

Dell Wyse ThinLinux Version 2.0 Operating System and Add-ons

Release Notes



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.

© 2019 Dell Inc. or its subsidiaries. All rights reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

Contents

1 Overview.....	5
2 Version matrix.....	6
3 ThinLinux Version 2.0.27.....	7
Release scope.....	7
Priority and recommendations.....	7
Support matrix.....	7
Supported languages.....	7
Add-on details.....	8
Fixed issues.....	8
Known issues.....	9
Supported imaging solutions.....	10
Upgrade ThinLinux by using Wyse Management Suite.....	11
4 ThinLinux Version 2.0.....	12
Release type and definition.....	12
Priority and recommendations.....	12
Support matrix.....	12
New features.....	14
AES password encoding.....	14
Fixed issue.....	14
Known issues.....	15
Supported peripherals.....	18
Upgrading ThinLinux using Wyse Management Suite.....	18
5 Citrix ICA Version 13.10 Add-on.....	20
Release type and definition.....	20
Priority and recommendations.....	20
New features.....	20
New INI parameters.....	20
Build information.....	21
Test environment.....	21
Supported platforms.....	21
Fixed issues.....	22
Known issues.....	22
6 Citrix ICA 13.9.1 Add-on.....	23
Release type and definition.....	23
Priority and recommendations.....	23
New features.....	23
Web browser content redirection.....	23
New INI parameter.....	23

Build information.....	23
Test environment.....	24
Supported platform.....	24
Fixed issue.....	24
Known issues.....	24
7 VMware Horizon View Client Version 4.8 Add-on.....	26
Release type and definition	26
Priority and recommendations.....	26
New features.....	26
Add-on details.....	26
Support matrix.....	27
Known issues.....	27
Test environment.....	27
8 Installing add-ons.....	28
Downloading the installation file.....	28
Install add-on using Wyse Management Suite.....	28
Install add-on using Wyse Device Manager.....	29
Install the add-on manually using ThinLinux.....	29
Install the add-on manually using ThinLinux INI parameter.....	30
9 Resources and support.....	31
Accessing documents using the product search.....	31
Accessing documents using product selector.....	31
Additional resources.....	31
10 Contacting Dell.....	32

Overview

Wyse ThinLinux 2.0 combines the security, flexibility and market-leading usability of Ubuntu Linux with Dell's optimizations in management and user experience. It is ideal for organizations that want to run server-based, web-based, or local applications without the deployment and security concerns of a non-standard Linux distribution.

 **NOTE:** For details about the previous versions, if applicable, or to determine which version of the operating system you need to select for your thin client, see [Version matrix](#).

Version matrix

The following section lists the platforms that are supported in each ThinLinux 2.0.x release, and the add-ons required for ThinLinux 2.0.x.

Table 1. ThinLinux 2.0.x version matrix

Release version	Release date	Supported platforms	Release Notes
2.0.27	August 2018	Wyse 5070 thin client	ThinLinux version 2.0.27
2.0.22	June 2018		ThinLinux version 2.0
2.0.19	June 2018	Wyse 3040 thin client	

Table 2. Citrix ICA version matrix

Release version	Release date	Supported platforms	Release Notes
13.10	August 2018	<ul style="list-style-type: none"> Wyse 3040 thin client Wyse 5070 thin client 	Citrix ICA version 13.10 add-on
13.9.1	June 2018	Wyse 3040 thin client	Citrix ICA version 13.9.1 add-on

Table 3. VMware Horizon View Client version matrix

Release version	Release date	Supported platforms	Release Notes
4.8	June 2018	<ul style="list-style-type: none"> Wyse 3040 thin client Wyse 5070 thin client 	VMware Horizon View Client version 4.8 add-on

ThinLinux Version 2.0.27

Release scope

The scope of this release is to provide enhancements to the existing features, and fix issues from the previous ThinLinux 2.0 release.

Priority and recommendations

Recommended: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Support matrix

Table 4. Support matrix

Platform	Memory configuration (eMMC/RAM)	UEFI BIOS	Build	Filename	Build size
Wyse 5070 thin client (Celeron processor)	16 GB/4 GB	1.1.1	2.0.27.31684	2.0.27.31684_5070_merlin_16GB.exe	2,456,924,040 bytes
Wyse 5070 thin client (Pentium processor)	16 GB/4 GB	1.1.1	2.0.27.31684	2.0.27.31684_5070_merlin_16GB.exe	2,456,924,040 bytes
Wyse 5070 extended thin client (Pentium processor)	16 GB/4 GB	1.1.1	2.0.27.31684	2.0.27.31684_5070_merlin_16GB.exe	2,456,924,040 bytes

Supported languages

ThinLinux version 2.0 supports the following languages:

- English
- French
- Dutch
- Spanish
- Portuguese
- German
- Simplified Chinese

- Japanese
- Korean

Add-on details

Table 5. Add-on details

Add-on	Description
Chrome-opt_1.0.0-27_amd.deb	This add-on is optional. Installing this add-on allows you to customize the Google Chrome browser for security purposes. You can download the Chrome-opt_1.0.0-27_amd.deb add-on from the Drivers and downloads page for Wyse 5070 thin client at Dell.com/support .

