Notes, cautions, and warnings

ℹ️ **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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Overview

Preupgrade add-on for Wyse 3040 thin client Release Notes

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  - System proxy settings
  - Firefox network proxy settings
  - SCEP HTTPS support
- Configure system lock
- Home icon and back button in settings app
- Firewall Support
- Custom Info support
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Upgrade ThinLinux 2.0 to 2.1 on Wyse 5070 thin client
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- Important notes
  - FeatureEnhancementChange 1 **OPTIONAL**
  - FeatureEnhancementChange 2 **OPTIONAL**
  - FeatureEnhancementChange 3 **OPTIONAL**

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</tr>
<tr>
<td>Priority and recommendations</td>
<td>30</td>
</tr>
<tr>
<td>Compatibility</td>
<td>30</td>
</tr>
<tr>
<td>Supported platforms</td>
<td>30</td>
</tr>
<tr>
<td>Previous version</td>
<td>30</td>
</tr>
<tr>
<td>Supported operating systems</td>
<td>30</td>
</tr>
<tr>
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<td>31</td>
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<tr>
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</tr>
<tr>
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<td>32</td>
</tr>
<tr>
<td>Compatibility</td>
<td>32</td>
</tr>
<tr>
<td>Supported operating systems</td>
<td>32</td>
</tr>
<tr>
<td>Previous versions</td>
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</tr>
<tr>
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</tr>
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</table>
Overview

Wyse ThinLinux 2.1 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.
The following section lists the platforms that are supported in each ThinLinux 2.1 release, and the add-ons required for ThinLinux 2.1.

**Table 1. ThinLinux 2.1.x version matrix**

<table>
<thead>
<tr>
<th>Release version</th>
<th>Release date</th>
<th>Supported platforms</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.0.00</td>
<td>December 2018</td>
<td>Wyse 3040 thin client</td>
<td>ThinLinux version 2.1.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wyse 5070 thin client</td>
<td></td>
</tr>
</tbody>
</table>

**Table 2. Security update add-on**

<table>
<thead>
<tr>
<th>Release version</th>
<th>Release date</th>
<th>Supported platforms</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.0.01</td>
<td>December 2018</td>
<td>Wyse 3040 thin client</td>
<td>Security update for Dell Wyse password encoder.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wyse 5070 thin client</td>
<td></td>
</tr>
</tbody>
</table>

**Table 3. Citrix HDX RTME add-on**

<table>
<thead>
<tr>
<th>Release version</th>
<th>Release date</th>
<th>Supported platforms</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7</td>
<td>February 2019</td>
<td>Wyse 3040 thin client</td>
<td>Citrix HDX RTME 2.7 add-on.</td>
</tr>
<tr>
<td>2.6</td>
<td>January 2019</td>
<td>Wyse 5070 thin client</td>
<td>Citrix HDX RTME 2.6 add-on.</td>
</tr>
</tbody>
</table>

**Table 4. VMware Horizon View Client add-on**

<table>
<thead>
<tr>
<th>Release version</th>
<th>Release date</th>
<th>Supported platforms</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.10</td>
<td>January 2019</td>
<td>Wyse 3040 thin client</td>
<td>VMware Horizon client 4.10 add-on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wyse 5070 thin client</td>
<td></td>
</tr>
</tbody>
</table>

**Table 5. Ericom PowerTerm add-on**

<table>
<thead>
<tr>
<th>Release version</th>
<th>Release date</th>
<th>Supported platforms</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.3.0.0.20171015.1-01</td>
<td>January 2019</td>
<td>Wyse 3040 thin client</td>
<td>Ericom power term add-on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wyse 5070 thin client</td>
<td></td>
</tr>
</tbody>
</table>

**Table 6. Wyse Settings add-on**

<table>
<thead>
<tr>
<th>Release version</th>
<th>Release date</th>
<th>Supported platforms</th>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.02.0-77</td>
<td>January 2019</td>
<td>Wyse 3040 thin client</td>
<td>Wyse settings add-on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wyse 5070 thin client</td>
<td></td>
</tr>
</tbody>
</table>
Release type and definition

This release includes new features and bug fixes for ThinLinux 2.1 platforms.

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).

Supported platforms

Table 7. Supported platforms

<table>
<thead>
<tr>
<th>Platforms</th>
<th>Memory Configuration (eMMC/RAM)</th>
<th>UEFI BIOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 5070 thin client with Celeron processor</td>
<td>16 GB/4 GB</td>
<td>1.1.3 and above</td>
</tr>
<tr>
<td>Wyse 5070 thin client with Pentium processor</td>
<td>16 GB/4 GB</td>
<td></td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>16 GB/4 GB</td>
<td>1.2.5 and above</td>
</tr>
</tbody>
</table>

Table 8. Build details

<table>
<thead>
<tr>
<th>Platforms</th>
<th>Version</th>
<th>Build number</th>
<th>Build file name</th>
<th>Size in bytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 5070 thin client</td>
<td>4.13.0-1028-oem</td>
<td>2.1.0.00</td>
<td>2.1.0.00_5070_merlin_16GB.exe</td>
<td>1,636,391,145</td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>4.13.0-1028-oem</td>
<td>2.1.0.00</td>
<td>2.1.0.00_3040_merlin_16GB.exe</td>
<td>1,643,163,717</td>
</tr>
</tbody>
</table>

Table 9. Supported imaging

<table>
<thead>
<tr>
<th>Imaging solution</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB</td>
<td>3.1.0.28393</td>
</tr>
<tr>
<td>Wyse Management Suite</td>
<td>1.2 or later</td>
</tr>
</tbody>
</table>

New features

The following are the new features in this release:

- USB manager
- System proxy settings
- Firefox network proxy settings
- SCEP HTTPS support
- Configure system lock
- Home icon and back button in settings app
- Firewall support
- Custom Info support
- Hide default desktop options
- Force download wallpaper
- Desktop appliance mode with Citrix NetScaler Gateway server
NOTE: For more information about configuring the UI settings, see the ThinLinux 2.1 Administrator’s Guide. For information about newly added INI parameters, see the ThinLinux 2.1 INI Reference Guide.

USB Manager

USB Manager is a new feature to manage USB ports and devices. This feature allows the ports and devices to be configured using UI and INI parameters.

- **USB ports**—You can allow or block the USB ports with this feature. This feature configures USB ports in BIOS USB configuration settings. This feature can be set to on or off using UI or INI parameters.
  - **Enable USB boot support**—This feature enables USB boot support. By default this feature is turned on.
  - **Enable front USB ports**—This feature enables the front USB ports. By default this feature is turned on.
  - **Enable rear USB ports**—This feature enables the rear USB ports. By default this feature is turned on.
- **USB Devices**—You can manage the devices connected to the thin client using UI or INI parameters. Only one of the following features can be enabled at an instance.
  - **Enable all USB devices**—By default this feature is turned on. If this feature is enabled, the USB devices connected to the thin client are detected and work as expected. If the feature is disabled, one of the following features must be enabled:
    - Disable all USB Device
    - Disable all USB Devices excluding HID
    - Disable by USB Class
  - **Disable all USB devices**—By default this feature is turned off. If this feature is enabled, the USB devices connected to the thin client are not detected. If the feature is disabled, one of the following features must be enabled:
    - Disable all USB Device
    - Disable all USB Devices excluding HID
    - Disable by USB Class
  - **Disable all USB Devices excluding HID**—By default, this feature is turned off. If this feature is enabled, USB devices are not detected. This excludes Human Interface Devices (HID) like keyboard and mouse. If the feature is disabled, one of the following features must be enabled:
    - Disable all USB Device
    - Disable all USB Devices excluding HID
    - Disable by USB Class
  - **Disable by USB Class**—By default this feature is turned off. This feature can be used to configure USB devices, based on the USB device class. If a device class option is enabled, all the USB devices belonging to that particular USB class are not detected. If a device class option is disabled, all the USB devices belonging to that particular USB class are detected.

