



Dell Wyse ThinOS Version 8.3.2

Release Notes

Dell Wyse ThinOS software is designed to run on a broad array of Dell Wyse hardware platforms. New releases are created to support new hardware platforms, correct defects, make enhancements, or add new features. These releases are tested and supported on current, actively shipping hardware platforms, and those hardware platforms that are within their first year after their official End of Life date. Beyond the one year time period, new software releases are no longer certified for use with the older hardware, even though it is possible that they may still work. This allows us to advance our product with features and functions that might not have been supported by the previous hardware, with previous generation CPUs and supporting components.

Current Version: 8.3.2
Release Date: 2017-03-28
Previous Version: 8.3.1

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Client software licensing and maintenance options

Dell Wyse thin client software maintenance is required to receive new versions of thin client software and subsequent releases of corresponding documentation and tools. Use of this software on more than one device requires you to first purchase the additional copies of, or licenses to, the software from Dell Wyse.

Supported platforms

The following table lists the newly supported platforms:

Table 1. Supported platforms

Platform	Flash/RAM
Wyse 3040 thin client with ThinOS	8G / 2G
Wyse 3040 thin client with PCoIP	

New features

ThinOS 8.3.2 release is intended to support a new platform— Wyse 3040 thin client. A few updates to the existing features or new enhancements are included in this release.

- Monitor resolutions
- Package versions

Supported monitor resolutions

The following are the list of tested monitor resolutions supported for Wyse 3040 thin client:

Table 2. Supported monitor resolutions

640 x 480
800 x 600
1024 x 768
1152 x 864
1280 x 720
1280 x 768
1280 x 800
1280 x 1024
1360 x 768
1366 x 768
1368 x 768
1400 x 1050
1440 x 900
1600 x 900
1600 x 1200
1680 x 1050
1920 x 1080
1920 x 1200
2048 x 1152



2048 x 1280
2560 x 1080
2560 x 1440
2560 x 1600

NOTE: Wyse 3040 thin client does not support 4K resolution.

Package versions

The following table lists the packages and the versions supported in this release:

Table 3. Package versions

Package	Version
RTME	1.19
FR	1.16
TCX	1.10

NOTE: RTME pkg 1.19 is for RTME 2.1.2.

Limitations of ICA Supercodec

ICA Supercodec is disabled automatically if the resolution is greater than 1920 x 1200, and under the Event log, **System resolution exceeds hardware limitation (1920 x 1200), disable Supercodec** is printed.

INI parameters

The ThinOS v8.3.2 release contains the following newly added INI parameters:

Table 4. INI parameters

Parameter	Description						
PRIVILEGE=[None, Low, High]	PRIVILEGE parameter controls the operator access to Thin appliance resources as show below:						
[LockDown={yes, no}]	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Operator privileges</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>The System Setup selection on the desktop menu is disabled and the Setup submenu can not be displayed.</td> </tr> <tr> <td></td> <td>The Connect Manager, Dialup Manager and PPTP manager dialog boxes are disabled.</td> </tr> </tbody> </table>	Parameter	Operator privileges	None	The System Setup selection on the desktop menu is disabled and the Setup submenu can not be displayed.		The Connect Manager, Dialup Manager and PPTP manager dialog boxes are disabled.
Parameter		Operator privileges					
None		The System Setup selection on the desktop menu is disabled and the Setup submenu can not be displayed.					
		The Connect Manager, Dialup Manager and PPTP manager dialog boxes are disabled.					
[HideSysInfo={yes, no}]							
[HidePPP={yes, no}]							
[HidePN={yes, no}]							
[HideConnectionManager={yes, no}]							



