

Dell Wyse Device Manager v5.7.3 Release Notes

Current Version: 5.7.3

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Topics:

- [Release type and definition](#)
- [What's new in WDM v5.7.3](#)
- [Support information](#)
- [WDM features by platform](#)
- [Supported Operating Systems for WDM server](#)
- [Supported Operating Systems for upgrade](#)
- [Supported databases](#)
- [Supported Dell Wyse thin client platforms](#)
- [Supported EOL Dell Wyse thin client platforms](#)
- [Upgrading WDM](#)
- [WCM supported matrix for different operating system](#)
- [WDA Agent versions incorporated in WDM](#)
- [Boot Agent version incorporated in WDM 5.7.3](#)
- [Versions of thin client Operating Systems preferred for WDM 5.7.3 features](#)
- [Deprecated features](#)
- [WDM 5.7.3 supported agent list validation for Windows](#)
- [WDM 5.7.3 supported build and agent list for SUSE Linux](#)
- [WDM 5.7.3 supported build for ThinOS](#)
- [CIR fixes](#)
- [Known issues](#)

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

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, ThinLinux, Wyse ThinOS, Wyse ThinOs Lite, and P-Class 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 using WEB UI. Dell 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. The Web UI is user friendly and enables you to perform all the device management functions easily.

What's new in WDM v5.7.3

The following are the new features in this release:

- Microsoft Windows Server 2016
- Database SQL 2016 Express SP1 is bundled as part of Installer
- Database SQL 2014 Enterprise

- Database SQL 2016 Enterprise
- Custom Database/Instance name
- Database Manual scripts v5.7.3
- High Availability for Web user interface
- Tool for supporting multiple RSPs
- Unified Agent 14.x
- Latest Boot Agent is integrated
- ThreadX new 5.x firmware support
- Support for ThinLinux v2.0
- Support for NTLMv2 Level 5

Support information

WDM features by platform

This section provides high-level details on features available for supported platforms

Table 1. WDM features by platform

WDM Features	Workgroup edition	Enterprise edition	Windows Embedded	WYSE ThinOS Xenith	Linux	ThreadX
Managed devices	Free, up to 10,000	Paid, per-seat, tens of 000's	WE8S, WES7, WES7P, WIE10	Yes	SUSE, Ubuntu, ThinLinux 1.0, ThinLinux 2.0	ThreadX 4.x and 5.x
CIFS (Windows File Share) software repository	√	√	WE8S, WES7, WIE10, WES7P	Yes	SUSE, ThinLinux 1.0, ThinLinux 2.0	
Default HTTPS mode for Secure Management	√	√	Yes	Yes	Yes	
Relay Wake-on-LAN (WoL)	√	√	WE8S, WES7, WES7P, WIE10	Yes	SUSE, ThinLinux 1.0, ThinLinux 2.0	
Chargeback Accounting	√	√	WE8S, WES7, WIE10, WES7P	Yes	SUSE, ThinLinux 1.0, ThinLinux 2.0	Yes
Enhanced End-user Notification of updates	√	√	WE8S, WES7, WIE10, WES7P		SUSE, ThinLinux 1.0, ThinLinux 2.0	
Reset OS Configuration	√	√		Yes	SUSE, ThinLinux 1.0, ThinLinux 2.0	
SQL authentication: Mixed and Windows mode	√	√				
Windows configuration Manager	√	√	WE8S, WES7, WES7P, WIE10	Yes	SUSE, ThinLinux 1.0, ThinLinux 2.0	

