



Dell Wyse ThinLinux Version 2.0 Release Notes

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.

Current Version: 2.0
Release Date: March 2018
Previous Version: 1.0 (1.0.4, 1.0.4.1 and 1.0.7.1)

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Release type and definition

This release note contains the following information about ThinLinux 2.0 release that is intended for Dell Wyse thin clients.

Table 1. Release detail and specification

Release detail	Specification
Operating system	ThinLinux
Product version	2.0
Platform	Wyse 3040 thin client
Build number	2.0.14.31318
Supported language	English–United States—en-us

NOTE: Wyse 3040 thin client supports UEFI mode.

Support matrix

Table 2. Supported platform

Platform	Build number	Build filename	Build size	RAM size	Flash size	Hardware configurations
Wyse 3040 thin client	2.0.14.31318	2.0.14.31318_3040_16GB_merlin.exe	2,277,804,479 bytes	2 GB	16 GB	<ul style="list-style-type: none">Intel Cherry-Trail Quad-Core at 1.44 GHzDual-DisplayWireless support—optionalTPM is not supported

Table 3. Add-on details

Filename	Build version	Build size
all-addons_TL-2.0.14.31318-Wyse.tgz	2.0.14.31318 (4.13.0-1013-oem)	322,126,345 bytes

NOTE: You can also install the optional add-on `Chrome-opt_1.0.0-24_amd.deb` to access the Chrome web browser.

Table 4. Supported imaging solution

Imaging solution	Version
USB	3.1.0.0
Wyse Management Suite	1.1

New features

The following are the new features in this release:

- VMware View Client version 4.6
- Citrix Receiver version 13.8
- Wyse RDP Client version 8.01.05
- Data Recovery Imaging
- Auto-Lock screen
- Ericom PowerTerm version 12.3.0.0—64-bit binary
- Dell Command Monitor version 9.3.1-201

Upgrading ThinLinux using Wyse Management Suite

Prerequisite

ThinLinux version 1.0.4, 1.0.4.1, or 1.0.7.1 must be installed.



Steps

- 1 Install `Platform_util-1.0.26-0.3.x86_64.rpm`, `wda-2.1.23-00.01.x86_64.rpm`, and `merlin_nonpxe-3.7.3-00.01.x86_64.rpm` add-ons on your thin client.
- 2 Reboot the thin client.
- 3 Go to **Settings > Management > Wyse Device Agent**.
- 4 Register the device to the Wyse Management Suite server.
- 5 Open Wyse Management Suite server.
- 6 Copy the image to `<drive C>/wms/localrepo/repository/osimages/valid/`.
- 7 Log in to Wyse Management Suite console.
- 8 Go to **Apps & Data > OS Image policies(WES/ThinLinux) > Add Policy**.
- 9 Update the required fields, and then click **Save**.
- 10 Schedule the job, and click **Update**.

Password encryption

By default, base-64 encryption is enabled for all passwords when you use INI parameters. If you want to use AES encryption, then generate an AES encrypted password by using the **WyselNIkeyCrypt.exe** tool.

ThinLinux supports the following two password encryption methods for all the passwords in **Connections and Global** settings used in the INI parameters:

- Base64 password encryption, see [Base64 password encryption](#).
- AES password encryption, see [AES password encryption](#).

Copy the generated encrypted password and place it in the INI file where the password field is mapped.

 **NOTE: Non-English characters are not supported for AES password encryption.**

Base64 passwords encryption

By default, all passwords in the INI file are base-64 encrypted. To generate base-64 encrypted password, do the following:

- 1 Log in to the thin client.
- 2 Open **xterm** which is the standard terminal emulator for the X Window System.
- 3 Enter `regencode` followed by the password in plain text.

For example, if you enter `thinuser@LWT- regencode password cGFzc3dvcmQ=`, the encrypted output for the password is `cGFzc3dvcmQ=`.

You can also use the **WyselNIkeyCrypt** tool to generate encrypted passwords.

AES password encryption

All passwords related to connections and users in the INI file can be AES encrypted. For AES encryption support, add **PasswordEncryptionCode=2** parameter in the INI file.

To generate AES encrypted password, do the following:

- 1 Log in to the thin client.
- 2 Copy the **WyselNIkeyCrypt.exe** on any windows machine.
- 3 Double-click the .exe file.

The **Dell Wyse Password Encoder** window is displayed.



- 4 Enter the plain text password in **Password to encode** edit box.
- 5 Click **Encrypt** to generate AES encrypted password.