Fixed issues

Table 6. Fixed issues

Issue number	Issue description
TL-816	The Wyse 5070 thin client device picture is not available in the Wyse Management Suite server.
TL-866	The Device type field is blank on the Wyse Management Suite server UI.
TL-891	AD PAM login: Device unlock may take more than 10 seconds.
TL-931	In the Screen Capture display window, CCM must be renamed to WMS .
TL-945	In a dual display setup, taskbar icons disappear when the monitor rotation is set to left or right.
TL-974	Unable to disable the MultiMedia option in a Citrix session by using the INI parameter.
TL-985	When a Citrix server connection is established using an INI parameter, the session is launched in a seamless resolution instead of the default resolution.
TL-900	Common Access Card (CAC) is not recognized when an onboard reader is used with a smart card to log in to a VDI session.
TL-944	In a dual display setup, the Citrix session cannot be launched on both monitors in span mode. This issue is observed when you set the rotation of monitor 1 as left and monitor 2 as right.
TL-947	Intel Bluetooth Adapter is listed in the Connect USB Device menu when the INI parameter VMWareViewExcludeUSBFamily is configured.
TL-956	Disks and drives details for ThinLinux are displayed incorrectly in WDM.
TL-961	Sound is set to blank in the Experience tab when an RDP connection is created using the INI parameter Sound=off .
TL-963	Two Citrix links are available in System Settings . However, the desktops cannot be enumerated when the Citrix add-on is upgraded to a new version.
TL-964	The Show Favorites option from the view menu is disabled when the option is enabled after launching a session.
TL-966	When the VMware connection is created using an INI parameter, the Enable MMR option is disabled for PCoIP and Blast protocols.
TL-970	On Wyse 5070 thin client (Pentium processor), the default resolution 1920 x 1080 is not available in a VGA display for connecting two monitors.
TL-975	If Citrix RTME is uninstalled and installed again, the Multimedia redirection feature does not work.
TL-977	GDM fails when you turn on the device without connecting the monitor.
TL-983	Any message from the Wyse Management Suite admin is not displayed after 60 characters even though the message contains no space.

Issue number	Issue description
TL-986	In a PAM login, the shortcut key Alt+Ctrl+Shift+F11 to switch to admin mode does not work.
TL-991	On Wyse 5070 thin client (Pentium processor), the INI parameter for the display setting does not work when you turn off and turn on the network.
TL-997	During the AD PAM login, the display configuration does not take effect when you change the display settings in thinuser .
TL-1000	Add-ons are not removed from the thin client when the Advanced-RemoveAddons policy is published from Wyse Management Suite.
TL-1001	Keyboard UI settings are not available for the Dutch language.
TL-1010	3 displays: The System Settings window does not remain on the secondary monitor when you click the Back button.
TL-1011	When six monitors are connected, a black screen is displayed for a few seconds after every device reboot.
TL-1012	6 displays: There is no display when the monitor is connected to any Mini DisplayPort by using a Mini DisplayPort to VGA convertor.
TL-1013	In a dual display setup, the VMware session cannot be extended on both monitors. This issue is observed when you set the rotation of monitor 1 as left and monitor 2 as right.
TL-1014	In a dual display setup, the RDP session is extended on both monitors. This issue is observed when you set the rotation of monitor 1 as left and monitor 2 as right.

Known issues

Table 7. Known issues

Issue number	Issue description	Workaround
TL-646	When you set the display rotation to left, right, or upside-down and perform any operation, then a distorted display is observed.	There is no workaround available in this release.
TL-731	A wireless network that is connected through a hidden network is disconnected after you restart or turn off the client.	There is no workaround available in this release.
TL-746	Unable to connect to the WPA-enterprise wireless network when DNS is changed manually.	There is no workaround available in this release.
TL-782/ TL-796	When thin client is connected to four or five 4K monitors, there is no display on one of the monitors.	There is no workaround available in this release.
TL-793	When thin client is connected to six 4K monitors, there is no display on two of the monitors.	There is no workaround available in this release.
TL-819	Texts appear blurred after dragging the System Information applet.	There is no workaround available in this release.
TL-853	As per the EDD data, only the supported resolution must be displayed when you connect a monitor to the AMD DisplayPort.	There is no workaround available in this release.
TL-874	The INI parameter <code>PromptPassword=Yes</code> for 802.1x authentication does not work.	There is no workaround available in this release.
TL-877	Unable to open HTML5 links from the communication tab.	There is no workaround available in this release.
TL-878	Ericom: The language keyboard layout is not mapped in Keyboard Mapping.	There is no workaround available in this release.
TL-883	In VMware and RDP sessions, the key combinations <code>^</code> and <code>`</code> do not work when using a German keyboard.	There is no workaround available in this release.

Issue number	Issue description	Workaround
TL-887	Ericom menu bar options are not displayed with the respective system languages.	There is no workaround available in this release.
TL-896	Ericom menu options get highlighted when you use the keyboard to work in the console.	There is no workaround available in this release.
TL-937	On Wyse 5070 thin client (Pentium processor) and Wyse 5070 extended thin client, when three 4K monitors are connected, there is no display on the monitor that is connected to DisplayPort 2 (DP2).	There is no workaround available in this release.
TL-943	In a dual monitor setup, when a monitor with 4K resolution is aligned vertically, the taskbar is displayed on both monitors.	There is no workaround available in this release.
TL-946	The DCM DEB package command-monitor is not listed in System Information .	There is no workaround available in this release.
TL-962	Unable to retain the background color and the text color in Ericom.	There is no workaround available in this release.
TL-817	Display window does not function for a few seconds when the resolution and layout are changed.	There is no workaround available in this release.
TL-972	The terminal COM port cannot be mapped in a Citrix session.	There is no workaround available in this release.
TL-973	The COM port redirection does not work in an RDP session.	There is no workaround available in this release.
TL-980	Drop-down lists are not displayed when the two non-4K monitors and the one 4K monitor are connected to the thin client.	There is no workaround available in this release.
TL-987	On Wyse 5070 thin client (Pentium Processor) with a dual monitor setup, the L-Shape Vertical Mode display is not set properly.	There is no workaround available in this release.
TL-992	On Wyse 5070 thin client (Pentium Processor), changing GUI from vertical to horizontal display does not work.	There is no workaround available in this release.
TL-995	Wyse 5070 extended thin client: In vertical and two screens per row layouts, RDP session taskbar is displayed in a monitor other than the primary monitor.	There is no workaround available in this release.
TL-998	DisplayPort is not set properly in xrandr .	There is no workaround available in this release.
TL-1007	In a Citrix session, the removable disk is disconnected when files of more than 1 GB size are copied.	There is no workaround available in this release.
TL-1015	P2418HT touch monitor: If you open the Mozilla Firefox browser when the System Settings window is open, the thin client does not respond to mouse clicks.	There is no workaround available in this release.