WDM Features	Workgroup edition	Enterprise edition	Windows Embedded	WYSE ThinOS Xenith	Linux	ThreadX
Profile Manager	√	√	WE8S, WES7, WES7P, WIE10	Yes	SUSE, ThinLinux 1.0, ThinLinux 2.0	
Web UI Support	√	√				
Web API	√	√				
New Settings ThreadX Devices (VMware, Imprivata, Security level)	√	√				ThreadX 5.x
Load Balancing Support for ThreadX 5.x		√				Yes
Certificate Tracker		√				
High Availability (HA)		√				
Peer Assisted Deployment (PAD)		√	WES7, WES7P, WE8S, WIE10		SUSE, ThinLinux	
Administrator Delegation (from Active Directory) and Role-based Management for Groups and Views		√				
Smart Scheduling by Time Zone (of device, WDM UI, WDM server)		√				
Automated Profile-based Device Management (DDC)		√	All platforms			
Distributed Architecture for Scalability	Single server	Distributed				
Maximum Simultaneous Updates	250	500				
Asset Grouping	3 Groups	90 Groups				
Sleep Status	√	√	Yes			

WDM Features	Workgroup edition	Enterprise edition	Windows Embedded	WYSE ThinOS Xenith	Linux	ThreadX
Unmanaged Device for exceeding the License	√	√	Yes	Yes	Yes	
60GB Hard disk Imaging Support	√	√	WE8S, WES7P			
License Extending up to 60 Days		√				
Alerts and Events	√	√				

NOTE:

- Platform specific features of WDM 5.7.3 requires the latest released WDM agents and OS/firmware on the devices.

Supported Operating Systems for WDM server

- Windows Server 2008 R2 SP1 Enterprise Edition
- Windows Server 2016
- Windows Server 2012 Standard R2
- Windows Server 2012 Standard
- Windows 7 SP1 (64-bit) Enterprise

Localization support is provided only in Windows 2008 R2 SP1 Enterprise Edition, Windows Server 2016 and Windows 2012 Standard R2 in the following languages:

- French
- German
- Spanish
- Japanese
- Simplified Chinese
- Traditional Chinese

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

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

Supported Operating Systems for upgrade

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

Supported databases

The following databases can be installed on the Database Server:

- Microsoft SQL Server 2008

- Microsoft SQL Server 2016 Express SP1 – English (default, bundled as part of Installer)
- Microsoft SQL Server 2012/2016 Enterprise for High Availability
- Microsoft SQL Server 2012
- Microsoft SQL Server 2008 R2
- Microsoft SQL Server 2014
- Microsoft SQL Server 2016

Supported Dell Wyse thin client platforms

WDM supports the following thin client systems:

Table 2. Thin Client platform details

Thin Client Operating System	Supported Devices
Wyse ThinOS	<ul style="list-style-type: none"> • Wyse 3010 Thin Client with ThinOS—T10 • Wyse 3020 thin client with ThinOS—T10D • Wyse 5010 thin client with ThinOS—D10D • Wyse 3040 thin client with ThinOS—T10D • Wyse 5040 AIO thin client (5212) • Wyse 3030 LT thin client with ThinOS • Wyse 5060 thin client with ThinOS • Wyse 7010 thin client with ThinOS—Z10D
Wyse ThinOS with PColP	<ul style="list-style-type: none"> • Wyse 5010 thin client with PColP—D10DP • Wyse 3030 LT with PColP • Wyse 5060 thin client with PColP • Wyse 7010 thin client with PColP • Wyse 5040 AIO thin client with PColP • Wyse 3040 thin client with PColP
Wyse Enhanced Microsoft Windows Embedded Standard 7—WES7	<ul style="list-style-type: none"> • Latitude 3460 Mobile Thin Client • Wyse 3030 thin client with WES7 • Wyse 5010 thin client with WES7—D90D7 • Wyse 5020 thin client with WES7—D90Q7 • Wyse 7010 thin client with WES7—Z90D7 • Wyse 7020 thin client with WES7—Z90Q7 • Wyse 7040 thin client with WES7—Z90D7 • Wyse 7010 Extended Chassis thin client with WES7—Z90DE7
Wyse Enhanced Microsoft Windows Embedded Standard 7P—WES7P	<ul style="list-style-type: none"> • Wyse 5010 thin client with WES7P—D90D7P • Wyse 7010 thin client with WES7P—Z90D7P • Wyse 7010 Extended Chassis thin client with WES7P—Z90DE7P • Wyse 5020 thin client with WES7P—D90Q7P • Wyse 7020 thin client with WES7P—Z90Q7P • Wyse 7040 thin client • Wyse 5060 thin client • Latitude E7270 Mobile Thin Client • Latitude 3460 Mobile Thin Client
Wyse Enhanced Microsoft Windows Embedded 8 Standard (64-bit)—WE8S	<ul style="list-style-type: none"> • Wyse 5010 thin client with WE8S—D90D8 • Wyse 5020 thin client with WE8S—D90Q8 • Wyse 7010 thin client with WE8S—Z90D8 • Wyse 7020 thin client with WE8S—Z90Q8
Windows 10 IoT Enterprise (64-bit)—WIE10	<ul style="list-style-type: none"> • Wyse 5020 thin client with Win10 IoT—D90Q10 • Wyse 7020 thin client with Win10 IoT—Z90Q10