When **Disable by USB Class** option is turned on, the following supported USB device classes are listed and all the options are turned off by default:
- Disable Video Devices
- Disable Storage Devices
- Disable Smartcard Devices
- Disable Audio Devices
- Disable Printer Devices

NOTE: Any video devices connected to the thin client stop responding when you disable all the audio devices as each video device has an audio component.

System proxy settings

This feature can be used to set system network proxy settings through INI parameters.

<table>
<thead>
<tr>
<th>Proxy method</th>
<th>INI parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Proxy_Method=None</td>
<td>This parameter resets the proxy settings which are set before.</td>
</tr>
</tbody>
</table>
### Proxy method

<table>
<thead>
<tr>
<th>Proxy method</th>
<th>INI parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic</td>
<td>Proxy_Method=Automatic \ URL=&lt;proxy server url&gt;</td>
<td>This parameter sets the automatic proxy.</td>
</tr>
<tr>
<td>Manual Proxy</td>
<td>Proxy_Method=Manual \ Ignore_Host=&lt;url want to ignore&gt; \ Http_Host=&lt;proxy server url&gt; \ Http_Port=&lt;proxy server port&gt; \ Https_Host=&lt;proxy server url&gt; \ Https_Port=&lt;proxy server port&gt; \ Ftp_Host=&lt;proxy server url&gt; \ Ftp_Port=&lt;proxy server port&gt; \ Socks_Host=&lt;proxy server url&gt; \ Socks_Port=&lt;proxy server port&gt;</td>
<td>These parameters can be used to set manual proxy.</td>
</tr>
</tbody>
</table>

**NOTE:** For more information about the INI parameters, see the *Dell Wyse ThinLinux Version 2.1 INI Reference Guide* at [www.dell.com/support](http://www.dell.com/support).

### Firefox network proxy settings

This feature can be used to set Firefox network proxy settings through INI parameters.

**Table 11. List of Firefox network proxy INI parameters**

<table>
<thead>
<tr>
<th>Proxy Type</th>
<th>INI Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Proxy</td>
<td>Firefox.Proxy=None</td>
<td>This parameter sets the Firefox proxy to none and resets the proxy settings which is set before.</td>
</tr>
<tr>
<td>Auto Detect</td>
<td>Firefox.Proxy=AutoDetect</td>
<td>This parameter sets the Firefox proxy to Auto Detect.</td>
</tr>
<tr>
<td>System Proxy</td>
<td>Firefox.Proxy=SystemProxy</td>
<td>This parameter sets the Firefox proxy to use System Proxy.</td>
</tr>
<tr>
<td>Manual Proxy</td>
<td>Firefox.Proxy=Manual \ Http_Host=&lt; proxy server url &gt; \ Http_Port=&lt; proxy server port &gt; \ Https_Host=&lt; proxy server url &gt; \ Https_Port=&lt; proxy server port &gt; \ Ftp_Host=&lt; proxy server url &gt; \ Ftp_Port=&lt; proxy server port &gt; \ Socks_Host=&lt; proxy server url &gt; \ Socks_Port=&lt; proxy server port &gt; \ NoProxy_For=&lt;exclude list&gt; \ Socks_Version=&lt;socks version&gt;</td>
<td>This parameter sets the Firefox proxy to manual and specifies the host IP and port details.</td>
</tr>
<tr>
<td>Proxy Config</td>
<td>Firefox.Proxy=ProxyConfig \ Proxy_URL=&lt;proxy config url&gt;</td>
<td>This parameter sets the Firefox proxy through the proxy configuration file and sets the proxy configuration URL.</td>
</tr>
</tbody>
</table>

**NOTE:** For more information about the INI parameters, see the *Dell Wyse ThinLinux Version 2.1 INI Reference Guide* at [www.dell.com/support](http://www.dell.com/support).
SCEP HTTPS support

This feature enables you to deploy certificates with HTTPS Simple Certificate Enrollment Protocol (SCEP). The 802.1X authentication can be executed with HTTPS SCEP certificate for ThinLinux user and ThinLinux machine. This feature can be set using UI and INI parameters.

To set up HTTPS support through UI:

1. Go to Settings > Management > SCEP > Add a new Certificate
2. Enter the following details:
   - Description—<SCEP certificate description>
   - Server URL—https://<FQDN>/certsrv/mscep/mscep.dll
   - Challenge password—<challenge password>
   - CA Distinguished Name—<SCEPDC>
3. Click Save.
4. Click Enroll and verify the SCEP certificate.

**NOTE:** SCEP certificates used for 802.1x authentication are displayed under System Settings > Certificates. If you want to install the CA root certificate manually you must disable the auto-download of CA certificate. The certificate name must be cacert.der and the certificate must be in the DER format only.

To enable the HTTPS support using the INI parameter, set the following parameters in wlx.ini:

1. SCEPCLIENTCERTSETTINGS=CertName=<Certname> \\  \
   URL=https://<FQDN>/certsrv/mscep/mscep.dll \\  \
   ChallengePassword=<challenge password> \\  \
   CADN=Marigold.local \\  \
   AutoEnroll=Yes
2. Download the INI files to the thin client, and verify if the SCEP certificate is enrolled successfully.

**NOTE:** For more information about the INI parameters, see the Dell Wyse ThinLinux Version 2.1 INI Reference Guide at www.dell.com/support.

Configure system lock

This feature is used to enable or disable system manual lock—CTRL+ALT+L or Win+ L keys. This feature can be enabled or disabled through UI or INI parameters. To set this feature using UI go to System > Power > Power saver setting. Set Turn off screen after with the required value from the drop down list.

**NOTE:** For more information about the INI parameters, see the Dell Wyse ThinLinux Version 2.1 INI Reference Guide at www.dell.com/support.

Home icon and back button in settings app

Home icon is added in the Settings app for easy navigation. The home icon is disabled in the Settings home page. When you navigate to other pages on the Settings app the home icon is enabled. You can navigate back to the Settings app home page when you click the home icon.

Back button is added in all the level 3 pages in Settings app. When you click on this button, you can navigate to the previous level in the Settings app. For example, consider Connections > Browser > Create a new Browser connection. When you click the back button you can navigate to the Browser page.

Firewall Support

This feature can be used to configure system firewall settings. This can be enabled or disabled through UI or INI. To set this feature using UI go to Settings > Security > Firewall. Enable Firewall and enter the firewall configuration script. For example,

- /sbin/iptables -A OUTPUT -p icmp --icmp-type 8 -j DROP
- /sbin/iptables -A INPUT -p icmp --icmp-type 8 -j DROP

To configure this feature using INI parameters, set the following parameters:

- Firewall, Enable=Yes \"
Place the script in the `wyse/wlx2/firewall` directory on the INI server.

For more information about the INI parameters, see the Dell Wyse ThinLinux Version 2.1 INI Reference Guide at [www.dell.com/support](http://www.dell.com/support).

**Custom Info support**

This feature is used to configure the Custom Info page on the thin client. This can be enabled or disabled through UI, INI parameters, Wyse Device Manager, and Wyse Management Suite. Values set in the Custom Info field is reflected in System information > Identity > Custom Info. To set this feature using UI, go to System information > Identity > Custom Info. Enter the values for location, contact, custom1, custom2, custom3 and click Save. The custom info is saved successfully and reflects on the System information.

To set the Custom Info using Wyse Device Manager check in the thin client to WDM server.

1. Log in to WDM web console using valid credentials.
2. Select the client and select Update device information.
3. Enter the valid values for location, contact, custom 1, custom 2, and custom 3.
4. Click Save.
5. Restart the client.

To set the Custom Info using Wyse Management Suite check in the thin client to Wyse Management Suite server.

1. Log in to Wyse Management Suite web console using valid credentials.
2. Go to Groups and Config > Edit policies > Device info.
3. Enter the valid values for location, contact, custom 1, custom 2, and custom 3.
4. Click Save and Publish.
5. Restart the client.

