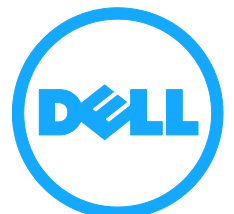


# Dell Wyse Device Manager (WDM)

**Version 5.7.1**

Maintenance and Upgrade Release Notes



# Contents

- Release Scope ..... 3
- Version..... 3
- Release Date..... 3
- Previous Version ..... 3
- Importance ..... 3
- What's New in WDM 5.7.1 ..... 4
  - New Hardware support ..... 4
  - ThreadX 5.2.1/5.2.2 Firmware Support ..... 4
  - WDA (Wyse Device Agent) 2.1 Support ..... 5
  - Feature enhancement in Web UI..... 5
  - Support for more configuration settings for WTOS through WCM..... 6
  - New HF Single Installer Support ..... 6
- Support Information ..... 6
  - Supported Operating Systems for WDM Server ..... 6
  - Supported Operating System for GUI..... 7
  - Supported Databases..... 7
  - Supported Dell Wyse Thin Client Platforms ..... 7
  - Supported EOL Dell Wyse Thin Client Platforms..... 9
  - Supported Browser Matrix ..... 10
  - HAgent or WDA Versions Incorporated in WDM..... 10
  - Boot Agent Version Incorporated in WDM 5.7.1..... 11
- Deprecated Features..... 11
- Fixed Issues..... 11
- WDM Encryption information ..... 12
- Important Notes ..... 12

## **Release Scope**

Dell Wyse Device Manager (WDM) software is the premier enterprise solution for managing Dell Wyse thin and zero clients simply, remotely, and securely. It enables IT professionals to easily organize, upgrade, control, and support thousands of Windows Embedded, Linux, Wyse ThinOS, Wyse ThinOS Lite, and ThreadX devices across any LAN, WAN, or wireless network.

The software uses industry standard communication protocols and a component-based architecture to efficiently manage your network devices. Its intuitive, simple and powerful user interface is built to operate as a standard snap-in to the Microsoft Management Console (MMC). Wyse Device Manager (WDM) includes an easy-to-use console that enables you to easily perform all the device management functions that are required to run and maintain your WDM Environment. Wyse Device Manager also provides Web UI access, where you can access WDM console using supported browser from anywhere and also you can perform all the operation from Web UI. The Web UI is user friendly and enables you to perform all the device management functions easily.

## **Version**

5.7.1 Maintenance and Upgrade Release

## **Release Date**

September 30, 2016

## **Previous Version**

WDM 5.7

## **Importance**

Dell Wyse recommends applying this update during your next scheduled update cycle. The update contains major feature enhancements or changes that help keep your software current and compatible with other modules.

# What's New in WDM 5.7.1

This section provides details on the new features added in this release.

## New Hardware support

The following new hardware are supported from WDM 5.7.1. You can discover and manage these devices. These devices have the support for English and Japanese Client OS.

Hardware	Operating System
Latitude 3460 Mobile Thin Client	WES7P
Latitude E7270 Mobile Thin Client	WES7P

**Note:** Autogenic Imaging is not supported for Latitude 3460 mobile thin client and Latitude E7270 mobile thin clients.

## ThreadX 5.2.1/5.2.2 Firmware Support

WDM 5.7.1 now comes with the full support for ThreadX 5.2.1/5.2.2. Now, you can discover, manage, and also create and deploy the configuration packages to the ThreadX 5.2.1/5.2.2 device. You can also create DDC. ThreadX 5.2.1/5.2.2 features are supported only from Web UI. You can upgrade and downgrade the ThreadX 4.x to ThreadX 5.2.1/5.2.2 firmware and vice versa.

ThreadX 5.x is an enterprise feature. This option will not be available in the Workgroup installation.

To create a configuration package for ThreadX device, one utility is provided for both ThreadX 4.x and ThreadX 5.x firmware. You have to select the firmware versions and create the configuration package.

Supported Operating System for ThreadX 5.x
Windows Server 2012 R2 Standard
Windows Server 2012 Standard

**Note:**

- ThreadX 5.x devices can be managed only from Web UI.
- Right click PCoIP device configuration and default PCoIP device configurations are not supported for ThreadX 5.x

## WDA (Wyse Device Agent) 2.1 Support

WDM 5.7.1 now supports unified agent WDA 2.1. WDA 2.1 is available as default packages in WDM and is integrated in WDM. You can upgrade the devices having HAgent to WDA 2.1, but downgrading to HAgent from WDA is not supported.

### Note:

- Default HAgent packages for WDA supported OS is not available in WDM (WE8S, WIE10, WES7, WES7P)
- OS which doesn't support WDA will have HAgent Packages by default (WES, XPE, SUSE, ThinLinux)

### WDA Supported Matrix

Operating System	WDA 2.1 Version
WE8S	12.1.0.19
WIE10	12.1.0.19
WES7	12.1.0.19
WES7P	12.1.0.19

## Feature enhancement in Web UI

The following new features are supported from WDM 5.7.1 Web UI:

### Reports

The following new reports are available in WDM Web UI along with the Log reports. You can generate and save the reports and also we can view the reports whenever required.

