### 6 KB4012598\_WE8S

- This package installs **Security Update for Windows 8 for x64-based Systems**—KB4012598. For more information about this package, go to [support.microsoft.com/kb/4012598](https://support.microsoft.com/kb/4012598).
- This package can be installed on WE8S builds.



- The system reboots three times during the package deployment.
  - Minimum free disk space required to install this package is 3.5 MB.
- 7 **KB4016635\_WIE10**
- This package installs **Cumulative Update for Windows 10 Version 1607 for x64-based Systems**—KB4016635. For more information about this package, go to [support.microsoft.com/kb/4016635](https://support.microsoft.com/kb/4016635).
  - This package can be installed on Windows 10 IoT Enterprise (WIE10) builds.
  - The system reboots three times during the package deployment.
  - Minimum free disk space required to install this package is 5 GB.
- 8 **KB4012606\_WIE10**
- This package installs **Cumulative Update for Windows 10 for x64-based Systems**—KB4012606. For more information about this package, go to [support.microsoft.com/en-us/help/4012606](https://support.microsoft.com/en-us/help/4012606).
  - This package can be installed on Windows 10 IoT Enterprise (WIE10) builds.
  - The system reboots three times during the package deployment.
  - Minimum free disk space required to install this package is 4 GB.
- 9 **KB4012598\_XPeWFR3**
- This package installs **Security Update for XPe**—KB4012598.
  - This package can be installed on XPe SP3 builds.
  - The system reboots three times during the package deployment.
  - Minimum free disk space required to install this package is 5 MB.
- 10 **KB4012598\_WESWFR1WFR2WFR3**
- This package installs **Security Update for WES09**—KB4012598.
  - This package can be installed on WES 2009 builds.
  - The system reboots three times during the package deployment.
  - Minimum free disk space required to install this package is 10 MB.

## Known issue

None

## Dependencies and recommendations

Before updating the security updates using Dell Wyse Device Manager (WDM) v5.5 or later versions—v5.7, v5.7.1 and v5.7.2, Dell recommends that you update the Wyse Device Agent (WDA) or HAagent to the latest version on the client side.

## Supported platforms

The section lists the supported platforms.

**Table 1. WES7 platforms**

Platforms	Configuration	WES7 builds
Wyse 3030 thin client (3920)	16 GB Flash and 4 GB RAM	9.08 build 895
Wyse 5010 thin client with WES7 (D90D7)	16 GB Flash and 4 GB RAM	9.08 build 895
Wyse 5020 thin client with WES7 (D90Q7)	16 GB Flash and 4 GB RAM	9.08 build 895
Wyse 7010 thin client with WES7 (Z90D7)	16 GB Flash and 4 GB RAM	9.08 build 895



Platforms	Configuration	WES7 builds
Wyse 7010 Extended Chassis thin client with WES7 (Z90DE7)	16 GB Flash and 4 GB RAM	9.08 build 895
Wyse 7020 thin client with WES7 (Z90Q7)	16 GB Flash and 4 GB RAM	9.08 build 895
C90LE7	4 GB Flash and 2 GB RAM	9.03 build 827
R90L7/LE7	4 GB Flash and 2 GB RAM	9.03 build 827
X90C7	4 GB Flash and 2 GB RAM	9.03 build 830
X90M7	4 GB Flash and 2 GB RAM	9.03 build 833
Z90S7	4 GB Flash and 2 GB RAM	9.03 build 830

**Table 2. WES7P platforms**

Platforms	Configuration	WES7P SP1 MR1 builds
D90D7P	16 GB Flash and 4 GB RAM	9.04 build 896
Wyse 5020 thin client with WES7P (D90Q7P)	16 GB Flash and 4 GB RAM	9.04 build 896
Z90D7P	16 GB Flash and 4 GB RAM	9.04 build 896
Z90DE7P	16 GB Flash and 4 GB RAM	9.04 build 896
Z90S7P	N/A	N/A
Wyse 7020 thin client with WES7P (Z90Q7P)	16 GB Flash and 4 GB RAM	9.04 build 896
Wyse 7020 accelerated graphics thin client with WES7P (Z90QQ7P)	16 GB Flash and 4 GB RAM	9.04 build 896
X90M7P	8 GB Flash and 4 GB RAM	6.01 build 864