Supported imaging solutions

Use any of the following imaging solutions to deploy the latest version of ThinLinux image on your thin client:

- Dell Wyse Management Suite version 1.2—For information about upgrading ThinLinux version 2.0.22 to 2.0.27, see [Upgrading ThinLinux by using Wyse Management Suite](#).
- Dell Wyse USB Imaging Tool version 3.1.0—For information about installation instructions, See the *Dell Wyse USB Imaging Tool Version 3.1.0 User' Guide* at downloads.dell.com.

Upgrade ThinLinux by using Wyse Management Suite

Prerequisite

Use Wyse Management Suite version 1.2 to upgrade the ThinLinux build version 2.0.22.x to 2.0.27.x.

About this task

This section describes the steps to upgrade ThinLinux by using Wyse Management Suite.

Steps

- 1 Go to [Dell.com/support](https://www.dell.com/support).
- 2 Click **Product Support**, enter the **Service Tag** of your thin client, and then click **Submit**.
NOTE: If you do not have Service Tag, use the auto detect feature or manually browse for your thin client model.
- 3 Click **Drivers and downloads**.
- 4 From the **Operating system** drop-down list, select **ThinLinux**.
- 5 Scroll down the page, and do the following:
 - Download and install the **merlin_nonpxe-3.7.9-00.02_amd64.deb** add-on. This add-on is available as *Merlin Non-PXE add-on for ThinLinux version 2.0.27 on Dell Wyse 5070 thin clients*.
 - Download the latest ThinLinux version 2.0 image file (**2.0.27.31684_5070_merlin_16GB.exe**). This image file is available as *ThinLinux 2.0.27 for Dell Wyse 5070 Thin Clients*.
- 6 Reboot the thin client.
- 7 Go to **Settings > Management > Wyse Device Agent**.
- 8 Register the device to the Wyse Management Suite server.
- 9 Log in to the Wyse Management Suite server.
- 10 Copy the downloaded image (**2.0.27.31684_5070_merlin_16GB.exe** file) to `<drive C>/wms/localrepo/repository/osimages/zipped/`.
- 11 Log in to the Wyse Management Suite console.
- 12 Go to **Apps & Data > OS Image repository > WES/ThinLinux** and verify that the ThinLinux image is available.
- 13 Go to **Apps & Data > OS Image policies (WES/ThinLinux)** and click **Add Policy**.
- 14 Update the required fields, and click **Save**.
- 15 Schedule the job.
- 16 Click **Update now** on the client to update the image.

ThinLinux Version 2.0

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 8. Release detail and specification for Wyse 3040 thin client and Wyse 5070 thin client

Release detail	Specification
Operating system	ThinLinux
Product version	2.0
Platform	<ul style="list-style-type: none"> Wyse 3040 thin client Wyse 5070 thin client
Build version	<ul style="list-style-type: none"> 2.0.19.31428 for Wyse 3040 thin client 2.0.22.31472 for Wyse 5070 thin client
Supported language	English—United States—en-us

 **NOTE: Wyse 5070 thin client and Wyse 3040 thin client support UEFI mode.**

For information on the newly added INI parameters, see *Dell Wyse ThinLinux 2.0 INI Guide* at support.dell.com.

Priority and recommendations

Recommended: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

Support matrix

Table 9. Supported platform

Platform	Build number	Build filename	Build size	RAM size	Flash size	Hardware configurations
Wyse 3040 Thin Client	2.0.19.31428	2.0.19.31428_3040_16GB_merlin.exe	2,277,992,192 bytes	2 GB	16 GB	<ul style="list-style-type: none"> Intel Cherry-Trail Quad-Core at 1.44 GHz Dual-Display Wireless support —optional TPM is not supported

Platform	Build number	Build filename	Build size	RAM size	Flash size	Hardware configurations
						<ul style="list-style-type: none"> DP1, DP2
Wyse 5070 Celeron Thin Client	2.0.22.31472	2.0.22.31472_5070_16GB_merlin.exe	2,295,483,542 bytes	4 GB	16 GB	<ul style="list-style-type: none"> Celeron Quad Core Silver J4105 @ 1.50GHz 1 USB-C, 5 USB 3.0, 2 USB 2.0 RJ45 + Wireless —Intel 9560 or RJ45 + SFP or 2nd RJ45 DP1, DP2 or USB C-Type, VGA
Wyse 5070 Pentium Thin Client	2.0.22.31472	2.0.22.31472_5070_16GB_merlin.exe	2,295,483,542 bytes	4 GB	16 GB	<ul style="list-style-type: none"> Pentium Quad Core Silver J5005 @ 1.50GHz 1 USB-C, 5 USB 3.0, 2 USB 2.0 RJ45 + Wireless —Intel 9560 or RJ45 + SFP or 2nd RJ45 DP1, DP2 or USB C-Type, DP3 or VGA
Wyse 5070 Extended Thin Client	2.0.22.31472	2.0.22.31472_5070_16GB_merlin.exe	2,295,483,542 bytes	4 GB	16 GB	<ul style="list-style-type: none"> Pentium Quad Core Silver J5005 @ 1.50GHz 1 USB-C, 5 USB 3.0, 2 USB 2.0 RJ45 + Wireless —Intel 9560 or RJ45 + SFP or 2nd RJ45 Intel: DP1, DP2, DP3. AMD: DP4, mDP5, mDP6

