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.
Contents

1 Release summary........................................................................................................................................... 4
  Version.................................................................................................................................................................. 4
  Release date.................................................................................................................................................... 4

2 Compatibility................................................................................................................................................ 5
  Supported platforms........................................................................................................................................ 5
  Add-on details.................................................................................................................................................. 5
  Supported build versions................................................................................................................................. 5

3 Installing the add-on................................................................................................................................ 6
  Download the add-on package.......................................................................................................................... 6
  Install the BIOS add-on using Wyse Management Suite .............................................................................. 6
  Install the BIOS add-on using Wyse Device Manager................................................................................... 6
  Install the BIOS add-on using the USB firmware tool.................................................................................. 6

4 Resources and support................................................................................................................................. 8
  Accessing documents using the product search............................................................................................ 8
  Accessing documents using product selector............................................................................................... 8

5 Contacting Dell.......................................................................................................................................... 9
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

<table>
<thead>
<tr>
<th>Platform name</th>
<th>Memory configuration</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flash</td>
<td>RAM</td>
<td></td>
</tr>
<tr>
<td>Dell Wyse 5060 thin client</td>
<td>16 GB</td>
<td>4 GB</td>
<td></td>
</tr>
</tbody>
</table>

Add-on details

Table 2. Add-on package information

<table>
<thead>
<tr>
<th>File name</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>ThinLinux_5060_BIOS_10K.zip</td>
<td>3,165,128 bytes</td>
</tr>
</tbody>
</table>

Supported build versions

Table 3. Supported build versions

<table>
<thead>
<tr>
<th>Platform name</th>
<th>Supported English build version</th>
<th>BIOS version after installing add-on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dell Wyse 5060 thin client</td>
<td>1.0.7 and 1.0.7.2</td>
<td>1.0K</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.

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 Pull** to display the **Image Pull** 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.
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.