Hewlett Packard Enterprise **HPE Support Center**

Bulletin: HPE ProLiant Servers - Side Channel Analysis Method Allows Information Disclosure in Microprocessors (CVE-2017-5715, CVE-2017-5753, CVE-2017-5754)

SUPPORT COMMUNICATION - CUSTOMER BULLETIN

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Bulletin: HPE ProLiant and Synergy Servers - Side Channel Analysis Method Allows Improper Information Disclosure in Microprocessors (CVE-2017-5715, CVE-2017-5753, CVE-2017-5754)

> **NOTICE:** The information in this document, including products and software versions, is current as of the Release Date. This document is subject to change without notice.

Release Date: 2018-01-04
Last Updated: 2018-01-05

DESCRIPTION

On January 3, 2018, side-channel security vulnerabilities involving speculative execution were publicly disclosed. These vulnerabilities may impact the listed HPE products, potentially leading to information disclosure and elevation of privilege. Mitigation and resolution of these vulnerabilities calls for both an Operating System update, provided by the OS vendor, and a System ROM update from HPE.

Intel has provided a high level statement here:

https://newsroom.intel.com/news/intel-responds-to-security-research-findings/

For additional information:

https://security-center.intel.com/advisory.aspx?intelid=intel-sa-00088&languageid=en-fr

Operating System Vendor Response:

Microsoft: https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/ADV180002

Red Hat: https://access.redhat.com/security/vulnerabilities/speculativeexecution

SuSE: https://www.suse.com/support/kb/doc/?id=7022512

VMware: https://www.vmware.com/security/advisories/VMSA-2018-0002.html

CentOS: https://lists.centos.org/pipermail/centos-announce/2018-January/thread.html

Processor Vendor Response:

AMD: http://www.amd.com/en/corporate/speculative-execution

ARM Holdings: https://developer.arm.com/support/security-update

SCOPE

Any ProLiant Gen9 or ProLiant Gen10 server and Synergy products listed in the "Products" list below.

Note: System ROM updates for the following ProLiant Gen8 and Gen9 and Synergy servers will be available in the future. This Bulletin will be updated accordingly.

- ProLiant BL420c Gen8 server blade
- ProLiant BL460c Gen8 server blade
- ProLiant BL660c Gen8 server blade
- ProLiant ML350e V2 server
- ProLiant DL160 Gen8 server
- ProLiant ML310e server
- ProLiant DL320e server
- ProLiant DL360p Gen8 server
- ProLiant ML350p server
- ProLiant DL360e server
- ProLiant DL380e server
- ProLiant SL4540
- ProLiant DL560 Gen8 server
- ProLiant SL210t Gen8 server
- ProLiant DL580 Gen8 server

- ~~ProLiant DL500 Gen8 server~~
- ProLiant ML10 server
- ProLiant ML310e Gen8 server
- ProLiant Microserver Gen8
- ProLiant ML10 V2 Gen8 server
- ProLiant XL260a Gen9 server
- HPE Synergy 620 Gen9 Compute Modules
- HPE Synergy 680 Gen9 Compute Modules
- ProLiant m710x Server Cartridge
- ProLiant Thin Micro TM200
- ProLiant m510 Server Cartridge
- ProLiant m300 Server Cartridge
- ProLiant m350 Server Cartridge
- ProLiant m710p Server Cartridge
- ProLiant M350e Gen8 server
- ProLiant XL230s Gen8 server
- ProLiant XL250s Gen8 server
- ProLiant XL270s Gen8 server
- ProLiant ML310e Gen8 v2
- ProLiant DL320e Gen8 v2

RESOLUTION

Update the ProLiant System ROM as detailed below.

For ProLiant Gen10 products (except for the ProLiant DL385 Gen10), update to System ROM Version 1.28.

For the ProLiant DL385 Gen10 server, update to System ROM Version 1.04.

For ProLiant Gen9 series servers, update to System ROM Version 2.54 (except for the ProLiant DL20 Gen9 or ML30 Gen9)

For the ProLiant DL20 Gen9 or ProLiant ML30 Gen9 server, update to System ROM Version 2.52.