Table 10. Add-on details

Platform	Filename	Build version	Build size
Wyse 3040 thin client	all-addons_TL-2.0.19.31428-Wyse.tgz	2.0.19.31428 (4.13.0-1013-oem)	322,140,910 bytes
Wyse 5070 thin client	all-addons_TL-2.0.22.31472-Wyse.tgz	2.0.22.31472	301,177,175 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 11. Supported imaging solution

Imaging solution	Version
USB	3.1.0.0
Wyse Management Suite	1.1 or later versions

 **NOTE:** **USB Imaging Tool v3.1.0.0 and Wyse Management Suite 1.2 will be released shortly with support for Dell Wyse 5070 thin client.**

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
- Display Settings and Quad Display—GFX—Specific to Wyse 5070 thin client
- Google Chrome Browser—No Support for VDI Connections—Specific to Wyse 5070 thin client
- Trusted Platform Module 2.0—Specific to Wyse 5070 thin client

AES password encoding

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

To generate AES encoded 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 the AES encoded password.

Fixed issue

Wyse Management Suite v1.1 compatibility issue is fixed in this release.

Known issues

Table 12. Known issues—Wyse 3040 thin client

Issue ID	Description	Workaround
TL-683	Messages sent through Wyse Management Suite are not displayed on Citrix, VMware, and RDP sessions.	There is no workaround.
TL-681	After you connect to a hidden SSID wireless network, the connection is disconnected when you restart the thin client.	There is no workaround.
TL-613	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.
TL-753	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.
TL-757	Blank screen is observed in multiple display modes when you connect the thin client to a high resolution monitor.	There is no workaround.
TL-667	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.
TL-727	Mouse flickering is observed in the Mozilla Firefox browser when you play a YouTube video.	There is no workaround.
TL-722	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.
TL-865	Mirror mode display cannot be enabled in the U2913WM monitor.	There is no workaround.
TL-409	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.
TL-383	VMware toolbar is not displayed in the dual monitor setup when you disconnect from the server.	There is no workaround.
TL-350	Scroll Lock LED does not work.	There is no workaround.
TL-893	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.
TL-786	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.
TL-925	The WYSE_RDPCLIENT package is not created in the /var/CAL/ directory.	There is no workaround.
TL-926	After the factory reset, an alert message is displayed when you change the language in System Settings .	There is no workaround.

Issue ID	Description	Workaround
TL-562	Password expiry feature does not work for PAM-Login in the Citrix session.	There is no workaround.

Table 13. Known issues—Wyse 5070 thin client

Issue ID	Description	Workaround
TL-646	On left/right/Upside-down rotations, UI window getting sliced when trying to perform any operation.	There is no workaround.
TL-731	The wireless network connection is disconnected after connecting through a hidden network when you restart or turn off the client.	There is no workaround.
TL-746	Unable to connect to WPA- Enterprise Wireless network when DNS is changed manually.	There is no workaround.
TL-782	Display fails on one of the monitors when thin client is connected to four 4K monitors.	There is no workaround.
TL-793	Display fails on two of the monitors when thin client is connected to six 4K monitors.	
TL-796	Display fails on one of the monitors when thin client is connected to five 4K monitors.	
TL-816	Wyse 5070 thin client device picture is not available in the Wyse Management Suite server.	There is no workaround.
TL-819	The texts are blurred after dragging the System Information applet.	There is no workaround.
TL-853	As per EDD data, only supported resolution must be displayed when you connect AMD DisplayPort.	There is no workaround.
TL-866	Device type is blank on the Wyse Management Suite server UI.	There is no workaround.
TL-874	PromptPassword=Yes option does not work.	There is no workaround.
TL-877	Unable to open HTML5 links from communication tab.	There is no workaround.
TL-878	Language Keyboard layout is not mapped in the Keyboard Mapping.	There is no workaround.
TL-883	The keys AA and `` do not work in German keyboard.	There is no workaround.
TL-887	Ericom menu bar options are not showing with respective system language.	There is no workaround.
TL-891	Device unlock takes more than 10 seconds occasionally.	There is no workaround.
TL-896	Ericom menu bar options are getting focus while doing keyboard typing in the console.	There is no workaround.
TL-923	Compatibility issue with intel AC-9560 Wifi/Bluetooth card may result in a display flicker every 30 seconds on high-resolution.	Lower the screen resolution.
TL-931	On the screen capture display window, CCM must be renamed to WMS .	There is no workaround.
TL-936	Ping functionality does not work with Citrix server session.	There is no workaround.