Parameter	Description																									
[EnableNetworkTest={yes, no}]	Parameter	Operator privileges																								
[EnableTrace={yes, no}]		The Reset to Factory default checkbox in the Shutdown dialog window is not available																								
[ShowDisplaySettings={yes, no, ddc-only}]	Low	The Network and Wireless selections on the Setup submenu are disabled (grayed out). The Connection Settings dialog box (opened from Connect Manager) is readable but not writable. The Reset to Factory default check box in the Shutdown dialog window is disabled.																								
[EnableKeyboardMouseSettings={yes, no}]	High(default)	No restrictions and all Thin Appliance resources are available.																								
[KeepDHCPRequestIP={yes, no}]	<p>NOTE:</p> <ul style="list-style-type: none"> If PRIVILEGE= None or Low is used, the Network Setup dialog box is disabled. If it is necessary to access this dialog box and the setting None or Low is not saved into NVRAM, remove the network connector and reboot. This brings up the Network Setup dialog box. Local user mode does not make use of .ini files. <p>If the option LockDown = Yes is specified, the system saves in the flash device of this privilege level. If the LockDown = No is specified, the system clears the privilege level from the flash device to the default unlocked state. If the device is LockDowned without a high privilege level, the device disables the G key reset on power-up. If you set a Privilege with High or Low or None, the four parameters HideSysInfo, HidePPP, HidePN, and HideConnectionManager function as shown in the following table:</p> <p>NOTE: Disable means whether the parameter is set or not, it does not affect the Privilege which is set before. Enable means if the parameter is set, it affects the Privilege which is set before.</p> <table border="1"> <thead> <tr> <th></th> <th>High (default)</th> <th>Low</th> <th>None</th> </tr> </thead> <tbody> <tr> <td>HideSysInfo</td> <td>Disable</td> <td>Disable</td> <td>Enable</td> </tr> <tr> <td>HidePPP</td> <td>Disable</td> <td>Enable</td> <td>Disable</td> </tr> <tr> <td>HidePN</td> <td>Enable</td> <td>Enable</td> <td>Enable</td> </tr> <tr> <td>HideConnection Manager</td> <td>Enable</td> <td>Enable</td> <td>Enable</td> </tr> <tr> <td>EnableNetwork Test</td> <td>Disable</td> <td>Disable</td> <td>Enable</td> </tr> </tbody> </table> <p>If the option HideSysInfo = yes is set, then the System Information is disabled. If HidePPP is specified, then Dialup Manager, PPPoE Manager, and PPTP Manager are disabled. If HidePN is specified, then the PN Agent or PN Lite icon will not be visible on the taskbar. If HideConnectionManager is specified, then the connection manager window will not be visible. If Privilege=none, the HideConnectionManager=no will be able to see the connection manager. (CIR38832) After 5.0.015, the value set by HideSysInfo, HidePPP, HidePN, and HideConnectionManager are saved into nvram, if Lockdown=yes is specified. If the option EnableNetworkTest = yes is set with Privilege = None, the Network Test feature in pop up menu is enabled. If the option EnableTrace is set to yes, additional two menu items are added when you right click the mouse on desktop. But if the Privilege is not set to High, then the menu items are disabled (grayed out).</p> <p>If the option ShowDisplaySettings = yes is set with Privilege = None, the Display feature in pop up menu is enabled. If the option ShowDisplaySettings = ddc-only is set, the Display setting window only displays DDC-relative radio boxes. The user defined display settings are grayed out. (CIR40342)</p>			High (default)	Low	None	HideSysInfo	Disable	Disable	Enable	HidePPP	Disable	Enable	Disable	HidePN	Enable	Enable	Enable	HideConnection Manager	Enable	Enable	Enable	EnableNetwork Test	Disable	Disable	Enable
	High (default)	Low	None																							
HideSysInfo	Disable	Disable	Enable																							
HidePPP	Disable	Enable	Disable																							
HidePN	Enable	Enable	Enable																							
HideConnection Manager	Enable	Enable	Enable																							
EnableNetwork Test	Disable	Disable	Enable																							
[SuppressTaskBar={yes, no, auto}]																										
[EnablePrinterSettings={yes, no}]																										
[CoreDump={ide, disabled}]																										
[EnableNetworkSetup={yes, no}]																										
[DisableNetworkOptions={yes, no}]																										
[EnableSystemPreferences={yes, no, TerminalNameOnly}]																										
[DisableTerminalName={yes, A37no}]																										
[DisableSerial={yes, no}]																										
[DisableRotate={yes, no}]																										
[DisableChangeDateTime={yes, no}]																										
[EnableVPNManager={yes, no}]																										
[TrapReboot={yes, no}]																										
[EnableCancel={yes, no}]																										