The latest version of the System ROM is available as follows:

Click the following link: https://support.hpe.com/hpesc/public/home

1. Enter a product name (e.g., "DL380 Gen10") in the text search field and wait for a list of products to populate. From the products displayed, identify the desired product and click on the *Drivers & software* icon to the right of the product.

2. From the Drivers & software dropdown menus on the left side of the page:

3. Select the Software Type - (e.g. Application (Entitlement Required))

4. Select the Software Sub Type - (e.g. System Management)

5. For further filtering if needed - Select the specific Operating System from the Operating Environment.

6. Select the appropriate version of the System ROM.

7. Click *Download*.

NOTE: It is recommended to sign-in with HPE Passport that is linked to your HPE Support Center (SC) profile. Refer to the Help topic available on the sign-in page regarding linking active warranties and/or support agreements to enable download of entitled firmware packages.

RECEIVE PROACTIVE UPDATES : Receive support alerts (such as Customer Advisories), as well as updates on drivers, software, firmware, and customer replaceable components, proactively via e-mail through HPE Subscriber's Choice. Sign up for Subscriber's Choice at the following URL: Proactive Updates Subscription Form.

NAVIGATION TIP : For hints on navigating HPE.com to locate the latest drivers, patches, and other support software downloads for ProLiant servers and Options, refer to the Navigation Tips document .

SEARCH TIP : For hints on locating similar documents on HPE.com, refer to the Search Tips Document .

Hardware Platforms Affected: HPE ProLiant ML30 Gen9 Server, HPE ProLiant DL20 Gen9 Server, HPE Synergy 480 Gen9 Compute Module, HPE Synergy 660 Gen9 Compute Module, HPE ProLiant XL270d Gen9 Special Server, HPE ProLiant MicroServer Gen10, HPE ProLiant DL360 Gen10 Server, HPE ProLiant BL460c Gen10 Server Blade, HPE Synergy 660 Gen10 Compute Module, HPE Synergy 480 Gen10 Configure-to-order Compute Module, HPE ProLiant DL380 Gen10 Server, HPE ProLiant DL560 Gen10 Server, HPE ProLiant XL230k Gen10 Server, HPE ProLiant XL170r Gen10 Server, HPE ProLiant XL190r Gen10 Server, HPE Apollo 2000 System, HPE ProLiant DL120 Gen10 Server, HPE ProLiant DL160 Gen10 Server, HPE ProLiant DL180 Gen10 Server, HPE ProLiant DL580 Gen10 Server, HPE ProLiant ML110 Gen10 Server, HPE ProLiant ML350 Gen10 Server, HPE Apollo 4510 System, HPE ProLiant XL450 Gen10 Server, HPE ProLiant DL385 Gen10 Server, HPE Apollo 6000 DLC System, HPE ProLiant DL320e Gen8 v2 Server, HPE ProLiant ML310e Gen8 v2 Server, HP ProLiant XL220a Gen8 v2 Server, HPE ProLiant DL160 Gen9 Server, HPE ProLiant DL180 Gen9 Server, HPE ProLiant DL360 Gen9 Server, HPE ProLiant BL460c Gen9 Server Blade, HPE ProLiant DL380 Gen9 Server, HPE ProLiant ML350 Gen9 Server, HP ProLiant BL460c Gen9 Server Blade, HPE ProLiant XL230a Gen9 Server, HPE ProLiant DL120 Gen9 Server, HPE ProLiant ML150 Gen9 Server, HPE ProLiant DL60 Gen9 Server, HPE ProLiant DL80 Gen9 Server, HPE ProLiant DL160 Gen9 Special Server, HPE ProLiant ML110 Gen9 Server, HPE ProLiant XL170r Gen9 Server, HPE ProLiant WS460c Gen9 Workstation, HPE ProLiant DL580 Gen9 Server, HP ProLiant DL580 Gen9 Server, HP ProLiant BL660c Gen9 Server, HPE ProLiant DL560 Gen9 Server, HPE ProLiant XL450 Gen9 Server
Operating Systems Affected: Not Applicable
Software Affected: Not Applicable
Support Communication Cross Reference ID: SIK2892