Issue ID	Description	Workaround
TL-937	Display through DisplayPort2 fails, when three 4k monitors are connected.	There is no workaround.
TL-943	Taskbar is displayed on both the monitors when 4k resolution is applied and when monitor alignment is vertical.	There is no workaround.
TL-945	Taskbar icons disappear when monitor rotation is set to Left or Right.	There is no workaround.
TL-946	DCM deb package command-monitor does not display packages list.	There is no workaround.
TL-962	Unable to retain color of background and text in Ericom.	There is no workaround.
TL-974	Multimedia cannot be disabled through INI.	There is no workaround.
TL-985	Citrix server connection is launched in seamless resolution instead of default when the connection is created using INI parameters.	There is no workaround.
TL-817	Display window does not function for a few seconds when you change the resolution and layout.	There is no workaround.
TL-900	CAC is not found when onboard reader is used with SC to logon VDI.	There is no workaround.
TL-944	Citrix session fails to launch on both monitors in span mode when you set rotation for monitor 1 as left and monitor 2 as right.	There is no workaround.
TL-947	When VMWareViewExcludeUSBFamily ini parameter is set, Intel Bluetooth Adapter is listed under Connect USB Device menu.	There is no workaround.
TL-956	Disks and drives details are populated with wrong data.	There is no workaround.
TL-961	Sound is set to blank in Experience tab, when RDP connection is created with Sound=off INI parameter.	There is no workaround.
TL-963	Two Citrix links are available in the system settings however it is unable to enumerate desktops when Citrix add-on is upgraded to new version.	There is no workaround.
TL-964	Show Favorites option from View menu remains disabled when enabled after launching the session.	There is no workaround.
TL-966	When the connection is created through INI, Enable MMR is disabled for PCoIP and Blast protocol.	There is no workaround.
TL-970	Default resolution (1920x1080) is missing in VGA display for connecting two monitors.	There is no workaround.
TL-972	Terminal COM port is not mapped in Citrix session.	There is no workaround.
TL-973	Wyse 5070 thin client COM port redirection does not work in RDP.	There is no workaround.
TL-975	Multimedia redirection does not work if Citrix RTME is uninstalled and installed.	There is no workaround.
TL-977	GDM fails if you turn the device on without connecting the monitor.	There is no workaround.
TL-980	All drop-down lists are not displayed when connecting two non-4k and one 4K monitors.	There is no workaround.
TL-983	Message sent by Wyse Management Suite admin is not shown completely after 60 characters when message contains no space.	There is no workaround.

Issue ID	Description	Workaround
TL-986	In PAM login, switch to admin—Alt+Ctrl+Shift+F11—does not work.	There is no workaround.
TL-987	L-Shape Vertical Mode display is not set properly in dual monitor.	There is no workaround.
TL-991	Display INI parameters does not work after switching the network off and on.	There is no workaround.
TL-992	Changing GUI from vertical to horizontal display does not work.	There is no workaround.
TL-995	In vertical and 2-screens per row layout, RDP sessions taskbar appeared in different monitors instead of primary monitor.	There is no workaround.
TL-997	Display setting does not take effect if you change the display settings in thinuser.	There is no workaround.
TL-998	In <code>xrandr</code> DisplayPort are not set.	There is no workaround.
TL-1000	Add-ons are not removed from client when you publish Advanced-RemoveAddons policy from Wyse Management Suite.	There is no workaround.
TL-1001	Missing keyboard UI settings for Dutch language.	There is no workaround.
TL-1007	Removable disk is disconnected when copying files more than 1 GB size.	There is no workaround.
TL-1010	System setting window fails to stay on secondary monitor even after clicking back button from system setting window.	There is no workaround.
TL-1011	Screen blacks out for few seconds after every reboot when six monitors are connected.	There is no workaround.
TL-1012	Display fails when monitor is connected through mDP to VGA from any mDP port.	There is no workaround.
TL-1013	5070 [Dual Display]: VMware fails to expand on all both the monitors when monitor 1 rotation set as left and monitor 2 rotation set as right.	There is no workaround.
TL-1014	Invoked window expands on both primary and secondary monitors in RDP session. This occurs when monitor 1 rotation is set as left and monitor 2 rotation is set as right.	There is no workaround.
TL-1015	Client fails to respond to mouse clicks on open Mozilla Firefox browser on the top of System Settings in P2418HT touch monitor.	There is no workaround.

Supported peripherals

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

Upgrading ThinLinux using Wyse Management Suite

Prerequisite

Use Wyse Management Suite version 1.1 or later versions to deploy the required add-ons for the upgrade process.

About this task

This section describes the steps to upgrade ThinLinux using Wyse Management Suite:

Steps

- 1 Install the following add-ons on your thin client based on the following scenarios:

- **Scenario 1**—If your thin client is running ThinLinux version 1.0.4 or 1.0.4.1.
 - **Scenario 1.A**—If you are using Wyse Management Suite with cloud deployment, download and install the following add-ons available at support.dell.com.
 - **Platform_util-1.0.26-0.3.x86_64.rpm** or later versions—This add-on is available as *ThinLinux 2.0 for Dell Wyse 3040 Thin Clients Platform Utility Addon*.
 - **wda-2.1.23-00.01.x86_64.rpm** or later versions—This add-on is available as *ThinLinux 2.0 for Dell Wyse 3040 Thin Clients WDA Addon*.
 - **merlin_nonpxe_3.7.7-00.05.x86_64.rpm** or later versions—This add-on is available as *ThinLinux 2.0 for Dell Wyse 3040 Thin Clients Merlin Non-PXE Addon*.
 - **Scenario 1.B**—If you are using Wyse Management Suite with on-premises deployment, install the following add-ons available at **Apps & Data** in the **Thin Client App** Inventory on Wyse Management Suite console.
 - **Platform_util-1.0.26-0.3.x86_64.rpm** or later versions
 - **wda-2.1.23-00.01.x86_64.rpm** or later versions
 - **merlin_nonpxe_3.7.7-00.05.x86_64.rpm** or later versions
- If any of the add-ons are not available in the Wyse Management Suite repository, then you can download and install the add-ons available at support.dell.com.
- **Scenario 2**—If your thin client is running ThinLinux version 1.0.7.1, and you are using Wyse Management Suite with cloud deployment or on-premises deployment, then download and install the **merlin_nonpxe_3.7.7-00.05.x86_64.rpm** add-on available at support.dell.com. This add-on is available as *ThinLinux 2.0 for Dell Wyse 3040 Thin Clients Merlin Non-PXE Addon*.