Parameter	Description
	<p>If the option EnableKeyboardMouseSettings=yes is set with Privilege = None, the configurations of keyboard and mouse in the Preference table is enabled. If the option EnablePrinterSettings=yes is set with Privilege = None, the configurations of printer is enabled. The option KeepDHCPRequestIP=yes keeps the request IP from DHCP server if it fails and does not invoke network setting window. (CIR39283) The option SuppressTaskbar=yes hides the taskbar and the option SuppressTaskbar=auto automatically hides/displays the taskbar when you enter or leave the area of taskbar. The option SuppressTaskbar=no is as default and always displays the taskbar. This setting in wnos.ini is saved into nvram if EnableLocal is set to yes in wnos.ini. The option CoreDump=disabled disables core dump function. If PlatformConfig=ALL EncrypFS=yes is configured, the core dump function is forced to be disabled. The default value is ide. When a trap or panic happens, a core dump is written to IDE flash. Then reboot, and the core dump can be uploaded to USB (i.e. /WTOS_coredump). If you set the value other than disabled and ide, the core dump is written to network (i.e., /wnos/trace/coredump.\$TN where \$TN is Terminal Name). If the option EnableNetworkSetup=yes is set with Privilege={none, low}, the network setup is enabled. If the option DisableNetworkOptions=yes is set at the same time, the Options table is disabled. If the option EnableSystemPreferences=yes is set with Privilege={none, low}, the system preferences setup is enabled. If the option DisableTerminalName=yes is set at the same time, the terminal name field is disabled. If the option DisableSerial=yes is set with Privilege={none, low}, the serial table in peripherals setup is enabled. If the option DisableRotate=yes is set, the rotate setting in display setup is disabled. This is only valid for C-class because the rotation performance in C-class is not good enough. If the option DisableChangeDateTime is set, the function of changing date and time locally is disabled. For example, right click the time label in taskbar will do nothing, and the button of Change Date and Time in System Preference is invisible. If the option EnableVPNManager=yes is set with Privilege={none, low}, the VPN Manager setup is enabled. If the option TrapReboot=yes is set, client reboots after trap.</p> <p>If the option EnableCancel=yes is set with Privilege={none, low}, the counter down window for reboot or shutdown can be cancelled.</p> <p>The default value is no.</p> <p>For example, if you set the following ini,</p> <pre>.Inactive=1 AutoSignoff=yes Shutdown=yes ShutdownCounter=30 Privilege=none EnableCancel=yes</pre> <p>after no mouse and keyboard input in one minute, the system displays a counter down window to shut down in 30 seconds and you can cancel it.</p> <p>If the option EnableSystemPreferences=TerminalNameOnly is set with Privilege=none, the System Preferences menu is enabled, but only Terminal Name field can be accessed.</p>

Fixed issues

None

Known issues

None



Testing environment

The following tables display the testing environment for the respective attributes:

Table 5. Testing environment

CCM	R14
WDM	5.7
Imprivata	5.2.0.15
Caradigm	6.3.1.17
NetScaler	9.3/10.0/10.1/10.5/11.0/11.1
StoreFront	2.6/3.0/3.5

Table 6. Testing environment

	Win7	Win8.1	Win10	Linux	W2K8R2	W2K12R2	W2k16	APPs
VM Horizon 7.0	√	√	√		√	√	√	
XA 6.5					√			√
XD/XA 7.6	√	√		√ RedHat 6.6	√	√		√
XD/XA 7.9	√	√	√		√	√		√
XD/XA 7.11	√	√	√		√	√	√	√
Amazon WorkSpaces 1.03	√ *							
RDS 2012R2	√	√	√			√	√	√
RDS 2016							√	√

NOTE: * — AWS Workspace VM OS “Windows 7 style” is based on 2008R2 RDSH

Table 7. Testing environment

XD/XA	OS	RTME	Lync client	Lync server	SFB Server
6.5	W2K8R2	1.8	Lync 2010	Lync 2013	
7.6	Win7	2.1.2	SFB2015		SFB2015



XD/XA	OS	RTME	Lync client	Lync server	SFB Server
	Win8.1	1.8	Lync 2013	Lync 2013	
	Win8.1	1.8	Lync 2013		SFB2015
7.9	Win8.1	2.1.2	SFB2015		SFB2015
	Win10	2.1.2	SFB2015		SFB2015