**Hide default desktop options**

This feature can be used to hide the default desktop icons in user mode. The feature can be enabled or disabled through UI or INI parameters. To set this feature using the UI go to Settings > System > Other settings > Hide Desktop Icons.

**NOTE:** For more information about the INI parameters, see the Dell Wyse ThinLinux Version 2.1 INI Reference Guide at [www.dell.com/support](http://www.dell.com/support).

**Force download wallpaper**

This feature is used to configure force download the wallpaper. Wallpaper images must be placed in `wyse/wlx2/bitmap` on INI server.

To enable the force download set the following parameters in `wlx.ini`:

- Desktop=Silence.jpg
- Layout=Center
- Opacity=25
- ForceDownload=Yes

To disable the force download set the following parameters in `wlx.ini`:

- Desktop=Silence.jpg
- Layout=Center
- Opacity=25
- ForceDownload=No

For more information about the INI parameters, see the Dell Wyse ThinLinux Version 2.1 INI Reference Guide at [www.dell.com/support](http://www.dell.com/support).

**Desktop appliance mode with Citrix NetScaler Gateway server**

This feature enables you to login to Citrix server using NetScaler Gateway server.

1. To enable Citrix go to Connections > Citrix > Manage Citrix > Global settings. Enter the NS GW Server from and store name.
2. Select the browsing protocol as HTTPS and save the settings. Go to System > Desktop Appliance mode > Enable VDI Theme. Select the connection type as Storefront and save the settings.
3. Restart the client.

The desktop appliance mode login window is displayed. User can log in to the desktop appliance mode.

Localization

The following features are localized in ThinLinux 2.1 with respect to the supported languages:

Table 12. Localization

<table>
<thead>
<tr>
<th>Feature</th>
<th>UI path</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB controller</td>
<td>Settings &gt; Peripherals &gt; USB manager</td>
</tr>
<tr>
<td>Custom Info</td>
<td>Settings &gt; System &gt; Custom Info</td>
</tr>
<tr>
<td>Hide default desktop options</td>
<td>Settings &gt; Other Settings &gt; Hide Desktop Icons</td>
</tr>
<tr>
<td>Back button</td>
<td>All third level UI pages in Settings page.</td>
</tr>
<tr>
<td>Firewall</td>
<td>Security &gt; Firewall</td>
</tr>
</tbody>
</table>

Connections and third party applications

Citrix Receiver 13.10

- 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 Xen Desktop.
- Multi-monitor layout persistence—This feature allows you to save the position of a desktop session, and then relaunch it in the same position. This feature avoids the overhead of repositioning sessions at every launch. It empowers you to dynamically adjust and save the layout information across endpoints, thus optimizing the end user experience in multi-monitor environments.

Table 13. INI parameters

<table>
<thead>
<tr>
<th>Task</th>
<th>INI parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICA Cryptographic Updates</td>
<td>EnableTLSRSA=(yes/no)</td>
</tr>
<tr>
<td></td>
<td>EnableRC4MD5=(yes/no)</td>
</tr>
<tr>
<td></td>
<td>EnableRC4128SHA=(yes/no)</td>
</tr>
<tr>
<td>Multimonitor Layout Persistence</td>
<td>SaveMultiMonitorPref=(yes/no)</td>
</tr>
</tbody>
</table>

For more information about the Citrix features, see Citrix Receiver 13.10 for Linux document at www.citrix.com

VMware 4.8

- 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.

Google Chrome

Google Chrome is updated to the latest version 68.0.3440.75. By default, the ThinLinux 2.1 image includes the Chrome OPT add-on.

Fixed issues

Table 14. Fixed issues

<table>
<thead>
<tr>
<th>JIRA ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-493</td>
<td>The Settings applet must be moved from the desktop. Require an option to hide the Settings applet.</td>
</tr>
</tbody>
</table>
### JIRA ID | Description
---|---
LS-494 | Built-in Firefox is available for the PNAgent users.
LS-478 | Add HTTPS support for SCEP certificate management.
LS-529 | Citrix Appliance mode does not work with Citrix Gateway access gateway and Citrix Virtual apps and desktops.
TL-1081 | Chrome browser is launched, when you hold Shift or Ctrl key, and then click any of the settings icons.
TL-1076 | Printer settings window must not be displayed more than once.
TL-1074 | Printer popup window does not close, when you switch to User Mode.
TL-1100 | Auto Start connections do not launch after restarting the device with WLAN connectivity.
LS-638 | The Arduino Uno R3 microcontroller is not mapped in to the Citrix session.

### Security updates

The following security issues are fixed in ThinLinux 2.1 release:
- CVE-2018-8897: Kernel Elevation of Privilege Vulnerability
- CVE-2018-3639: Variant 4 Derivatives of Side Channel
- CVE-2018-3640: Variant 3a of Side Channel