Known issues

Table 5. Known issues

Summary	Workaround
Gemalto Smart Card certificate is not displayed in the VDI desktop after you log in to the VMware connection broker.	There is no workaround.
Messages sent through Wyse Management Suite are not displayed on Citrix, VMware, and RDP sessions.	There is no workaround.
After you connect to a hidden SSID wireless network, the connection is disconnected when you restart the thin client.	There is no workaround.
Citrix storefront connection with smart card does not start when you provide the PIN in the Authentication window for the second time.	There is no workaround.
Mouse cursor cannot be moved to the bottom edge of the screen after you change the display rotation to right through DisplayPort 2.	There is no workaround.
Blank screen is observed in multiple display modes when you connect the thin client to a high resolution monitor.	There is no workaround.
WES/ThinLinux is not displayed in the User Instructions details of OS Image Repository-WES/ThinLinux page, instead WES is displayed.	This issue is fixed in Wyse Management Suite version 1.2.
Mouse flickering is observed in the Mozilla Firefox browser when you play a YouTube video.	There is no workaround.
Logging in to the Active Directory PAM requires more than 10 seconds.	Log in to the thin client again. This issue is observed only when you log in to the thin client for the first time.
Mirror mode display cannot be enabled in the U2913WM monitor.	There is no workaround.
If the universal access is enabled, you cannot enter the characters in the on-screen keyboard appeared when the User to Admin window is displayed.	There is no workaround.
VMware Smartcard PIN is requested even when a smartcard reader is not connected.	There is no workaround since this issue is the default Gemalto new driver behavior.
VMware tool bar is not displayed in the dual monitor setup when you disconnect from the server.	There is no workaround.
Scroll Lock LED does not work.	There is no workaround.
After you configure Windows resolution using INI parameters, the new settings do not take effect after you restart the thin client.	There is no workaround.
You cannot configure the Push RSP file using the USB imaging Tool version 2.1.4.0.	This issue is fixed in the USB Imaging Tool version 3.1.



Summary	Workaround
The WYSE_RDPCLIENT package is not created in the <code>/var/CAL/</code> directory.	There is no workaround.
After the factory reset, an alert message is displayed when you change the language in System Settings .	There is no workaround.
Password expiry feature does not work for PAM-Login in the Citrix session.	There is no workaround.

Supported peripherals

This section contains details on the supported system peripherals for ThinLinux 2.0.

Supported USB storage devices

- USB flash drive (16 GB /64 GB)—SanDisk and Kingston
- USB DVD-RW—Iomega and LG GP50NB40
- External portable hard disk—Toshiba and WD

Supported printers

- Color printer—Dell C1660w
- Multi-function color printer—Dell B1165nfw/B2375dfw
- Mono laser printer—Dell B2360D
- Mono multifunction printer—Dell E515dn
- Color multifunction printer—Dell E525w
- Mono managed printer—Dell C2660dn

Supported monitors

- Dell 17" E177FP
- Dell 19" E1916H
- Dell 19" P1917S
- Dell 19" P1913S
- Dell 19" 1905FP
- Dell 19" 1907FP
- Dell 20" E2016H
- Dell 20" E2016
- Dell 20" P2017H
- Dell 22" E2216H
- Dell 22" P2210
- Dell 22" P2217H
- Dell 23" E2316H



- Dell 23" P2317H
- Dell 24" E2416H
- Dell 24" E2417H
- Dell 24" P2417H
- Dell 24" U2412M
- Dell 24" U2415
- Dell 24" U2414H
- Dell 27" E2715H
- Dell 30" U3011

Supported keyboards

- Dell KB813 with integrated smart card reader
- Dell KB216
- WYSE KU8933
- Dell KB212-B
- Dell KG-1089
- Dell KB522 business multimedia keyboard
- Logitech K120
- Dell wireless keyboard - KM636

Supported mouse devices

- Dell wireless mouse—KM636
- Dell USB wired optical mouse—MS116
- Dell MG—1090
- Wyse mouse MO42UOA
- Logitech M525-C wireless mouse
- Logitech M100
- Dell Laser USB mouse (silver and black)—Naruto
- Dell USB wired optical mouse—MS116

Supported webcams

- Logitech Pro 9000
- Logitech HD Pro C920
- MS Life cam HD3000

Supported Smart Card and Readers

- Gemalto PC Twin USB Reader—Smart Card Reader
- Gemalto .Net V2+—Smart Card



- Yubikey—Smart Card
- CAC Card—Smart Card

Supported USB headsets

- Dell Professional stereo headset UC300—Lync certified
- Plantronics P620S
- Jabra Pro 935 MS wireless headset (Mono)—Office Centric
- Plantronics Calisto 830
- Plantronics Blackwire C720
- Plantronics Blackwire C620
- Plantronics Blackwire C610
- Plantronics Blackwire C420
- Plantronics Blackwire C310 Mono
- Plantronics Blackwire C220
- Plantronics WO300 Savi Office
- Plantronics Savi 720 wireless
- Plantronics Calisto USB speaker phone
- Microsoft LX-3000
- Jabra UC Voice 250
- Jabra Speak 410 USB
- Jabra handset Cisco 450
- Jabra BIZ 2400 Mono USB
- Logitech H340
- Voyager Legend UC B235 NA
- Plantronics Blackwire C520
- Blackwire DA45

Supported drivers

- VGA compatible controller Intel 22B0—Display adapter
- RealTek RTL-8168 gigabit ethernet driver—Ethernet adapter
- Cherrytrailcraudio—Audio driver
- Intel HDMI/DP LPE—Audio driver