NOTE: The **merlin_nonpxe_3.7.7-00.05.x86_64.rpm** add-on is mandatory to upgrade ThinLinux v1.0.x to v2.0. If this add-on is not installed, the image installation fails. If you use an older version of the add-on, a grub error is displayed.

- 2 Download the latest ThinLinux v2.0 image file (**2.0.19.31428_3040_16GB_HF_merlin.exe**) available at support.dell.com. This image file is available as *ThinLinux 2.0 for Dell Wyse 3040 Thin Clients*.
- 3 Reboot the thin client.
- 4 Go to **Settings > Management > Wyse Device Agent**.
- 5 Register the device to the Wyse Management Suite server.
- 6 Log in to the Wyse Management Suite server.
- 7 Copy the downloaded image (**2.0.19.31428_3040_16GB_HF_merlin.exe** file) to **<drive C>/wms/localrepo/repository/osimages/zipped/**.
- 8 Log in to the Wyse Management Suite console.
- 9 Go to **Apps & Data > OS Image repository > WES/ThinLinux** and verify that the ThinLinux image is available.
- 10 Go to **Apps & Data > OS Image policies (WES/ThinLinux)** and click **Add Policy**.
- 11 Update the required fields, and click **Save**.
- 12 Schedule the job.
- 13 Click **Update now** on the client to update the image.

Citrix ICA Version 13.10 Add-on

Release type and definition

This release notes contains information about the add-on to update Citrix ICA client to the latest version 13.10. This add-on is supported on Wyse 3040 thin client with ThinLinux build 2.0.19.X and Wyse 5070 thin client with ThinLinux build 2.0.27.X.

To download and install the add-on, see [Installing add-on](#).

Priority and recommendations

Recommended: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

New features

- Cryptographic update**

On a secure network connection, Cipher suites with the prefix TLS_RSA do not support Forward Secrecy. However, the Citrix Receiver for Linux allows you to enable these cipher suites, and is backward compatible to support the earlier versions of XenApp and XenDesktop.

- Multi-monitor layout persistence**

This feature allows you to relaunch a session in the same desktop position that is configured in the previous desktop session.

For more information, see **Receiver 13.10 for Linux** at www.citrix.com

New INI parameters

Table 14. INI parameter

INI Parameter	Value type	Description
SaveMultiMonitorPref={Yes, No}	Boolean—Yes/No	If this feature is enabled, and you click Save Layout on the launched session toolbar, the session layouts are saved in Storefront.
EnableTLSRSA={Yes, No}	Boolean—Yes/No	By default, the parameter <code>Enable_TLS_RSA_</code> is set to Yes . Use this parameter to enable or disable the deprecated cipher suites.
EnableRC4MD5={Yes, No}	Boolean—Yes/No	By default, the parameter <code>Enable_RC4-MD5</code> is set to No . Set this parameter to Yes to enable the RC4-MD5 cipher suite.

INI Parameter	Value type	Description
EnableRC4128SHA={Yes, No}	Boolean—Yes/No	By default, the parameter Enable_RC4_128_SHA is set to No . Set this parameter to Yes to enable the RC4_128_SHA cipher suite.

Build information

Table 15. Build information

Add-on	Build file name	Build size
Debian add-on	ica_13.10.0.20-04_amd64.deb	11,463,890 bytes
RSP add-on	ica_13.10.0.20-04_amd64.rsp	11,465,869 bytes

Test environment

Table 16. Test environment for XenDesktop VDI

VDI version	Desktop			Server operating system			Applications
	Windows 7 Enterprise	Windows 8.1 Enterprise	Windows 10 Enterprise	Windows Server 2008 R2	Windows Server 2012 R2	Windows Server 2016	
XenDesktop 7.15	Yes	Yes	Yes	Yes	Yes	Yes	Yes
XenDesktop 7.17	No	No	Yes	No	Yes	Yes	Yes
XenDesktop 7.18	No	No	Yes	No	Yes	Yes	Yes

Table 17. Test environment for XenApp VDI

VDI version	Server operating system			Applications
	Windows Server 2008 R2	Windows Server 2012 R2	Windows Server 2016	
XenApp 7.15	Yes	Yes	Yes	Yes
Xen App 7.18	No	Yes	Yes	Yes

Supported platforms

Table 18. Supported platform

Platform	Memory configuration	Supported BIOS version	Supported build version
Dell Wyse 3040 thin client	16 GB Flash and 2 GB RAM	1.2.4	ThinLinux 2.0.19.31428—English Standard Build
Dell Wyse 5070 thin client	16 GB Flash and 4 GB RAM	1.0.4	ThinLinux 2.0.27.31684—English Standard Build

Fixed issues

Table 19. Fixed issue

CIR ID	Description
CIR96404	Artifacts on the desktop and Windows Start menu are not displayed on the secondary monitor on Wyse 3040 thin client that runs ThinLinux 2.0.

Known issues

Table 20. Known issues

Issue number	Description	Workaround
LS-462	After the installation of the add-on, status of the updated add-on is displayed as Original instead of Changed in system information UI.	There is no workaround.

Citrix ICA 13.9.1 Add-on

Release type and definition

This release note contains information about the add-on to update Citrix ICA client to the latest version 13.9.1. This add-on is supported on Wyse 3040 thin client with ThinLinux 2.0.

To download and install the add-on, see [Installing add-on](#).

Priority and recommendations

Recommended: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

New features

Web browser content redirection

Browser content redirection prevents rendering web pages on the Virtual Delivery Agent (VDA). The URLs are rendered by the browser using Citrix Receiver on the client. The browser runs on the endpoint instead of the VDA. It utilizes the CPU, GPU and RAM of the endpoint and does not require any graphics, video, or animation to be rendered over Thinwire.