### Known issues

#### Table 15. Known issues

<table>
<thead>
<tr>
<th>JIRA ID</th>
<th>Description</th>
<th>Workaround</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-571</td>
<td>The user can save Manage USB Port settings through GUI by using incorrect BIOS password. However, the changes are not applied in the BIOS settings.</td>
<td>Enter the appropriate password.</td>
</tr>
<tr>
<td>LS-573</td>
<td>Google Chrome browser takes 30–60 seconds to open, when you launch the browser the first time after imaging or after factory reset.</td>
<td>There is no workaround. Issue occurs only for the first time.</td>
</tr>
<tr>
<td>LS-577</td>
<td>The Connect USB Device option is listed in the VMware View drop-down list after parsing the INI. USB_Rule=Deny._Class Class=Storage</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>LS-588</td>
<td>Unable to set the Custom Info parameters from Wyse Management Suite server.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>LS-607</td>
<td>Changes that are made in BIOS settings do not reflect in the USB Manager UI when the INI parameters for USB Devices are configured on the client without the BIOS administrator password.</td>
<td>Set the BIOS password.</td>
</tr>
<tr>
<td>LS-609</td>
<td>Firewall UI settings do not revert to the previous settings, when you click Cancel to discard the changes in the Enable Firewall confirmation window.</td>
<td>You can save without clicking cancel.</td>
</tr>
<tr>
<td>TL-1169</td>
<td>ThinLinux 2.1—CAC user is successfully logged in to Citrix and VMware connection broker with an invalid PIN.</td>
<td>Enter the appropriate PIN.</td>
</tr>
<tr>
<td>TL-1168</td>
<td>ThinLinux 2.1—CAC is not found in the login page of XenApp 7.18 desktop server 2016 R2.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1167</td>
<td>ThinLinux 2.1—CAC is not found after removing the smart card with VMware Horizon 7.5.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>JIRA ID</td>
<td>Description</td>
<td>Workaround</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>------------</td>
</tr>
<tr>
<td>TL-1162</td>
<td>ThinLinux 2.1—Browsed History is not cleared in the new browser connection, when clear browser data is turned on.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1165</td>
<td>ThinLinux 2.1—After factory reset, History, and Downloads options are not blocked in Chrome browser.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1164</td>
<td>ThinLinux 2.1—COM2 port is not displayed in the Port section, when Ericom Power term connection is created through INI.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1151</td>
<td>ThinLinux 2.1—802.1x configuration settings are not preserved across system restarts.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1140</td>
<td>ThinLinux 2.1—Chrome Browser is opened with the set as default browser option enabled.</td>
<td>You can set Chrome as the default browser as Chrome browser works without any impact.</td>
</tr>
<tr>
<td>TL-1144</td>
<td>ThinLinux 2.1—Turn off functionality for H.264 for RDP in VMWare does not work.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1155</td>
<td>ThinLinux 2.1—After factory reset, power settings do not use the default values for lock screen. It is set to Never.</td>
<td>This issue occurs occasionally. You can set the required value.</td>
</tr>
<tr>
<td>TL-1029</td>
<td>ThinLinux 2.0 for 5070—Smart card is not found during logon with RDP connection through the onboard smart card reader.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1028</td>
<td>ThinLinux 2.0 for 5070—CAC is not found during logon with VMware Horizon session host with the onboard smart card reader.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1094</td>
<td>ThinLinux 2.0 and ThinLinux 2.1—After doing OEM branding, the services list is displayed during the system boot.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-853</td>
<td>ThinLinux 2.0—As per EDD data, only the supported resolution must be displayed when you connect to the AMD DP port on Wyse 5070 thin client.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-962</td>
<td>ThinLinux 2.0—The color of background and text in Ericom are not retained.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-896</td>
<td>ThinLinux 2.0—Ericom menu bar options are selected while typing using the keyboard in the console.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-731</td>
<td>ThinLinux 2.0—On Wyse 5070 thin client, after you connect from hidden network, the wireless network connection is disconnected when you restart and turn off the client.</td>
<td>Reconnect to the wireless network after restarting the client.</td>
</tr>
<tr>
<td>TL-729</td>
<td>ThinLinux 2.0—Two network profile connections are displayed when you click the network icon in task bar.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-980</td>
<td>ThinLinux 2.0 for 5070—The complete drop-down list is not displayed when two non-4k and one 4K monitors are connected.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-409</td>
<td>ThinLinux 2.0—Screen keyboard is displayed, however, you cannot enter any characters in the User to admin mode window.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1088</td>
<td>ThinLinux 2.0—GDM login screen remains blank when you image with dual monitor.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1052</td>
<td>ThinLinux 2.1—Multiple outputs are displayed in sound settings when you insert the USB headset.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1079</td>
<td>ThinLinux 2.0—Unable to close, minimize, or maximize the settings window on the Manage Citrix PAM login page.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-874</td>
<td>ThinLinux 2.0 for 5070—PromptPassword=Yes option does not work.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-878</td>
<td>ThinLinux 2.0 Ericom—Language Keyboard layout is not mapped in the keyboard mapping.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>JIRA ID</td>
<td>Description</td>
<td>Workaround</td>
</tr>
<tr>
<td>--------</td>
<td>---------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>TL-877</td>
<td>ThinLinux 2.0 Ericom—Unable to open HTML5 links from the communication tab.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1065</td>
<td>ThinLinux 2.0—While switching to the admin mode from system settings, the authentication popup window is not displayed when you provide the wrong password (other than English and Korean).</td>
<td>Enter the appropriate password.</td>
</tr>
<tr>
<td>TL-722</td>
<td>ThinLinux 2.0—AD PAM login takes more than 10 seconds.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-562</td>
<td>ThinLinux 2.0—Password expiry functionality is not working.</td>
<td>Reset the password on the server side.</td>
</tr>
<tr>
<td>TL-501</td>
<td>ThinLinux 2.0—Set time is not preserved in the <strong>Date and Time Settings</strong> window.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1044</td>
<td>ThinLinux 2.0—Citrix Storefront connection does not launch the second time when the first attempt is a failure (when the target desktop is turned off).</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1007</td>
<td>ThinLinux 2.0—Removable disk is disconnected when you copy files more than 1 GB.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-819</td>
<td>ThinLinux 2.0—After dragging the <strong>System Information</strong> applet, texts are blurred.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-817</td>
<td>ThinLinux 2.0—Display window is not displayed properly for a few seconds when you change the resolution and layout.</td>
<td>Wait for a few seconds.</td>
</tr>
<tr>
<td>TL-727</td>
<td>ThinLinux 2.0—Mouse pointer blinks in Mozilla Firefox browser when the Youtuber video is played.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1090</td>
<td>ThinLinux 2.0—When Keyboard layout is set to Japanese, keyboard input does not change to Japanese.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-757</td>
<td>ThinLinux 2.0—Blank screen is observed in multi display when you connect to the high-resolution monitor.</td>
<td>Use 1920x1080 or lower resolution monitor.</td>
</tr>
<tr>
<td>TL-758</td>
<td>ThinLinux 2.0—The <strong>You have Caps Lock on</strong> message is displayed in admin password prompt when the Caps Lock is pressed repeatedly.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-753</td>
<td>ThinLinux 2.0—Unable to move mouse cursor to lower edge of screen when you change the display rotation to right using DP2.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-569</td>
<td>ThinLinux 2.0—The key ` on the keyboard stops working after a while.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-326</td>
<td>ThinLinux 2.0—Icons are not highlighted when you use the <strong>Tab</strong> key.</td>
<td>Select the icons using the mouse.</td>
</tr>
<tr>
<td>TL-383</td>
<td>ThinLinux 2.0—VMware tool bar is not displayed properly for dual monitor when you disconnect from the server.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-887</td>
<td>ThinLinux 2.0—Ericom show menu bar options are not displayed with the respective system language.</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-681</td>
<td>ThinLinux 2.0—After connecting to hidden SSID wireless network, the connection is disconnected when you restart and turn off the client.</td>
<td>Reconnect to WLAN after restarting the thin client.</td>
</tr>
<tr>
<td>TL-683</td>
<td>ThinLinux 2.0—Messages that are sent through Wyse Management Suite are not displayed in remote sessions (Citrix, VMware, and RDP).</td>
<td>There is no workaround.</td>
</tr>
<tr>
<td>TL-1060</td>
<td>ThinLinux 2.0—Display on U2719D and U2719DC monitors fails when connected to Wyse 3040 thin client using DP to DP cables.</td>
<td>There is no workaround.</td>
</tr>
</tbody>
</table>
### Upgrade ThinLinux 2.0 to 2.1 on Wyse 3040 thin client

Use Wyse Management Suite version 1.2 or later to upgrade the ThinLinux build version 2.0.19 to 2.1.

To upgrade ThinLinux by using Wyse Management Suite for Wyse 3040 thin client:

2. Click **Product Support**, enter the **Service Tag** of your thin client, and then press Enter.
3. **NOTE:** If you do not have **Service Tag**, manually browse for your thin client model.
4. Click **Drivers and downloads**.
5. From the **Operating system** drop-down list, select **ThinLinux**.
6. Scroll down the page, and do the following:
   - Download the `wda3040_3.0.10-01_amd64.deb`, `wda_3.2.13-01_amd64.tar`, and `merlin-nonpxe_3.7.7-00.05_amd64.deb` add-ons.
   - Download the latest ThinLinux version 2.1 image file (`2.1.0.00_3040_merlin_16GB.exe`).
7. On the thin client, go to **Settings > Management > Wyse Device Agent**.
8. Register the device to the Wyse Management Suite server.
10. Create and deploy app policy for `wda3040_3.0.10-01_amd64.deb`, `wda_3.2.13-01_amd64.tar`, and `merlin-nonpxe_3.7.7-00.05_amd64.deb` add-ons.
11. Reboot the thin client.
12. Log in to the Wyse Management Suite server.
13. Copy the downloaded image (`2.1.0.00_3040_merlin_16GB.exe` file) to `<drive C>/wms/localrepo/repository/osimages/zipped`.
15. **NOTE:** If imaging fails during upgrade due to the incorrect security key, install the pre-upgrade add-on first and then follow the upgrade procedure. For information about the pre-upgrade add-on, see the [Dell Wyse ThinLinux 2.1 pre-upgrade add-on for Wyse 3040 thin client Release Notes](#).

### Upgrade ThinLinux 2.0 to 2.1 on Wyse 5070 thin client

Use Wyse Management Suite version 1.2 or later to upgrade the ThinLinux build version 2.0.27 to 2.1.

To upgrade ThinLinux by using Wyse Management Suite for Wyse 5070 thin client:

2. Click **Product Support**, enter the **Service Tag** of your thin client, and then press Enter.
3. **NOTE:** If you do not have **Service Tag**, manually browse for your thin client model.
4. Click **Drivers and downloads**.