Peripheral list

The following table list the supported peripherals:

Table 8. Keyboard and Mouse

Keyboard and Mouse
Dell wireless Keyboard/mouse KM632
Dell Keyboard KB216p / mouse MS-116p
Dell Mouse MS111-P
Wyse MO42UOA
Dell Keyboard KB113p
Dell Keyboard KB212-B
Dell Optical Wireless Mouse – WM123
SpaceNavigator 3D Space Mouse
Logitech MK520 Wireless keyboard/M310 Wireless mouse
Logitech K400 Plus
Microsoft Arc Touch Mouse 1428
Dell Wireless Keyboard and Mouse - KM636
Dell USB Wired Keyboard with Smart Card reader - KB813
Dell Laser USB mouse (Silver and Black) – Naruto
Dell USB Wired Optical Mouse - MS116

Table 9. Camera

Camera
Logitech C920 HD Pro Webcam
Logitech C930e HD Webcam



Camera

Logitech C270 HD Webcam

Logitech BCC950 ConferenceCam

Logitech HD Webcam C310

Logitech C525 HD Webcam

Logitech USB Webcam 9000

Microsoft LifeCam VX-800

Microsoft LifeCam 3.0 Cinema

Microsoft LifeCam HD-3000

Microsoft LifeCam Studio

Table 10. Printer**Printer**

Dell B1265dnf Multifunction Laser Printer

Dell B1165nfw Mono Multifunction Printer

Dell B1163 Mono Multifunction Printer

Dell B2375dnf Mono Laser Multifunction Printer

Dell B2360d Laser Printer

Dell B2360dn Laser Printer

Dell B1260dn Laser Printer

Dell Mono Unmanaged Printer - E515dn

Dell Color Unmanaged Printer - E525w

Dell Mono Managed Printer - C2660dn

HP LaserJet P2055d

HP LaserJet P2035

EPSON PLQ-20K

HP Color LaserJet CM1312MFP



Table 11. Phone

Phone
iPhone 4s
iPhone 6
HTC one-XL

Table 12. USB disk

USB Disk
SanDisk Extreme USB 3.0 16G
Kingston DataTraveler USB 2.0 16G G3
Sandisk cruzer 8GB
SanDisk USB 3.0 16GB
Kingston DataTraveler 100 G3
Kingston DTSE9 G2 32GB
Kingston Mini Fun 8GB
ADATA S107/16GB
ADATA S102/16GB
ADATA UV150 USB 3.0 16GB
PNY USB3.0 16GB

Table 13. Headset

Headset
Jabra PRO 9450
Sandisk Extreme USB 3.0 16 GB
Jabra Speak 510 MS
Jabra SUPREME UC MS /LINK 360
Jabra PRO 9400BS, Bluetooth
Jabra PRO 935 MS
Jabra UC Voice 550 MS Duo
Jabra BIZ 2300 Duo, USB, MS



Headset
Jabra PRO 9400BS, Bluetooth
Jabra UC Voice 750MS Duo Drk
Jabra Pro 935 MS Wireless headset (Mono) - Office Centric
Plantronics BLACKWIRE C420
Plantronics BLACKWIRE C435-M
Plantronics BLACKWIRE C520
Plantronics BLACKWIRE C710
Plantronics DA45
Plantronics SupraPlus HW251N
Plantronics DA60
Plantronics W440,SAVI,CONVERTIBLE,DECT 6.0(D100)
Plantronics Calisto P240 D1K3 USB handset
Plantronics USB DSP DA40(B)
Plantronics 655 DSP
Plantronics W740 SAVI 3IN1 Convertible, UC, DECT 6.0 NA, Bluetooth
Plantronics List Savi 400 series
SENNHEISER SP 20 ML Speakerphone for Lync and mobile devices
SENNHEISER SC 70 USB MS BLACK Binaural UC headset
SENNHEISER SC 660 Binaural CC&O HS, ED
SENNHEISER SC 260 USB MS II
SENNHEISER SP 10 ML Speakerphone for Lync
SENNHEISER D 10 USB ML-US Wireless DECT Headset
POLYCOM Deskphone CX300
EDIFIER
Dell Pro Stereo Headset UC300 - Lync Certified