Thin Client Operating System	Supported Devices
	<ul style="list-style-type: none"> Wyse 7040 thin client
Wyse Enhanced SUSE Linux Enterprise	<ul style="list-style-type: none"> Wyse 5010 thin client with Linux Wyse 5020 thin client with Linux Wyse 7010 thin client with Linux Wyse 7020 thin client with Linux
Wyse ThinOS Lite—Wyse Xenith	<ul style="list-style-type: none"> Wyse 3010 zero client for Citrix—T00X Wyse 3020 zero client for Citrix—T00DX Wyse 5010 zero client for Citrix—D00DX
Teradici / View Zero Client	<ul style="list-style-type: none"> Wyse 5030 zero client for VMware Wyse 7030 zero client for VMware Wyse 5050 AIO thin client with PCoIP
ThinLinux	<ul style="list-style-type: none"> Wyse 3030 LT thin client with ThinLinux Wyse 7020 thin client with ThinLinux Wyse 5020 thin client with ThinLinux Wyse 3040 thin client with ThinLinux
ThinLinux 2.0	<ul style="list-style-type: none"> Wyse 3040 thin client with ThinLinux

Supported EOL Dell Wyse thin client platforms

WDM supports the following thin client systems and sanity testing is performed on these platforms:

Table 3. EOL thin client platform details

Thin Client Operating System	Supported Devices
Wyse ThinOS	<ul style="list-style-type: none"> C10LE R10L
Wyse Enhanced Microsoft Windows Embedded Standard 7 (WES7)	<ul style="list-style-type: none"> C90LE7 R90L7 R90LE7 X90c7 X90m7 Z90s7
Wyse Enhanced Microsoft Windows Embedded Standard 7P (WES7P)	<ul style="list-style-type: none"> X90m7P
Wyse Enhanced Microsoft Windows Embedded 8 Standard (32-bit) (WE8S)	<ul style="list-style-type: none"> Wyse 5010 thin client with WE8S Wyse 7010 thin client with WE8S Z90D8E
Wyse Enhanced SUSE Linux Enterprise	<ul style="list-style-type: none"> C50LE R50L R50LE X50c X50m
Wyse ThinOS Lite (Wyse Xenith)	<ul style="list-style-type: none"> C00X R00X
Teradici / View Zero Client	<ul style="list-style-type: none"> P20

Thin Client Operating System	Supported Devices
Wyse Enhanced Ubuntu Linux	· Wyse 3010 thin client with Linux

Upgrading WDM

This version of WDM supports upgrade from WDM 5.7.2 and WDM 5.7.2 GA hotfix/ WDM 5.7.2 MR1 hotfix. If you have earlier version of WDM, you must first upgrade to either version 5.7.2 or WDM 5.7.2 GA hotfix/ WDM 5.7.2 MR1 hotfix, and then upgrade to the latest version. After you upgrade to WDM version 5.7.3, you must upgrade all devices with the latest WDA Agent / WDM HAgent packages available to make sure you can use latest WDM features.