---

<table>
<thead>
<tr>
<th>JIRA ID</th>
<th>Description</th>
<th>Workaround</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRATUS-18205</td>
<td>ThinLinux 2.0—Device does not check in, and the WDA UI is refreshed multiple times in both devices when you push the ThinLinux 2.0.19 pulled image to the thin client running ThinLinux 1.0.4.</td>
<td>There is no workaround.</td>
</tr>
</tbody>
</table>
4. From the Operating system drop-down list, select ThinLinux.
5. Scroll down the page, and download the latest ThinLinux version 2.1 image file (2.1.0.00_5070_merlin_16GB.exe).
6. On the thin client, go to Settings > Management > Wyse Device Agent.
7. Register the device to the Wyse Management Suite server.
8. Log in to the Wyse Management Suite server.
9. Copy the downloaded image (2.1.0.00_5070_merlin_16GB.exe file) to <drive C>/wms/localrepo/repository/osimages/zipped/.
10. Log in to the Wyse Management Suite console.
11. Go to Apps & Data > OS Image repository > WES/ThinLinux and verify that the ThinLinux image is available.
12. Go to Apps & Data > OS Image policies (WES/ThinLinux) and click Add Policy.
13. Update the required fields, and click Save.
14. Schedule the job.
15. Click Update now on the client to update the image.

Upgrade ThinLinux 1.0.4 to 2.1 on Wyse 3040 thin client

Use Wyse Management Suite version 1.2 or later to upgrade the ThinLinux build version 1.0.4 to 2.1.

To upgrade ThinLinux by using Wyse Management Suite:
1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   \(\text{NOTE: If you do not have Service Tag, manually browse for your thin client model.}\)
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 the Platform_util-1.0.26-0.3.x86_64.rpm, wda-2.1.23-00.01.x86_64.rpm, and merlin_nonpxe-3.7.7-00.05.x86_64.rpm add-ons.
   - Download the latest ThinLinux version 2.1 image file (2.1.0.00_3040_merlin_16GB.exe).
6. On the thin client, go to Settings > Management > Wyse Device Agent.
7. Register the device to the Wyse Management Suite server.
8. Log in to the Wyse Management Suite server.
9. Create and deploy app policy for Platform_util-1.0.26-0.3.x86_64.rpm, wda-2.1.23-00.01.x86_64.rpm, and merlin_nonpxe-3.7.7-00.05.x86_64.rpm.
10. Reboot the thin client.
11. Log in to the Wyse Management Suite server.
12. Copy the downloaded image (2.1.0.00_3040_merlin_16GB.exe file) to <drive C>/wms/localrepo/repository/osimages/zipped/.
13. Log in to the Wyse Management Suite console.
14. Go to Apps & Data > OS Image repository > WES/ThinLinux and verify that the ThinLinux image is available.
15. Go to Apps & Data > OS Image policies (WES/ThinLinux) and click Add Policy.
16. Update the required fields, and click Save.
17. Schedule the job.
18. Click Update now on the client to update the image.

Upgrade ThinLinux 1.0.7.1 to 2.1 on Wyse 3040 thin client

Use Wyse Management Suite version 1.2 or later to upgrade the ThinLinux build version 1.0.7.1 to 2.1.
To upgrade ThinLinux by using Wyse Management Suite:

1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   
   **NOTE:** If you do not have Service Tag, 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 the merlin_nonpxe-3.7.7-00.05.x86_64.rpm add-on.
   - Download the latest ThinLinux version 2.1 image file (2.1.0.00_3040_merlin_16GB.exe).
6. On the thin client, go to Settings > Management > Wyse Device Agent.
7. Register the device to the Wyse Management Suite server.
8. Log in to the Wyse Management Suite console.
9. Create and deploy app policy for merlin_nonpxe-3.7.7-00.05.x86_64.rpm.
10. Reboot the thin client.
11. Log in to the Wyse Management Suite server.
12. Copy the downloaded image (2.1.0.00_3040_merlin_16GB.exe file) to <drive C>/wms/localrepo/repository/osimages/zipped/.
13. Log in to the Wyse Management Suite console.
14. Go to Apps & Data > OS Image repository > WES/ThinLinux and verify that the ThinLinux image is available.
15. Go to Apps & Data > OS Image policies (WES/ThinLinux) and click Add Policy.
16. Update the required fields, and click Save.
17. Schedule the job.
18. Click Update now on the client to update the image.
Preupgrade add-on for Wyse 3040 thin client Release Notes

Release type and definition

This release addresses the issue on Wyse 3040 thin clients that are shipped from the factory with the incorrect security key for ThinLinux 2.0. For more information about the issue, see Fixed issue.

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).

Supported platform

- **Platform**—Wyse 3040 thin client
- **Memory configuration (RAM/Flash)**—16 GB/2 GB
- **BIOS version**—1.2.5

Add-on details

- **Build number**—1.0.0-14
- **File name**—3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb
- **File size**—366,558 bytes

Fixed issue

The following issue is fixed in this release:

You cannot upgrade ThinLinux from version 2.0 to 2.1 on Wyse 3040 thin clients that are shipped from the factory with the incorrect security key. Merlin imaging fails during upgrade due to the incorrect security key, and the following error message is displayed:

Error while validating security key.(error code 233).

To resolve this issue, you must install the preupgrade add-on that is delivered in this release.

Important notes

- If the security key is correct, installing the preupgrade add-on does not change the security key on your thin client.
- After you install the preupgrade add-on, and upgrade the ThinLinux version from 2.0 to 2.1, you do not have to install the preupgrade add-on again when you reimagine your client.
- To verify if the security key is updated, check the 3010-tl2.1-pre-upgrade-fix.XXXXXX/sec_patch.log file in the /tmp folder. If the security key is successfully updated, the following log entry is registered:

  Success: Key successfully changed on device. Device ready for upgrade

- Only plain text passwords are supported.
- The plain text password is displayed in the INI log.
Installing the add-on on the thin client with the default BIOS password and without the BIOS password

Follow any of the methods described in this section to install the preupgrade add-on on your thin client.

Install the add-on using Wyse Management Suite

Prerequisite—Install the Wyse Device Agent (WDA) add-on `wda_3.2.13-01` or later versions on your thin client. If the WDA version is lesser than 3.2.13, install the `wda3040_3.0.10-01` add-on to upgrade WDA to the latest version. For more information about deploying WDA, see the latest Dell Wyse Management Suite Administrator’s Guide at www.dell.com/manuals.

To install the add-on by using the Wyse Management Suite, do the following:
1. Register the thin client to the Wyse Management Suite version 1.2 or later.
2. Go to www.dell.com/support.
3. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   
   | NOTE: If you do not have Service Tag, manually browse for your thin client model.
4. Click Drivers and downloads.
5. From the Operating system drop-down list, select ThinLinux.
   
The add-ons are listed on the page.
6. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the `3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb` add-on.
7. Copy the `3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb` add-on to the Wyse Management Suite repository.
8. Create and deploy the app policy for `3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb`.
9. Reboot the thin client.

Install the add-on using INI parameter

To install the add-on by using the INI parameter, do the following:
1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   
   | NOTE: If you do not have Service Tag, manually browse for your thin client model.
3. Click Drivers and downloads.
4. From the Operating system drop-down list, select ThinLinux.
   
The add-ons are listed on the page.
5. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the `3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb` add-on.
6. Copy the `3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb` add-on to the root directory `wyse/addons`.
7. Copy the following INI parameter in to `wlx.ini` or `mac.ini` file:
   
   `InstallAddons=3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb`
8. Reboot the thin client.
Install the add-on using USB drive

To install the add-on by using the USB drive, do the following:

1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   
   **NOTE:** If you do not have Service Tag, manually browse for your thin client model.
3. Click Drivers and downloads.
4. From the Operating system drop-down list, select ThinLinux.
   The add-ons are listed on the page.
5. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on.
6. Copy the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on to the USB drive.
7. Connect the USB drive to the Wyse 3040 thin client.
8. Locate the mount point for the USB drive and change the directory to the location where you have placed the package file in the USB drive—`cd /media/<USBdrive>`.
9. Run the following commands in the command shell:

   ```
   $ su
   # dpkg -i 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb
   ```

Install the add-on manually

To install the add-on manually by using ThinLinux, do the following:

1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   
   **NOTE:** If you do not have Service Tag, manually browse for your thin client model.
3. Click Drivers and downloads.
4. From the Operating system drop-down list, select ThinLinux.
   The add-ons are listed on the page.
5. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on.
6. Copy the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on to the ftp <root path>/addons folder and create the entry in the directory file.
7. Log in to the thin client.
8. To enter the admin mode, and click the Switch to Admin button.
9. Go to Management > INI.
10. To enable the Specify server details manually option, click the ON/OFF button.
11. In the Update Server URL section, enter the URL address of the specified server.
    You can also enter the user name and password of the specified server.
12. Click Save.
13. Go to the Addons page, and click the Plus sign (+) button.
14. Select the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on and click Install.