- Application Reports – This enables you to create a report for listing the devices that have specific software installed and version selected by you.
- Remote Session – The remote session report provides remote session connection information on all the devices.

### Unlicensed Device Page

In WDM 5.7.1, if the devices discovered or added manually exceeds the limit of available license in the WDM server, then the devices are listed in the unlicensed devices page. Whenever the administrator adds an extra license or deletes some of the devices in the Device Manager, you can add the devices from the unlicensed devices page to the **Devices** page to manage the devices.

The devices added using import utility are added to the **Devices** page irrespective of the license available.

The unlicensed devices page contains only 500 unmanaged device details.

### Extend Evaluation

Now WDM user can extend the WDM trial license period from 30 days to 60 days from Web UI. When the trial period for 30 days is going to expire in another 1 day, a notification message will be available to you. Now you have to navigate to the

**License** page and click on **Extend License** option. If you click on the option provided, then the license is extended to another 30 days.

### **Help file**

Help file for Web UI is available in PDF format. You can download pdf file by clicking the **Help** option.

### **Support of Remote Shadow from Web UI**

You can access the device remotely from Web UI using VNC.

## **Support for more configuration settings for WTOS through WCM**

The following new settings are supported:

- Support for Keyboard settings
- Support for more VDI settings
- Support for Dual monitor settings
- Support for Time zone settings

## **New HF Single Installer Support**

Now, WDM 5.7.1 comes with a single installer, which can be used to upgrade on Enterprise and workgroup version. ThreadX 5.x components are installed by default if ThreadX 4.x exists.

# **Support Information**

## **Supported Operating Systems for WDM Server**

- Windows Server 2008 R2 SP1 Enterprise Edition
- Windows 2008 SP2 32-bit (only for upgrades from WDM 4.9.1 + WDM 5.0+WDM 5.5+WDM 5.7+WDM 5.7.1)
- Windows Server 2012 Standard
- Windows Server 2012 Standard R2
- Windows 7 SP1 (32-bit) Enterprise
- Windows 7 SP1 (64-bit) Enterprise

Localization support is provided only in Windows 2008 R2 SP1 Enterprise Edition and Windows 2012 Standard R2 in the following languages:

- French
- German
- Spanish
- Japanese

- Simplified Chinese

## Supported Operating System for GUI

WDM Enterprise edition customers can install the GUI on one or more computers. The WDM GUI can be installed on the following operating systems:

- Windows 2008 SP2 32-bit (Upgrade installation only)
- Windows Server 2008 R2 SP1 Enterprise
- Windows Server 2012 Standard
- Windows Server 2012 Standard R2
- Windows 7 SP1 (32-bit) Enterprise
- Windows 7 SP1 (64-bit) Enterprise

Localization support is provided only in Windows 2008 R2 SP1 Enterprise Edition and Windows 2012 Standard R2 in the following languages:

- French
- German
- Spanish
- Japanese
- Simplified Chinese

**Note:** Localized characters cannot be used as file name for the following:

- .rsp packages
- Hostname of WDM Server
- Send messages
- Configuration packages

## Supported Databases

The following databases can be installed on the Database Server:

- Microsoft SQL Server 2008
- Microsoft SQL Server 2008 R2 - English
- Microsoft SQL Server 2008 R2 Express – English (default, built-in option in Installer)
- Microsoft SQL Server 2012
- Microsoft SQL Server 2008 Enterprise (32 -bit).

## Supported Dell Wyse Thin Client Platforms

WDM supports the following thin client systems:

Thin Client Operating System	Supported Devices
Wyse ThinOS	3010

	3020 5010 5040 3030 LT
Wyse ThinOS PCoIP	5010 5040
Wyse Enhanced Microsoft Windows Embedded Standard 7 (WES7)	3030 5010 5020 7010 7010 extended chassis 7020 X90m7
Wyse Enhanced Microsoft Windows Embedded Standard 7P (WES7P)	5020 7010 Wyse 7010 extended chassis 7020 7040 X90m7p Latitude 3460 mobile thin client Latitude E7270 mobile thin client
Wyse Enhanced Microsoft Windows Embedded 8 Standard (64-bit) (WE8S)	5010 5020 7010 7020
Windows 10 IoT Enterprise (64-bit) (WIE10)	5020 7020
Wyse Enhanced SUSE Linux Enterprise	5010 5020 X50M 7010 7020
Wyse Enhanced Ubuntu Linux	3010
Wyse ThinOS Lite (Wyse Xenith)	3010 3020



	5010
ThreadX / View Zero Client	5030 5050 AIO 7030
ThinLinux	3030 LT 5020 7020

## Supported EOL Dell Wyse Thin Client Platforms

WDM supports the following thin client systems and sanity testing has been performed on these platforms.