To upgrade to WDM version 5.7.3, do the following:

1. Extract the contents of the WDM installer on the system where you have installed WDM version 5.7.2 or WDM 5.7.2 GA hotfix/ WDM 5.7.2 MR1 hotfix.
2. Navigate to the folder where you have extracted the installer and run `Setup.exe` as Administrator.

The Welcome screen is displayed.

3. Click **Next**

The **Component Information** screen is displayed with the list of components that need to be upgraded.

4. Click **Next**.

5. Read the Information carefully and the click **Next**

The upgrade process begins.

6. After the upgrade process is complete, click Restart Now for the system changes to take effect before you start using WDM.

NOTE: After you upgrade to WDM 5.7.3 before reboot, if you do not find the installation log files in the installation folder, then navigate to the user temp folder by typing `%temp%` in the Start menu, and view the log files (`Detail_WDMInstall.log` and `Summary_WDMInstall.log`). After reboot logs file is available in the installation folder.

WCM supported matrix for different operating system

Table 4. WCM supported matrix details

	ThinOS	ThinOS PCoIP	Wyse ThinOS Lite	Windows 10 IoT Enterprise	Windows Embedded 8 Standard	Windows Embedded 7/ Windows Embedded 7P	SUSE Linux	Wyse ThinLinux
Features								
Connections								
RDP Connections	√	√	√	√	√	√	√	√
VMware View Connections				√	√	√	√	√
Citrix Connections	√	√	√	√	√	√	√	√
vWorkspace Connections				√	√	√		
Broker Server Details								
Citrix	√	√	√					

	ThinOS	ThinOS PCoIP	Wyse ThinOS Lite	Windows 10 IoT Enterprise	Windows Embedded 8 Standard	Windows Embedded 7/ Windows Embedded 7P	SUSE Linux	Wyse ThinLinux
Microsoft	√	√	√					
VMware	√	√	√					
vWorkspace	√	√	√					
VDI Global Settings								
Session	√	√	√					
Citrix	√	√	√				√	√
RDP	√	√	√					
VMware							√	√
Printers								
Printer Global Settings	√	√						
Add Printer	√	√						
Network Settings								
WLAN Global Settings	√	√						
WLAN Connections	√	√						
ENETIEEE 802.1x settings	√							
Device Configuration								
Display	√	√	√	√	√	√	√	√
Peripherals	√	√					√	√
Time zone	√	√	√	√	√	√	√	√
Security	√	√	√				√	√
Mouse				√	√	√		
Keyboard				√	√	√		
Wireless				√	√	√	√	√
Audio				√	√	√		
Power				√	√	√		
Login Credentials							√	√

	ThinOS	ThinOS PCoIP	Wyse ThinOS Lite	Windows 10 IoT Enterprise	Windows Embedded 8 Standard	Windows Embedded 7/ Windows Embedded 7P	SUSE Linux	Wyse ThinLinux
Other Settings (Power, Locale, WDM Service, Scheduled Shutdown/ Reboot)	√	√						
Broker Authentication Settings	√	√						
VNC Settings	√	√						
ini Settings	√	√						
OS Configuration								
Firmware Upgrade	√	√	√				√	√
Browser, Firewall				√	√	√	√	√
Clocks				√	√	√		
Other Settings				√	√	√		

WDA Agent versions incorporated in WDM

Table 5. WDA agent versions

Operating System	WDM / WDA Agent Version
Windows Embedded 8 Standard (WE8S) – 64 bit	14.1.1.3
Windows Embedded Standard 7 (WES7)	14.1.1.3
Windows Embedded Standard 7 P (WES7P)	14.1.1.3
Windows 10 (WIE10)	14.1.1.3
ThinLinux 1.0	5.4.47
ThinLinux 2.0	5.4.54
SUSE Linux	5.3.07 (SP2), 5.5.38 (SP3)
Ubuntu	5.0.39