Installing the add-on on Wyse 3040 thin client with the customized BIOS password

Follow any of the methods described in this section to install the preupgrade add-on on your thin client.
Install the add-on using Wyse Management Suite

Prerequisite—Install the Wyse Device Agent (WDA) add-on wda_3.2.13-01 or later versions on your thin client. If the WDA version is lesser than 3.2.13, install the wda3040_3.0.10-01 add-on to upgrade WDA to the latest version. For more information about deploying WDA, see the latest Dell Wyse Management Suite Administrator's Guide at www.dell.com/manuals.

To install the add-on by using the Wyse Management Suite, do the following:

1. Register the thin client to the Wyse Management Suite.
2. Go to Groups & Configs and select the ThinLinux policy.
3. Go to Advanced and enter the following parameter in line 1:
   BIOS_Password=<Your custom password>
4. Save and publish the policy.
5. Go to www.dell.com/support.
6. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   ( NOTE: If you do not have Service Tag, manually browse for your thin client model. )
7. Click Drivers and downloads.
8. From the Operating system drop-down list, select ThinLinux.
   The add-ons are listed on the page.
9. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on.
10. Copy the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on to the Wyse Management Suite repository.
11. Create and deploy the app policy for 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb.
12. Reboot the thin client.

Install the add-on using INI parameter

To install the add-on by using the INI parameter, do the following:

1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   ( NOTE: If you do not have Service Tag, manually browse for your thin client model. )
3. Click Drivers and downloads.
4. From the Operating system drop-down list, select ThinLinux.
   The add-ons are listed on the page.
5. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on.
6. Copy the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on to the root directory wyse/addons.
7. Copy the following INI parameter in to wlx.ini or mac.ini file:

   InstallAddons=3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb
   BIOS_Password=<Your custom password>

8. Reboot the thin client.

Install the add-on using USB drive

To install the add-on by using the USB drive, do the following:

1. Go to www.dell.com/support.
2. Click Product Support, enter the Service Tag of your thin client, and then press Enter.
   ( NOTE: If you do not have Service Tag, manually browse for your thin client model. )
3. Click Drivers and downloads.
4. From the Operating system drop-down list, select ThinLinux.
   The add-ons are listed on the page.
5. Select ThinLinux version 2.1 preupgrade fix add-on for Dell Wyse 3040 thin clients and download the 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on.

6. Copy 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb add-on to the USB drive.

7. Connect the USB drive to the Wyse 3040 thin client.

8. Locate the mount point for the USB drive and change the directory to the location where you have placed the package file in the USB drive—**cd\media\<USBdrive>**.

9. Run the following commands in the command shell:

```
$ su
# echo BIOS_Password= <Your custom password> > /home/thinuser/wnos.ini
# dpkg -i 3040-tl2.1-pre-upgrade-fix_1.0.0-14_amd64.deb
```
Security update for Dell Wyse Password Encoder

Release type and definition

This release resolves a security vulnerability in Dell Wyse Password Encryption on ThinLinux version 2.x. The vulnerability issue is observed when the passwords are configured using INI parameters.

From this release, a new encrypted password is generated every time when the password is encrypted. The WyseINIKeyCrypt.exe tool that is used to generate encrypted password is deprecated for an INI user. You cannot use the password encrypted strings generated using the WyseINIKeyCrypt.exe tool for INI configurations. If old password encrypted strings are used, then the password decryption fails, and the INI configuration is applied to thin clients.

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).

Password encoder

By default, passwords in INI parameters use base-64 encoding. Dell recommends that you use the AES encryption for high security purpose. From this release onwards, an AES encrypted password is generated by using the iniencrypt tool on thin clients running ThinLinux version 2.x.

**AES password encoding**—All passwords that are set using the INI parameter support the AES password encoding. Use the INI parameter PasswordEncryptionCode to specify the password encoding. Use the INI parameter PasswordEncryptionCode=2 to specify the AES password.

**NOTE:** If the INI parameter PasswordEncryptionCode is set to 2, and if you use a password value that is not encrypted using the iniencrypt tool, the result is undefined.

**NOTE:** The iniencrypt tool is supported on ThinLinux version 2.1.0.01 or later.

To generate an AES encrypted password, do the following:

1. Log in as an administrator on the thin client.
2. Start the X term.
3. Enter the iniencrypt command along with the password which you want to encrypt in the following format:

   ```
   $ iniencrypt <password in plain text>
   ```

   For example, to encode the text `password`, enter the command as `$ iniencrypt password`.

   The encrypted password is displayed on the terminal screen.

   To generate a password with special characters or space, use the shell escape character `\` before the special character. For example, to encode the string `password#123`, enter the command as `$ iniencrypt password\#123`.

**NOTE:**

- An AES password encoding supports only English characters.
- This release supports iniencrypt only for the INI user. However, the functionality of Wyse Management Suite, and Wyse Device Manager remain the same.
## Supported platforms

The following platforms are supported in this release:

### Table 16. Supported platforms

<table>
<thead>
<tr>
<th>Platform</th>
<th>Memory configuration</th>
<th>BIOS version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 5070 thin client—Celeron processor</td>
<td>16 GB/4 GB</td>
<td>1.1.3</td>
</tr>
<tr>
<td>Wyse 5070 thin client—Pentium processor</td>
<td>16 GB/4 GB</td>
<td>1.1.3</td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>16 GB/2 GB</td>
<td>1.2.5</td>
</tr>
</tbody>
</table>

## Build information

### Table 17. Wyse 5070 thin client

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build number</td>
<td>2.1.0.01</td>
</tr>
<tr>
<td>Kernel version</td>
<td>4.13.0-1028-oem</td>
</tr>
<tr>
<td>File name</td>
<td>2.1.0.01_5070_16GB_merlin.exe</td>
</tr>
<tr>
<td>Size</td>
<td>1,636,466,842 bytes</td>
</tr>
</tbody>
</table>

### Table 18. Wyse 3040 thin client

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build number</td>
<td>2.1.0.01</td>
</tr>
<tr>
<td>Kernel version</td>
<td>4.13.0-1028-oem</td>
</tr>
<tr>
<td>File name</td>
<td>2.1.0.01_3040_16GB_merlin.exe</td>
</tr>
<tr>
<td>Size</td>
<td>1,642,613,210 bytes</td>
</tr>
</tbody>
</table>

## Test environment

### Table 19. VMware VDI server/desktops

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>RDS server</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Windows 7 Enterprise</td>
<td>Windows 10 Enterprise</td>
</tr>
<tr>
<td>VMware Horizon 7.5</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>VMware Horizon 7.6</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Table 20. Xen Desktop VDI server/desktops

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>Server operating system</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xen Desktop 7.15</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Xen Desktop 7.18</td>
<td>Not applicable</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Table 21. Xen App VDI

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Server operating system</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Windows Server 2012 R2</td>
<td>Windows Server 2016</td>
</tr>
<tr>
<td>Xen App 7.15</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Table 22. Microsoft RDP VDI

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>RDS server</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft RDP</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Table 23. Management and Imaging applications

<table>
<thead>
<tr>
<th>Component</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dell Wyse Management Suite</td>
<td>1.2</td>
</tr>
<tr>
<td>Dell Wyse USB Imaging tool</td>
<td>3.1.0</td>
</tr>
</tbody>
</table>

NOTE: For imaging instructions, see the ThinLinux Version 2.1 Release Notes at www.dell.com/support. If imaging fails during upgrade due to the incorrect security key, install the pre-upgrade add-on first and then follow the upgrade procedure. For information about the pre-upgrade add-on, see the Dell Wyse ThinLinux 2.1 pre-upgrade add-on for Wyse 3040 thin client Release Notes at www.dell.com/manuals.