New INI parameter

Table 21. INI parameter

INI Parameter	Value type	Description
WebPageRedirection={On, Off}	Boolean—Yes/No The default value is Yes .	If this feature is enabled, the web content is rendered on the client. If the feature is disabled, the web content is rendered on the server.

Build information

Table 22. Build information

Add-on	Build file name	Build size
Debian add-on	ica_13.9.1.6-05_amd64.deb	11,517,486 bytes
RSP add-on	ica_13.9.1.6-05_amd64.zip	11,519,415 bytes

Test environment

Table 23. Test environment for XenDesktop VDI

VDI version	Desktop			Server operating system			Applications
	Windows 7 Enterprise	Windows 8.1 Enterprise	Windows 10 Enterprise	Windows Server 2008 R2	Windows Server 2012 R2	Windows Server 2016	
XenDesktop 7.17	No	No	Yes	No	Yes	Yes	Yes
XenDesktop 7.15	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 24. Test environment for XenApp VDI

VDI version	Server operating system			Applications
	Windows Server 2008 R2	Windows Server 2012 R2	Windows Server 2016	
XenApp 7.15	Yes	Yes	Yes	Yes

Supported platform

Table 25. Supported platform

Platform	Memory configuration	Supported BIOS version	Supported build version
Dell Wyse 3040 thin client	16 GB Flash and 4 GB RAM	1.2.4	ThinLinux 2.0.19.31428—English Standard Build

Fixed issue

Table 26. Fixed issue

CIR ID	Description
CIR94588	The Swiss German language keyboard layout is not redirected to the Citrix session. This issue is fixed in this release.

Known issues

Table 27. Known issues

Description	Workaround
Citrix connection fails to launch when the connection is created using Wyse Device Manager or Wyse Management Suite with a certificate.	Install the certificate manually or upgrade to ThinLinux version 2.0.23 or a later version.
Removable disk is disconnected when you copy files with size more than 1 GB.	No workaround available.

Description	Workaround
After add-on installation, status of the updated add-on does not change and is displayed as original in the System Information tab.	No workaround available.

VMware Horizon View Client Version 4.8 Add-on

Release type and definition

This release notes contains information about the add-on to update the VMware Horizon Client to the latest version 4.8. This add-on is intended for the following platforms running ThinLinux version 2.0:

- Wyse 3040 thin client
- Wyse 5070 thin client
- Wyse 5070 extended thin client

To download and install the add-on, see [Installing add-on](#).

Priority and recommendations

Recommended: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system modules (firmware, BIOS, drivers, and software).

New features

The following are the new features in the VMware Horizon Client version 4.8 release:

- VMware Horizon Client selects an optimal network condition to deliver the best user experience with the VMware Blast protocol.

NOTE: Since the optimal transport is selected automatically, the UI and INI options for VMware Blast (Blast Extreme Advanced Transport) configurations are removed.

- VMware Horizon Performance Tracker is supported on a remote desktop that is connected using VMware Horizon Client.

For more information about the features in the VMware Horizon View Client version 4.8 release, see the *VMware Horizon Client 4.8 for Linux Release Notes* at docs.vmware.com.

Add-on details

Table 28. Add-on details

Add-on	Filename	Size
Debian	vmware-viewclient_4.8.0-8518891-00.03_amd64.deb	22,691,580 bytes
RSP	vmware-viewclient_4.8.0-8518891-00.03_amd64.zip	22,694,081 bytes

Support matrix

Table 29. Support matrix

Platform	Memory configuration—eMMC/RAM	BIOS version	Build version for ThinLinux 2.0 (English)	
Wyse 3040 thin client	16 GB/ 2 GB	1.2.4	2.0.19.31428	
Wyse 5070 thin client—Celeron processor	16 GB/ 4 GB	1.0.4	2.0.22.31472	
Wyse 5070 thin client—Pentium processor	16 GB/ 4 GB	1.0.4		
Wyse 5070 extended thin client—Pentium processor	16 GB/ 4 GB	1.0.4		

Known issues

Table 30. Known issues

Issue number	Issue description	Workaround
LS-518	If you connect a monitor to the AMD GPU DisplayPort on Wyse 5070 extended thin client, and log in to a VMware session with H.264 enabled, a blank screen is displayed.	There is no workaround available in this release.

Test environment

Table 31. Test environment

VDI version	Desktop			Server operating system			Apps
	Windows 7 Enterprise	Windows 8.1 Enterprise	Windows 10 Enterprise	Windows 2008 R2	Windows 2012 R2	Windows 2016	
VMware Horizon 7.4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VMware Horizon 7.5	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Installing add-ons

Downloading the installation file

- 1 Go to www.dell.com/support.
- 2 In the **Enter a Service Tag, Serial Number, Service Request...** field, type the Service Tag or the model number of your device, and press Enter or click the search icon.
- 3 On the product support page, click **Drivers & downloads**.
- 4 Select the appropriate operating system.
- 5 From the list, locate the file entry and click the download icon.

Install add-on using Wyse Management Suite

Prerequisites

Ensure that you download either the DEB file or RSP file of the add-on based on your preference:

- If you download the DEB file, add the file to **C:\WMS\LocalRepo\repository\thinClientApps** repository on the Wyse Management Suite server.
- If you download the RSP file, add the compressed ZIP folder to **C:\WMS\Local Repo\repository\rspPackages\zipped** repository on the Wyse Management Suite server and wait for 2-3 minutes. The compress folder is extracted automatically, and the extracted files are copied to **C:\WMS\LocalRepo\repository\rspPackages\valid**.

On Wyse 3040 thin client, you must install Wyse Device Agent (WDA) 3.2.13-01 or later versions. To update WDA to 3.2.13-01 or later versions, the thin client must have the WDA version 3.0.10-01.

