

BIOS Add-on with AMD microcode to fix Side Channel Vulnerability

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.

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Release summary

The scope of this release is to update BIOS with AMD Microcode to address the Side Channel security vulnerability on Dell Wyse 5060 thin clients running the ThinLinux operating system.

Version

1.0K

Release date

May 2019

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

Compatibility

Supported platforms

Table 1. Supported platforms

Platform name	Memory configuration	
	Flash	RAM
Dell Wyse 5060 thin client	16 GB	4 GB

Add-on details

Table 2. Add-on package information

File name	Size
ThinLinux_5060_BIOS_10K.zip	3,165,128 bytes

Supported build versions

Table 3. Supported build versions

Platform name	Supported English build version	BIOS version after installing add-on
Dell Wyse 5060 thin client	1.0.7 and 1.0.7.2	1.0K

Installing the add-on

Download the add-on package

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

- 1 Go to www.dell.com/support.
- 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 BIOS add-on using Wyse Management Suite

Prerequisites

- Go to `C:\WMS\LocalRepo\repository\osImages\zipped` and place the BIOS file.
- On Wyse Management Suite, go to **Portal administrator File repository > (select repository)**, and click **sync files**.

- 1 Register the device to Wyse Management Suite version 1.3.
- 2 Create and deploy the `merlin_nonpxe-3.7.7-00.05.x86_64.rpm` app policy.
- 3 Reboot the thin client.
- 4 Go to **Apps & Data > OS Image policies (ThinLinux)** and click **Add Policy**.
- 5 Update the required fields, select the BIOS file, and click **Save**.
- 6 Schedule the image policy.

BIOS is updated on the thin client after the add-on is successfully installed.

Install the BIOS add-on using Wyse Device Manager

- 1 Launch the Wyse Device Manager Web UI.
- 2 Push the add-on `merlin_nonpxe-3.7.7-00.05.x86_64.rpm` by creating a package.
- 3 Go to **Application > Images**, and click **Create a new package**.
- 4 Download the registered package and run the file.
- 5 Select the RSP package in Wyse Device Manager package registration utility and select the BIOS file.
- 6 Go to **Devices** and select the check box beside the device ID.
- 7 Click **Update** and select the BIOS file.
- 8 Click **Save**

BIOS is updated on the thin client after the add-on is successfully installed.

Install the BIOS add-on using the USB firmware tool

- 1 Download the Dell Wyse USB Imaging tool from downloads.dell.com/wyse.
- 2 Install the tool on the supported operating system.

- 3 Launch the USB firmware tool.
The tool displays the **Image Pull** screen by default.
- 4 Click **Image Push** to display the **Image Push** screen.
- 5 Plug in the USB drive to the system running the USB Imaging Tool.
- 6 Click the **Refresh** button to populate the USB drives.

 **NOTE:** You can have multiple USB drives that are plugged in to your system.

- 7 Select the USB drive from the **Available drives** drop-down list.
If your USB drive contains images, these images are displayed on the screen.
- 8 Select the operating system architecture that you want to push to the target device. Select one of the following:
 - **32 bit**—Select this option to push the 32-bit architecture-based operating system to the target device.
 - **64 bit**—Select this option to push the 64-bit architecture-based operating system to the target device.
- 9 To add a new local image on the USB drive, click the **Local** tab, and add the BIOS file.
Ensure that only the BIOS check box is selected.
- 10 Click **Configure USB Drive**.
- 11 Click **Update** (Recommended).
The status is displayed in the progress bar.
- 12 Remove the USB drive.
- 13 Ensure that the target thin client is configured to boot from the USB drive.
- 14 Connect the USB drive to the thin client.
- 15 During boot, press and hold the key **P** on your keyboard until the **Boot menu** is displayed.
- 16 Select your USB drive and press **Enter**.
The device reboots from the USB drive, and the BIOS that needs to be pushed to the device is displayed.
- 17 In the **Choose image to push to this device** section, select the local BIOS from the list, and click **OK**.
The BIOS push operation starts, and the overall status is displayed in the progress bar.
- 18 After the BIOS push operation is complete, remove the USB drive from the target device.
The Wyse 5060 thin client restarts automatically after BIOS push operation is complete.

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**.

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.