Fixed issues

None

Known issues

None
Citrix HDX Realtime Media Engine 2.7 add-on

Release summary

This release notes contains information about the add-on to update the Citrix HDX RealTime Media Engine (ICA client) to the latest version 2.7. This add-on is supported on Wyse 3040 thin client and Wyse 5070 thin client running ThinLinux version 2.1.

To download and install the add-on, see Installing the add-on.

Version
Citrix HDX RTME 2.7

Release date
February 2019

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).

Compatibility

Supported platforms

<table>
<thead>
<tr>
<th>Platform</th>
<th>Memory configuration</th>
<th>BIOS version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flash size</td>
<td>RAM size</td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>16 GB</td>
<td>2 GB</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>16 GB</td>
<td>4 GB</td>
</tr>
</tbody>
</table>

Previous version
Citrix HDX RTME 2.6

Supported operating systems

<table>
<thead>
<tr>
<th>Platform</th>
<th>Operating system</th>
<th>Version—English Standard Build</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 3040 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
</tbody>
</table>
Add-on details

- Debian add-on
  - File name—citrix-rtme_2.7.0-2113-01_amd64.deb.
  - File size—11,031,466 bytes.
- RSP add-on
  - File name—citrix-rtme_2.7.0-2113-01_amd64.zip.
  - File size—11,033,648 bytes.

New and enhanced features

Added support for Citrix HDX RealTime Media Engine (RTME) version 2.7.

For more information about the Citrix RTME 2.7 features, see the HDX RealTime Media Engine for Microsoft Skype for Business article at www.citrix.com.

Important notes

Tested environment

Table 26. Citrix Virtual Apps and Desktops

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrix Virtual Apps and Desktop 7.15</td>
<td>Tested</td>
<td>Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps and Desktop 7.17</td>
<td>Not Tested</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps and Desktop 7.18</td>
<td>Not Tested</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
</tbody>
</table>

Table 27. Citrix Virtual Apps

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrix Virtual Apps 7.15</td>
<td>Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps 7.18</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
</tbody>
</table>
Citrix HDX RealTime Media Engine 2.6 add on

Release summary

This release notes contains information about the add-on to update the Citrix HDX RealTime Media Engine (ICA client) to the latest version 2.6. This add-on is supported on Wyse 3040 thin client and Wyse 5070 thin client running ThinLinux version 2.1.

To download and install the add-on, see Installing the add-on.

Version
Citrix HDX RTME 2.6

Release date
January 2019

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).

Compatibility

Supported platforms

Table 28. Supported platforms

<table>
<thead>
<tr>
<th>Platform</th>
<th>Memory configuration</th>
<th>BIOS version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flash size</td>
<td>RAM size</td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>16 GB</td>
<td>2 GB</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>16 GB</td>
<td>4 GB</td>
</tr>
</tbody>
</table>

Previous version

- Citrix HDX RTME 2.5

Supported operating systems

Table 29. Supported operating systems

<table>
<thead>
<tr>
<th>Platform</th>
<th>Operating system</th>
<th>Version—English Standard Build</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 3040 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
</tbody>
</table>
Add-on details

- Debian add-on
  - File name—citrix-rtme_2.6.0-2030-01_amd64.deb.
  - File size—11,011,520 bytes.
- RSP add-on
  - File name—citrix-rtme_2.6.0-2030-01_amd64.zip.
  - File size—11,013,701 bytes.

New and enhanced features

Added support for Citrix HDX RealTime Media Engine (RTME) version 2.6.

NOTE: Citrix HDX RTME supports Microsoft Skype for Business Server 2019, Microsoft Skype for Business Server 2015, Microsoft Lync Server 2013, and Office 365 (Skype for Business Online).

For more information about the Citrix RTME 2.6 features, see the HDX RealTime Media Engine for Microsoft Skype for Business article at www.citrix.com.

Important notes

Tested environment

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrix Virtual Apps and Desktop 7.15</td>
<td>Tested</td>
<td>Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps and Desktop 7.17</td>
<td>Not Tested</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps and Desktop 7.18</td>
<td>Not Tested</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
</tbody>
</table>

Table 31. Citrix Virtual Apps

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrix Virtual Apps 7.15</td>
<td>Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps 7.18</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
</tbody>
</table>
Release summary

This release notes contains information about the add-on to update VMware Horizon View client to the latest version 4.10. This add-on is supported on Wyse 3040 thin client and Wyse 5070 thin client running ThinLinux version 2.1 operating system.

To download and install the add-on, see Installing the add-on.

Version

4.10

Release date

January 2019

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).

Compatibility

Supported operating systems

Table 32. Supported operating systems

<table>
<thead>
<tr>
<th>Platform</th>
<th>Operating system</th>
<th>Version—English Standard build</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 3040 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
</tbody>
</table>

Previous versions

- 4.8

Add-on details

- Debian add-on
  - File name—vmware-viewclient_4.10.0-11053294-00.02_amd64.deb
  - File size—26,648,768 bytes
- RSP add-on
  - File name—vmware-viewclient_4.10.0-11053294-00.02_amd64.zip
  - File size—26,651,306 bytes
New features

The new features in VMware Horizon View client version 4.10 are:

• Supports virtual printing on physical RDS host machine
• Supports multi session mode
• Supports logging copy and paste

| NOTE: For more information about the VMware Horizon Client 4.10 features, see the VMware Horizon Client 4.10 for Linux Release Notes at docs.vmware.com. |

The new features in VMware Horizon View client version 4.9 are:

• Supports H.264 high color accuracy
• Supports relative mouse capability
• Supports configuring Horizon View Client data sharing capability with other systems
• Supports serial port redirection
• Supports auto hide of tool bar

| NOTE: For more information about the VMware Horizon Client 4.9 features, see the VMware Horizon Client 4.9 for Linux Release Notes at docs.vmware.com. |

INI parameters

Table 33. INI parameters

<table>
<thead>
<tr>
<th>INI Parameter</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AllowH264HighColorAccuracy=y/yes/no</td>
<td>By default, this is in the OFF state. If the value is set to ON, the parameter is enabled.</td>
<td>Boolean [Yes/No]</td>
</tr>
<tr>
<td>AllowDataSharing=y/yes/no</td>
<td>If the parameter is set to YES, data sharing with other thin clients is enabled; If the value is set to NO, data sharing is not allowed.</td>
<td>Boolean [Yes/No]</td>
</tr>
<tr>
<td>AutoHideToolbar=Y/yes/no</td>
<td>By default, this is in the OFF state. If the value is set to ON, the auto hide option for the tool bar is enabled.</td>
<td>Boolean [Yes/No]</td>
</tr>
</tbody>
</table>

Fixed issues

Table 34. Fixed issues

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-645</td>
<td>Fixed an issue where the messages do not get displayed in the primary screen when VMware Horizon View client is used in the dual monitor configuration mode.</td>
</tr>
</tbody>
</table>

Known issues

Table 35. Known issues

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
<th>Workaround</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL-1144</td>
<td>Turn off option in the VMware Horizon View client does not work in the RDP session.</td>
<td>There is no workaround in this release.</td>
</tr>
<tr>
<td>LS-644</td>
<td>Minimizing a view sometimes displays overlap of Windows session and local Linux.</td>
<td>There is no workaround in this release.</td>
</tr>
</tbody>
</table>
Ericom PowerTerm Add-on

Release summary

This release notes contains information about the add-on to update Ericom PowerTerm to the latest version 12.3. This add-on is supported on Wyse 3040 thin client and Wyse 5070 thin client running ThinLinux version 2.1 operating system.

To download and install the add-on, see Installing the add-on.

