Security update add-on for Meltdown and Spectre vulnerabilities for ThinLinux 1.0.7 and 1.0.7.1
Release Notes

Software releases are created to correct defects, make enhancements, or add new features. These releases are tested on all current, actively shipping platforms and operating systems as applicable. This release notes contain details on the supported platforms, any changes in the configuration settings and licensing details as well. The bug fixes along with the workarounds are documented in the release notes. Any changes in the feature functionality from an end-user perspective are listed with the description of each feature at a high level.

Release Date: April 2018

Contents

Release type and definition

The scope of this release is to update the operating system packages released by SUSE to address the Meltdown and Spectre security vulnerabilities for the following platforms running on ThinLinux build—1.0.7/1.0.7.1:

- Wyse 5060 thin client with ThinLinux
- Wyse 5020 thin client with ThinLinux—D50Q
- Wyse 7020 thin client with ThinLinux—Z50Q
- Wyse 3030 LT thin client with ThinLinux
- Wyse 3040 thin client with ThinLinux

For more information, see the article *Security Vulnerability: "Meltdown" and "Spectre" side channel attacks against CPUs with speculative execution* suse.com

Whats new

To resolve the security vulnerability issue, install the add-on package delivered in this release. Deploying this package on your thin client installs the **ucode-intel-20180312-13.17.1.x86_64.rpm** add-on and upgrades the following existing add-ons:

- kernel-default-4.4.114-92.64.1.x86_64.rpm
- libharfbuzz0-1.4.5-7.5.x86_64.rpm
- libharfbuzz-icu0-1.4.5-7.5.x86_64.rpm
- libjavascriptcoregtk-4_0-18-2.18.5-2.18.1.x86_64.rpm
- libwebkit2gtk-4_0-37-2.18.5-2.18.1.x86_64.rpm
- typelib-1_0-JavaScriptCore-4_0-2.18.5-2.18.1.x86_64.rpm
- typelib-1_0-WebKit2-4_0-2.18.5-2.18.1.x86_64.rpm
- ucode-amd-20170530-21.16.1.noarch.rpm
- webkit2gtk-4_0-injected-bundles-2.18.5-2.18.1.x86_64.rpm

Add-on package information

Table 1. RPM add-on details

Build file name	unified_addon-1.0.0-00.06.x86_64.rpm
Size	53,033,665 bytes

Table 2. RSP add-on details

Build file name	unified_addon-1.0.0-00.06.x86_64.zip
Size	53,036,453 bytes

Known issues

None

Support matrix

Table 3. Support matrix

Platform name	Memory configuration (Flash/RAM)	Supported BIOS version	Supported build version for ThinLinux 1.0.x (English)	Build version after installing the add-on
Wyse 5060 thin client with ThinLinux	16 GB/4 GB	1.0G	1.0.7	1.0.7.2
Wyse 5020 thin client with ThinLinux—D50Q	8 GB/2 GB	2.0F	1.0.7	1.0.7.2
Wyse 7020 thin client with ThinLinux—Z50Q	8 GB/2 GB	2.0F	1.0.7	1.0.7.2

Platform name	Memory configuration (Flash/RAM)	Supported BIOS version	Supported build version for ThinLinux 1.0.x (English)	Build version after installing the add-on
Wyse 3030 LT thin client with ThinLinux	4 GB/2 GB	1.0G	1.0.7	1.0.7.2
Wyse 3040 thin client with ThinLinux	16 GB/2 GB	1.2.4	1.0.7.1	1.0.7.3

Installing add-on using Wyse Management Suite

1   Go to Dell Wyse support.
2   Expand **Download Wyse Software and Driver**.
3   Click **Wyse Support Download**.
4   From the **Active** drop-down list, select your thin client model, and click **Search**.
    The **Downloads** page is displayed.
5   Download the respective RPM or RSP file, and copy the files to the following path:

   ⓘ **NOTE: You can download either RPM file or RSP file based on your preference.**
   - RPM file—**C:\WMS\LocalRepo\repository\thinClientApps**.
   - RSP file—**C:\WMS\Local Repo\repository\rspPackages\zipped**. The compress folder is extracted automatically, and the extracted files are copied to **C:\WMS\LocalRepo\repository\rspPackages\valid** path.

6   Log in to Wyse Management Suite.
7   Click **Portal Administration**, and then click **File Repository** under **Console Settings**.
8   Select the **Local Repository** check box.
9   Click **Sync Files**.
    Wait for the synchronization process to complete. The synchronization process copies the package from the repository to **Apps and Data**.
10 Click **Apps and Data**.
    The **Apps and Data** page is displayed.
11 Verify the copied package in the applications list.
12 To create a group in the Wyse Management Suite server, click **Groups & Configs**.
    The **Groups & Configs** page is displayed.
13 Click the **Plus sign (+)** button, and register your client in the same group.
14 Click **Apps and Data**.
    The **Apps and Data** page is displayed.
15 Click **Thin Clients** under **App Policies**.
16 Click **Add Policy** to add the policy to the required group.
17 Update the required fields, and then click **Save**.
    The policy is added to the required group.
18 Click **Jobs**.
    The **Jobs** page is displayed.
19 Click **Schedule App Policy** and update the required fields to schedule the policy.
20 Monitor the status in the **Jobs** page to ensure that the package installation is successful.

   ⓘ **NOTE: The lock screen is displayed during the package installation process on all the thin clients.**

Installing add-on manually using ThinLinux

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.

Installing add-on manually using ThinLinux INI parameter

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= unified_addon-1.0.0-00.06.x86_64.rpm` 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.

Installing add-on using Wyse Device Manager

ⓘ **NOTE: Copy the <name of the add-on>.rsp file to the Wyse Device Manager server. The copied RSP file is included in the .zip file.**

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.