Boot Agent version incorporated in WDM 5.7.3

Table 6. Boot agent version details

Operating System	Boot Agent Version
Windows Embedded Standard 7	3.7.6
Windows Embedded Standard 7P	3.7.6
Windows Embedded 8 Standard 64 bit	3.7.6
Windows 10 IoT Enterprise	3.7.6
SUSE Linux	3.7.6
ThinLinux 1.0	3.7.6
ThinLinux 2.0	3.7.6

Versions of thin client Operating Systems preferred for WDM 5.7.3 features

Table 7. Operating system versions on thin client

Operating System	WDM Agent Version	Operating System Image Version
Windows Embedded 8 Standard (WE8S) – 64 bit	14.1.1.3	924
Windows Embedded Standard 7 (WES7)	14.1.1.3	895
Windows Embedded Standard 7 P (WES7P)	14.1.1.3	896 7040_7020_32GB 5060_7038_64GB
Windows 10 (WIE10)	14.1.1.3	GOGO_0A0F_32GB
SUSE Linux	5.5.38	MR7 Build 11.03.106
Ubuntu	5.0.39	2012020203-0_U-1.041_T50
ThinOS	4.0.42	8.4_005.54
ThreadX OS	NA	5030, 7030, and 5050 Firmware version – 5_5@46605.a7e547e.6708290
ThinLinux 1.0	5.4.47-00.02	1.0.3
ThinLinux 2.0	5.4.54	2.0.14.31318

NOTE: The operating system Image Version on the thin client devices may not have the latest WDM/WDA Agent version installed. Ensure that you update the WDM/WDA agent with the latest version.

Deprecated features

The following features are deprecated in WDM 5.7.3:

- SQL Express 2016 SP1 on Windows Server 2008 R2 SP1
- Installation on Microsoft Windows 7, 32-bit

WDM 5.7.3 supported agent list validation for Windows

Table 8. Supported agent list details

	Description	14.1.1.3
Check-in	Device check-in in WDM server	√
Real Time commands	Refresh Device information	√
	Change Device information	√
	Reboot	√
	Shutdown	√
	WOL	√
	Send Message	√
Package Deployment	Reboot	√
	Shutdown	√
	WOL	√
	Agent Upgrade	√
Asset Information	Sleep Status	√

WDM 5.7.3 supported build and agent list for SUSE Linux

Table 9. Supported build agent list details

	Description	(112062) (5.3.09)	(112092) (113092) (5.3.28)	(113106) (5.5.37)	(113110) (5.5.38)
Check-in	Device check-in in WDM server	√	√	√	√
Real Time commands	Refresh Device information	√	√	√	√
	Change Device information	√	√	√	√
	Change Network information	√	√	√	√

	Description	(112062) (5.3.09)	(112092) (113092) (5.3.28)	(113106) (5.5.37)	(113110) (5.5.38)
	Reboot	✓	✓	✓	✓
	Shutdown	✓	✓	✓	✓
	WOL	✓	✓	✓	✓
	Send Message	NA	NA	✓	✓
Package Deployment	Reboot	✓	✓	✓	✓
	Shutdown	✓	✓	✓	✓
	WOL	✓	✓	✓	✓
	WDM Agent Upgrade	✓	✓	NA	NA
Auto Discovery	WDM 5.7.3	✓	✓	✓	✓

WDM 5.7.3 supported build for ThinOS

Table 10. Build details for ThinOS

	ThinOS	8.3_011	8.4_001.52	8.4_003.53	8.4_005.54
	WDM Agent				
Check-in	Device check-in in WDM server	✓	✓	✓	✓
Real Time commands	Refresh Device information	✓	✓	✓	✓
	Change Device information	✓	✓	✓	✓
	Reboot	✓	✓	✓	✓
	Shutdown	✓	✓	✓	✓
	WOL	✓	✓	✓	✓
	Send Message	NA	NA	✓	✓

CIR fixes

Table 11. CIR issues

CIR #	Issue Description
CIR 80464	WDM v5.7.2 not getting installed with a different database name.
CIR 93115	WDM sends default path instead of ddc path on first boot.
CIR 92712	High availability for WDM Web UI.