Table 14. Monitor

Monitor
Dell E1715s (1280 x 1024)
Dell E2416Hb (1920 x 1080)
Dell P2714Hc (1920 x 1080)
Dell E2715Hf (1920 x 1080)
Dell UZ2315H (1920 x 1080)
Dell D2215Hc (1920 x 1080)
Dell U2414HB (1920 x 1080)
Dell S2415H (1920 x 1080)
Dell U2415 (1920 x 1200)
Dell U2412M (1920 x 1200)
Dell U2913 WM (2560 x 1080)
Dell U2713HM (2560 x 1440)
Dell ST2420L (1920 x 1080)
Dell 3008WFP (2560 x 1600)
Dell U3014t (2560 x 1600)
Dell UP2715K (2560 x 1440)
Dell 23-inch monitor - E2316H
Dell 22-inch monitor - E2216H
Dell 20-inch monitor - E2016
Dell 24-inch monitor - E2417H
Dell 19-inch monitor - E1916H
Dell 20-inch monitor - P2016
Dell 24-inch monitor - P2417H
Dell 23-inch monitor - P2317H
Dell 22-inch monitor - P2217H
Dell 20-inch monitor - P2017H



Monitor
Dell 19-inch monitor - P1917S

Table 15. DVD ROM

DVD ROM
BENQ DVD Drive
Dell external DVDRW Drive
SAMSUNG PorTable DVD Writer SE-208
Dell DW514

Table 16. SpeechMike Premium

SpeechMike Premium
LFH3500/00
LFH3610/00
LFH3200/00

Table 17. Smartcard Reader

Smartcard Reader
HID OMNIKEY 3021
OMNIKEY OK CardMan3121
SmartOS powered SCR335
HID OMNIKEY 3021
Cherry keyboard RS 6600 with smart card
Cherry keyboard RS 6700 with smart card

Table 18. Smartcard

Smartcard
Etoken 72K (USB key)
Etoken 72K no java
Etoken 72K java
Etoken 64K (USB key)



Smartcard
Etoken safenet 5100 java 72k (USB key)
Etoken safenet 5110 java 80k (USB key)
ActivIdentity V2
ActivIdentity V1
Gemalto .net V2+
Gemalto ID Prime MD 3810 for TC
Gemalto ID Prime MD 830 for TC
Cryptovision (Startcus 3.2)
SafeSign (Startcus 3.0)
SafeSign (Startcus 3.2)
PIV (Gnd 80k)
Gemalto ID Prime MD 840

Table 19. Cable and Converter

Cable and Converter
DP-DVI Converter (CN-0KKMYD-25960-4CJ-4J36-A00)
DP-VGA Converter (CN-05KMR3-25960-5AR-430B-A01)
Elo Touch Screen USB (ET1525L-7UWC-1)
Elo Touch Screen Serial (CBL00036ET1224L-7SWC-1-NL009234-000)
Prolific USB-to-Serial converter U232-P9V2 (770434-05L)
USB-to-Serial converter (U232-P9 V2)
Tripp Lite USB2.0 Hub
Dell KDP70 Adapter converts DisplayPort to DVI (Dual-Link)

Table 20. Imprivata and Caradigm

Imprivata and Caradigm	
Proximity Card Reader	Comments
RDR-80581AKU	Support card 1, 2, 3, 4.
RDR-80582AKU	Support card 1, 2, 3, 4.



Imprivata and Caradigm	
RDR-6082AKU	Support card 2.
HDW-IMP-7	Support card 1, 3, 4.
Proximity Card	
Card 1: ID 4E3C398E	
Card 2: ID 016FE691	
Card 3: ID 016B4CAA	
Card 4: ID E012FFF8007AA7F8	
Finger Print Reader	
Finger Print Keyboard ET710	KSI 1700-SX HFFFB-16; pid 147e, vid 2016
Finger Print Reader ET700	SN: 8E8E0001422350; pid 147e, vid 3001
OMNIKEY Reader	
OMNIKEY 5025 CL	
OMNIKEY 5125	
OMNIKEY 5325 CL	
OMNIKEY 5326 DFR	
OMINIKEY 5427 CK	