Version
12.3.0.0.20171015.1-01

Release date
January 2019

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).

Compatibility

Supported platforms

Table 36. Supported platforms

<table>
<thead>
<tr>
<th>Platform</th>
<th>Memory Configuration</th>
<th>BIOS version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flash size</td>
<td>RAM size</td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>16 GB</td>
<td>2 GB</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>16 GB</td>
<td>4 GB</td>
</tr>
</tbody>
</table>

Previous versions

• 12.3.0.0.20171015.1-00.09

Supported operating systems

Table 37. Supported operating systems

<table>
<thead>
<tr>
<th>Platform</th>
<th>Operating system</th>
<th>Version—English Standard build</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 3040 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
</tbody>
</table>
Add-on details

- Debian add-on
  - File name—ericom-powerterm_12.3.0.0.20171015.1-01_amd64.deb
  - File size—7,804,728 bytes
- RSP add-on
  - File name—ericom-powerterm_12.3.0.0.20171015.1-01_amd64.zip
  - File size—7,807,264 bytes

Fixed issues

Table 38. Fixed issues

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL-877</td>
<td>Fixed an issue where you cannot open the HTML5 links from the communication tab.</td>
</tr>
<tr>
<td>LS-627</td>
<td>Added the Italian language layout option in the keyboard mapping drop-down list.</td>
</tr>
<tr>
<td>TL-962</td>
<td>Fixed an issue where you cannot retain the color of the background and text in Ericom PowerTerm.</td>
</tr>
<tr>
<td>LS-650</td>
<td>Fixed an issue where you cannot save Ericom PowerTerm settings.</td>
</tr>
</tbody>
</table>

Known issues

Table 39. Known issues

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
<th>Workaround</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL-887</td>
<td>Ericom menu bar options are not displayed with the respective system languages.</td>
<td>There is no workaround in this release.</td>
</tr>
<tr>
<td>TL-878</td>
<td>Language keyboard layouts available in Ericom PowerTerm console cannot be mapped.</td>
<td>There is no workaround in this release.</td>
</tr>
<tr>
<td>TL-896</td>
<td>The fields in the Ericom PowerTerm menu bar get populated automatically when you enter any value using the keyboard.</td>
<td>There is no workaround in this release.</td>
</tr>
</tbody>
</table>
Wyse Settings Add-on Update for Swiss-French Language Keyboard Layout Issue

Release summary
This release notes contains information about the package to address the Swiss-French language keyboard layout issue. For more information about the issue, see Fixed issue.

Installing this add-on allows you to enable the Swiss-French language keyboard layout in system settings by using the INI parameter. This package is supported on Wyse 3040 thin client and Wyse 5070 thin client running ThinLinux version 2.1.

To download and install the add-on, see Installing the add-on.

Version
Wyse settings 1.02.0-77

Release date
January 2019

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).

Compatibility

Supported platforms

<table>
<thead>
<tr>
<th>Platform</th>
<th>Memory Configuration</th>
<th>BIOS version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flash size</td>
<td>RAM size</td>
</tr>
<tr>
<td>Wyse 3040 thin client</td>
<td>16 GB</td>
<td>2 GB</td>
</tr>
<tr>
<td>Wyse 5070 thin client</td>
<td>16 GB</td>
<td>4 GB</td>
</tr>
</tbody>
</table>

Previous version
Wyse settings 1.02.0-76

Supported operating systems

<table>
<thead>
<tr>
<th>Platform</th>
<th>Operating system</th>
<th>Version—English Standard build</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wyse 3040 thin client</td>
<td>ThinLinux</td>
<td>2.1.0.01.02.32167</td>
</tr>
</tbody>
</table>
### Add-on details

- Debian add-on
  - **File name**—`wyse-settings_1.02.0-77_amd64.deb`
  - **File size**—74,414 bytes
- RSP add-on
  - **File name**—`wyse-settings_1.02.0-77_amd64.zip`
  - **File size**—76,500 bytes

### New and enhanced features

- Updated the `wyse-settings` add-on to the latest version 1.02.0-77.
- Added support for Swiss-French language keyboard layout.

### Fixed issue

**Table 42. Fixed issue**

<table>
<thead>
<tr>
<th>Issue number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-633</td>
<td>Fixed an issue where the Swiss-French language keyboard layout is not available in ThinLinux 2.1 and the keyboard layout cannot be changed using the advanced setting option in Wyse Management Suite version 1.2.</td>
</tr>
</tbody>
</table>

### Important notes

### Tested environment

**Table 43. VMware Horizon Server and Desktops**

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMware Horizon 7.6</td>
<td>Tested</td>
<td>Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>VMware Horizon 7.7</td>
<td>Tested</td>
<td>Tested</td>
<td>Tested</td>
</tr>
</tbody>
</table>

**Table 44. Citrix Virtual Apps and Desktops**

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Desktop</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrix Virtual Apps and Desktop 7.18</td>
<td>Not Tested</td>
<td>Not Tested</td>
<td>Tested</td>
</tr>
</tbody>
</table>

**Table 45. Citrix Virtual Apps**

<table>
<thead>
<tr>
<th>VDI version</th>
<th>Server operating system</th>
<th>Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrix Virtual Apps 7.15</td>
<td>Tested</td>
<td>Tested</td>
</tr>
<tr>
<td>VDI version</td>
<td>Server operating system</td>
<td>Apps</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------------------------</td>
<td>-------</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2008 R2</td>
<td>Tested</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2012 R2</td>
<td>Tested</td>
</tr>
<tr>
<td></td>
<td>Windows Server 2016</td>
<td>Tested</td>
</tr>
<tr>
<td>Citrix Virtual Apps 7.18</td>
<td>Not Tested</td>
<td></td>
</tr>
</tbody>
</table>
Installing the add-on

**Download the add-on package**

This section describes the steps to download the add-on from Dell support site.

2. In the **Enter a Service Tag, Serial Number, Service Request, Model, or Keyword** 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 add-on entry and click the download icon.

**Install the add-on using Wyse Management Suite**

Ensure that you download either the DEB file or RSP file of the add-on package 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\LocalRepo\repository\rspPackages\zipped` repository on the Wyse Management Suite server and wait for 2-3 minutes. The compressed folder is extracted automatically, and the extracted files are copied to `C:\WMS\LocalRepo\repository\rspPackages\valid`.

This section describes the steps to install the add-on by using Wyse Management Suite.

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 add-on installation process on all the thin clients. The add-on is deployed immediately.

**Install the add-on using Wyse Device Manager**

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

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

1. Launch Wyse Device Manager and login 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 one of the options except **Device Configuration** and **PCoIP Device Configuration**.

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.

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. Click **Devices** and select the **Device ID** check box.

13. Click **Update**, and select the preferred package.

14. Click **Save**.
    The add-ons installation is scheduled to the device and the add-on is installed to the thin client.

### Install the add-on manually using INI parameter

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

1. Copy the add-on and the directory file to the `<root path>/add-ons` folder.

2. Add the following INI parameter into the wx.ini file:
   ```ini
   InstallAddons=<deb file>.
   ```

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**.

11. Restart the thin client.
    The add-on is successfully installed on the thin client.

### Install the add-on manually

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

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. Go to the **Management** page and click **INI**.
   The **Manage INI configuration** page is displayed.

6. To enable the **Specify server details manually** option, click the **ON/OFF** button.
7. In the **Server URL** field, enter the path of the add-on.
   You can also enter the user name and password of the specified server in respective fields.

8. Click **Save**.

9. Go to the **Add-ons** page and click **Install Add-ons**.

10. Select the add-on and click **Save**.

    The add-on is installed on the thin client.
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.

Topics:

- Additional resources

Additional resources

Table 46. Additional resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMware support website—docs.vmware.com.</td>
<td>Documentation for VMware software.</td>
</tr>
<tr>
<td>Microsoft support website—support.microsoft.com.</td>
<td>Documentation for Microsoft software.</td>
</tr>
</tbody>
</table>
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.