CIR #	Issue Description
CIR 92388	Grouping of devices: Limited user can group unassigned devices to groups not visible for the user.
CIR 93063	In WDM v5.7.2 Web UI, the device list is limited to 30 devices per page.
CIR 90308	In ThinOS - WDM, it reverts to default path on system reboot.
CIR 88227	DDC and profile manager must be disabled manually, before you upgrade to the latest version.
CIR 92754	WDM not reporting complete list of installed QFEs for Windows devices.
CIR 92363	Wake on LAN package will remain in Scheduled Packages.
CIR 91578	The <code>Autoconnect</code> parameter is automatically changed when deploying VMware view custom package.
CIR 93059	WDM QFE reporting truncating after 2048 characters.
CIR 89969	View connection (WDM-Json) requires a user name and password for Windows 10 Enterprise.
CIR 92217	WDM/WCM - Cannot add multiple devices in vUSB settings (force Redirect/local) for ThinOS.
CIR 92891	Empty Custom Group is not displayed on the Web UI.
CIR 86091	Addition of an index on the ClienttBroker table is needed to prevent deadlocks of RapportDB in SQL.
CIR 91471	There is no option to clear alerts/events.
CIR 92393	Support for SQL 2016 Server.
CIR 92337	Support for Server 2016 and drop of 32-bit operating system.
CIR 93033	Import Tool for multiple RSP packages.
CIR 94107	Hardcoded Private Key – Exxon/Mobil.
CIR 94108	Encryption key and Initialization Vector are identical – Exxon/Mobil.
CIR 89067	ThinOS to identify the locally attached monitor(s) information to WDM.
CIR 92595	NTLMv2 Level 5 support for WDM.
CIR 92575	WDM tries to store logs on read only repository server for the units assigned.
CIR 89062	WDM to report locally attached USB Devices reported from ThinOS.
CIR 85216	Using WCM to provide receiver credentials.

Known issues

Table 12. Known issues

Issue Description
In domain when tried to launch WDM web page, the URL consists only Hostname not the Fully Qualified Domain Name (FQDN).
WDM 5.7.3 : WDM API Servers details are displayed out of the page border in dashboard when user has more than 2 API servers.

Issue Description
WDM 5.7.3 : Size of the pulled image for SUSE Linux client is displaying incorrect in WDM WEB UI.
The details of USB Devices and Monitors connected to WTOS thin clients are not displayed in WDM Web UI.
Importing devices for the first time using files is failed through "WDM Common Utilities" and the error logs are displayed in Chinese.
Texts and Buttons are overlapped in "WDM Common Utilities Extractor" and "WDM package registration utility".
"Unified Utilities for WDM" pop-up window contains Chinese string.
WDM installer welcome page contains Chinese strings
In repository creation window of WDM installer, the data/credentials entered for existing user is reflected even for new user creation text-fields, when switched from existing user radio button to create new user radio button.
WDM 5.7.3 : - Disk details are not displayed on asset information of WDM for Thin Linux 2.0 SanBernardino devices.
WDM installer UI screens are cropped when tried to install on Win2k12 R2 english OS and user will not be able select the option available in the UI.
WDM5.7.3: Intermittently : After installing WDM with SQL express,user is not able to login to WDM WEB UI
WCM-Configurations applied prior on a client, are getting applied repetitively to same client, even when the device is unregistered from the client.
Creating the new repository user using same username and password of already existing local user is not validated while installing WDM installer and FTP connection test for that user is failed.
WDM version mismatch in the release notes which is accessed through Installer's (What's New in WDM 5.7.3)
WDM Web page contains Chinese strings.
WDM 5.7.3 : "Send Message" icon and in "More" button all the options are not available for Windows or Linux devices when unchecking the Threadx device
WDM 5.7.3: Whenever there is more content in the Web UI notification, then the "close" word and content are getting overlapped.
WDM 5.7.3: DDC is not getting executed for ThinOS Lite operating system.

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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