About this task

This section describes the steps to install the add-on using Wyse Management Suite version 1.2 or later:

Steps

- 1 Log in to Wyse Management Suite.
- 2 Click **Portal Administration**, and then click **File Repository** under **Console Settings**.
- 3 Select the **Local Repository** check box.
- 4 Click **Sync Files**.
Wait for the synchronization process to complete. The synchronization process copies the package from the repository to **Apps and Data**.
- 5 Click **Apps and Data**.
The **Apps and Data** page is displayed.
- 6 Verify the copied package in the applications list.
- 7 To create a group in the Wyse Management Suite server, click **Groups & Configs**.
The **Groups & Configs** page is displayed.
- 8 Click the **Plus sign (+)** button and enter the required details to register your client in the same group.
- 9 Click **Apps and Data**.
The **Apps and Data** page is displayed.
- 10 Click **Thin Clients** under **App Policies**.
- 11 Click **Add Policy** to add the policy to the required group.
- 12 Update the required fields, and then click **Save**.
An **Alert** window is displayed.

13 Click **Yes**.

The lock screen is displayed during the package installation process on all the thin clients. The package is deployed immediately.

Install add-on using Wyse Device Manager

Prerequisite

Copy the RSP file to the Wyse Device Manager server. The copied RSP file is included in the ZIP file.

About this task

This section describes the steps to install the add-on by using Wyse Device Manager (WDM).

Steps

- 1 Launch Wyse Device Manager and log in using valid credentials.
- 2 Click **Applications** in the Dell Wyse Device Manager dashboard page.
The options **Images**, **Other Packages**, **Agent Update**, **Device Configuration**, and **PCoIP Device Configuration** are displayed.
- 3 Select **Other Packages**.
- 4 Click **Create Package Plus (+)**.
The application prompts to download the Package Register utility.
- 5 Click **Allow**.
The **Create Package** window is displayed.
- 6 Download the ZIP file on your local repository.
- 7 Navigate to the folder, and run the **Package Register** utility file.
The **WDM Package Registration Utility** window is displayed.
- 8 Enter WDM server address and user credentials in the respective fields.
- 9 Select **RSP** to register, and click **Browse**.
The **WDM Package Uploader** window is displayed with the progress status bar.
- 10 Click **Open**.
The list of selected packages is displayed.
- 11 Select the packages that you want to register, and click **Upload**.
The status is displayed as **Success**.
- 12 Schedule the package to the target client.
- 13 Click **Devices** and select the **Device ID** check box.
- 14 Click **Update**, and select the preferred package.
- 15 Click **Save**.
The add-ons installation is scheduled to the device and the add-on is installed to thin client.

Install the add-on manually using ThinLinux

About this task

This section describes the steps to install the add-on by using the ThinLinux UI.

Steps

- 1 Copy the add-on and the directory file to the **<root path>\add-ons** folder.
- 2 Log in to the thin client.
- 3 To enter into the **Admin mode**, click the **Switch to Admin** button.
- 4 Enter the default password.
The default password is admin.
- 5 Click the **Settings** icon on the desktop.
The **System Settings** page is displayed.
- 6 Click the **System** icon.
- 7 Click **Update settings**.
- 8 To enable the **Set update server manually** option, click the **ON/OFF** button.

- 9 Enter the URL address of the specified server in the **Update Server URL** box.
You can also enter the user name and password of the specified server in the **Update Server User Name** and **Update Server Password** box.
- 10 Click **Addons**.
- 11 Click the **Plus sign (+)** button, to install the add-ons.
- 12 Select the add-ons.
- 13 Click **Save**.
The add-on is installed on the thin client.

Install the add-on manually using ThinLinux INI parameter

About this task

This section describes the steps to install the add-on by using INI parameters.

Steps

- 1 Copy the add-on and the directory file to the <root path>\add-ons folder.
- 2 To install the add-on, add the following INI parameter:
`InstallAddons=<deb file>` in **wlx.ini**.
- 3 Log in to the thin client.
- 4 To enter into the **Admin mode**, click the **Switch to Admin** button.
- 5 Enter the default password.
The default password is admin.
- 6 Click the **Settings** icon on the desktop.
The **System Settings** page is displayed.
- 7 Click the **Management** icon.
- 8 Click **INI**.
The **Manage INI Configuration** page is displayed.
- 9 From the drop-down list, select the configuration source and provide the server details.
- 10 Click **Save**.
The following message is displayed:
System Upgradation complete. Machine will reboot now. Count down timer starts with 10 sec.
- 11 Click **OK**.
The add-on is installed on the thin client and the system restarts.

Resources and support

Accessing documents using the product search

- 1 Go to www.dell.com/support.
- 2 In the **Enter a Service Tag, Serial Number, Service Request, Model, or Keyword** search box, type the product name. For example, Wyse 3040 thin client or Wyse ThinOS.
A list of matching products is displayed.
- 3 Select your product and click the search icon or press Enter.
- 4 Click **Manuals & documents**.

Accessing documents using product selector

You can also access documents by selecting your product.

- 1 Go to www.dell.com/support.
- 2 Click **Browse all products**.
- 3 Click **Thin Clients**.
- 4 Click the desired category, either **Wyse Hardware** or **Wyse Software**.
- 5 Click the desired product.
- 6 Click **Manuals & documents**.

Additional resources

Table 32. Additional resources

Resource	Content
Dell support website— www.dell.com/manuals .	Administrator's Guide, INI Reference Guide, and Release Notes.
Citrix support website— docs.citrix.com .	Documentation for Citrix software.
VMware support website— docs.vmware.com .	Documentation for VMware software.
Microsoft support website— support.microsoft.com .	Documentation for Microsoft software.

Contacting Dell

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for technical support or customer service issues, see www.dell.com/contactdell.

If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or the product catalog.