Thin Client Operating System	Supported Devices
Wyse ThinOS	C10LE R10L
Wyse Enhanced Microsoft Windows Embedded Standard 2009 (WES2009)	C90LEW 5010 R90LW R90LEW V90LEW X90CW X90MW 7010 Z90SW
Wyse Enhanced Microsoft Windows Embedded Standard 7 (WES7) build 818 or later	C90LE7 R90L7 R90LE7 X90c7 Z90S7 Z90S7P
Wyse Enhanced Microsoft Windows Embedded 8 Standard (32-bit)(WE8S)	5010 7010 Z90D8E
Windows XPE	C90LE R90L

	R90LE X90 X90c
Wyse Enhanced SUSE Linux Enterprise	C50LE R50L R50LE X50c Z50S
Wyse ThinOS Lite (Wyse Xenith)	C00X R00X
ThreadX / View Zero Client	P20

## Supported Browser Matrix

Browsers	Version
Internet Explorer	IE11
Google Chrome	Chrome V40 and above
Mozilla Firefox	Firefox Version 30 and above

## HAgent or WDA Versions Incorporated in WDM

The following tables lists the HAgent / WDA versions incorporated in WDM:

Operating System	HAgent or WDA Version
Windows Embedded 8 Standard (WE8S) – 64 bit	12.1.0.19
Windows Embedded Standard 7 (WES7)	12.1.0.19
Windows Embedded Standard 7 P (WES7P)	12.1.0.19
Windows 10 IoT Enterprise (WIE10)	12.1.0.19
Windows XPE	5.2.0.32
Windows Embedded Standard 2009 (WES2009)	5.2.1.30
SUSE Linux	5.3.09 (SP2), 5.3.11 (SP3), 5.0.69 (SP1V2), 4.2.0 (SP1)

Ubuntu	5.0.39
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## Boot Agent Version Incorporated in WDM 5.7.1

Operating System	Boot Agent Version
Windows Embedded Standard	3.3.9
Windows Embedded Standard 7	3.3.9
Windows Embedded Standard 7 P	3.3.9
Windows Embedded 8 Standard 32 bit	3.3.9
Windows Embedded 8 Standard 64 bit	3.3.9
Windows 10 IoT Enterprise	3.3.9
SUSE Linux	3.3.9

## Deprecated Features

The following features are deprecated in WDM 5.7.1

- Default Windows Embedded 8 Standard (WE8S) – 32 bit HAgent packages are not available in WDM 5.7.1.

## Fixed Issues

CIR Number	Issue Description
86603	J&J - WDM 5.5 - Specific to PCoIP Device Configurations, cannot add Reboot into the DDC package sequence.
86157	WDM 5.5: T50 cannot be imaged with WDM.
84417	Security Concerns - Altering configurations in IIS
85363	Dell Wyse Case # 2857932 - WDM 5.0 E - Scheduled recurring task doesnot recognize daylight savings, runs standard time

## WDM Encryption information

Application	Security Component	Algorithms
WDM HAGENT	AES	AES-128
HTTPS	TLS 1.0/SSL 3.0	See Table II
Component	Description	Algorithms
TLS 1.0/SSL 3.0	SSL (Secure Socket Layer): provides Strong encryption to increase privacy of your ICA connections and certificate-based Server authentication to ensure the server you are connecting to is a genuine server	RSA (512bit/1024/2048bit) MD5(128 bit) SHA-1(160 bit) PKCS#12, PKCS#7
	TLS (Transport Layer Secure): the latest, standardized version of the SSL protocol	

## Important Notes

### Pre-installation Check List

Before you start the installation of WDM 5.7.1, do the following:

- Prior to the start of the installation, ensure that all scheduled packages are completed. This is required to ensure that no device-specific updates are pending while a WDM upgrade is in progress.
- Make sure that all the WDM GUI instances that are running locally or remotely are closed prior to starting the upgrade.
- Prior to the installation make sure that all local and remote connections to the WDM server are closed and all WDM GUI sessions are closed when the hotfix installation is in progress.

**Note:** You cannot uninstall this version after you install it.

### Steps to Install WDM 5.7.1 on a Distributed Environment

If you are having a distributed setup where all the WDM components are installed on separate systems, then make sure to install on the following components:

- WDM Server
- One or more WDM GUI Consoles
- WDM Web GUI
- One or more Remote Software Repositories
- WDM Master Software Repository
- You do not need to install on the WDM Database as this gets updated when you run the hotfix on the WDM Server.

To install the hotfix, do the following:

- 1) Extract the installer file in a suitable folder location.
- 2) Run the `Setup.exe` file from the folder.
- 3) After the installation is completed, confirm the installation by launching the WDM console by right-clicking on the **WyseDeviceManager** node under Console Root, and selecting **About Dell Wyse Device Manager** option.

**Note:** You cannot run the 5.7.1 Installer from a Network Shared folder.

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