Platforms	Configurations	WES7P SP1 builds
Latitude 3460 mobile thin client	128 GB SSD Flash and 8 GB RAM	9.08 build 7055
Latitude E7270 mobile thin client	128 GB SSD Flash and 8 GB RAM	9.08 build 7055
Wyse 5060 thin client with WES7P	64 GB SSD Flash and 8 GB RAM	7038
Wyse 7040 thin client with WES7P	128 GB SSD Flash and 8 GB RAM	7020

**Table 3. WE8Sx platforms**

Platforms	Configuration	WE8Sx builds
D90D8x	16 GB Flash and 4 GB RAM	10.01 build 904
Z90D8x	16 GB Flash and 4 GB RAM	10.01 build 904



**Table 4. WE8S platforms**

Platforms	Configurations	WE8S MR2 builds
Wyse 5010 thin client with WE8S (D90D8)	16 GB Flash and 4 GB RAM	10.03 build 924
Wyse 5020 thin client with WE8S (D90Q8)	16 GB Flash and 4 GB RAM	10.03 build 924
Wyse 7010 thin client with WE8S (Z90D8)	16 GB Flash and 4 GB RAM	10.03 build 924
Wyse 7020 thin client with WE8S (Z90Q8)	16 GB Flash and 4 GB RAM	10.03 build 924

**Table 5. WIE10 Threshold platforms**

Platforms	Configuration	WIE10 MR2 builds
Wyse 5020 thin client with Win10 IoT (D90Q10)	32 GB Flash and 4 GB RAM	11.02 build 0A0F
Wyse 7020 thin client with Win10 IoT (Z90Q10)	32 GB Flash and 4 GB RAM	11.02 build 0A0F
Wyse 7020 accelerated graphics thin client with Win10 IoT (Z90QQ10)	32 GB Flash and 4 GB RAM	Build 0A25
Wyse 7040 thin client with Win10 IoT	128 GB SSD and 4 GB RAM	11.03 build 0A27

**Table 6. WIE10 Redstone platforms**

Platforms	Configurations	WIE10 builds
Wyse 5060 thin client with Win10 IoT	64 GB Flash and 8 GB RAM	12.00 build 0A44

**Table 7. XPe platforms**

Platforms	Configurations	XPe builds
C90LE	2048 MB Flash and 1024 MB RAM	6.01 build 666
R90L/LE	2048 MB Flash and 1024 MB RAM	6.01 build 665
X90L/LE	2048 MB Flash and 1024 MB RAM	6.01 build 664
V90L/LE	1024 MB Flash and 1024 MB RAM	6.01 build 673
G90	1024 MB Flash and 1024 MB RAM	6.01 build 672

**Table 8. WES 2009 platforms**

Platforms	Configurations	WES 2009 builds
C90LEW	2 GB Flash and 1 GB RAM	8.02 build 718
R90LW and R90LEW	2 GB Flash and 1 GB RAM	8.02 build 719
Z90SW/DW	2 GB Flash and 2 GB RAM	8.02 build 723
D90DW	2 GB Flash and 2 GB RAM	8.02 build 727



Platforms	Configurations	WES 2009 builds
V90LEW	2 GB Flash and 1 GB RAM	8.01 build 688
X90CW	2 GB Flash and 1 GB RAM	8.01 build 686
X90LEW	2 GB Flash and 2 GB RAM	8.01 build 687
X90MW	N/A	N/A

## Security updates

This section lists the security updates and the corresponding build details.

**Table 9. KB4012212\_WES7**

<b>Build file name</b>	KB4012212_WES7.exe
<b>Build Size (Bytes)</b>	19,861,504 bytes

**Table 10. KB4012215\_WES7**

<b>Build file name</b>	KB4012215_WES7.exe
<b>Build Size (Bytes)</b>	93,433,856 bytes

**Table 11. KB4012212\_WES7P**

<b>Build file name</b>	KB4012212_WES7P.exe
<b>Build Size (Bytes)</b>	34,926,592 bytes

**Table 12. KB4012215\_WES7P**

<b>Build file name</b>	KB4012215_WES7P.exe
<b>Build Size (Bytes)</b>	152,743,936 bytes

**Table 13. KB4012598\_WE8Sx**

<b>Build file name</b>	KB4012598_WE8Sx.exe
<b>Build Size (Bytes)</b>	1,019,904 bytes

**Table 14. KB4012598\_WE8S**

<b>Build file name</b>	KB4012598_WE8S.exe
<b>Build Size (Bytes)</b>	1,134,592 bytes

**Table 15. KB4016635\_WIE10**

<b>Build file name</b>	KB4016635_WIE10.exe
<b>Build Size (Bytes)</b>	1,114,411,008 bytes

**Table 16. KB4012606\_WIE10**

<b>Build file name</b>	KB4012606_WIE10.exe
<b>Build Size (Bytes)</b>	1,127,108,608 bytes

**Table 17. KB4012598\_XPeWFR3**

<b>Build file name</b>	KB4012598_XPeWFR3.exe
<b>Build Size (Bytes)</b>	917,504 bytes

**Table 18. KB4012598\_WESWFR1WFR2WFR3**

<b>Build file name</b>	KB4012598_WESWFR1WFR2WFR3.exe
<b>Build Size (Bytes)</b>	917,504 bytes

## Energy Star test

The following are the default values displayed in the Control Panel applet of Power options:

- Supports WOL Power off states
- Supports Idle State wake
- Screen off timer is set to 15 minutes
- Sleep timer is set to 20 minutes—only if sleep timer is supported

## System requirements

The following are the software and hardware configuration requirements to install the security update packages:

- Thin client operating system with WES 2009, XPe, WES7E, WES7P, WE8Sx, WE8S, WIE10 (Threshold), and WIE10 (Redstone) installed on a flash drive as mentioned in the [Supported platforms](#) section.
- Free space on the flash drive to install the security packages as mentioned in the [Security update packages](#) section.



# Installing packages using WDM

To install the security update packages using Dell Wyse Device Manager (WDM), do the following:

- 1 Download the **.exe** file available at [Dell Wyse support site](#).
- 2 Copy the respective security update package file (**.exe** file) to the WDM server.
- 3 Extract the **.exe** file. By default, the packages are extracted to the **C:\WDM packages** folder.
- 4 Start the WDM console.
- 5 Right-click **Other Packages** from **Package Manager** in the WDM server UI.
- 6 Select **New > Package**, and then click **Next**.
- 7 Select **Register a Package** from the script file (.rsp), and then click **Next**.
- 8 Browse and select the corresponding **.rsp** file, and then register the package.
- 9 Schedule the package to the target client.

# Installing packages using CCM

To install the security update packages using Dell Wyse Cloud Client Manager (CCM), do the following:

- 1 Download the **.exe** file available at [Dell Wyse support site](#).
- 2 Extract the downloaded **.exe** file, and copy the **.msu** file from the extracted folder to the On-Premise gateway server.
- 3 On the CCM console, navigate to **Apps & data > App Policies > Thin Client**.
- 4 Select the file that was copied to the On-Premise gateway server.
- 5 Select the Edit policy.
- 6 Select the mandatory option for the group where the file must be deployed. Devices that are available in the group get the policy. The package is deployed to the device after the job is complete.

# Installing packages using SCCM

To install the security update packages using Microsoft System Center Configuration Manager (SCCM), do the following:

- 1 Download the **.exe** file available at [Dell Wyse support site](#).
- 2 Extract the downloaded **.exe** file, and copy the **.msu** file from the extracted folder to the SCCM server.
- 3 Follow the standard SCCM MS patch deployment procedure to install the package.

