

HPE Software Security Update

HPE Propel Update for Linux Kernel “Dirty COW” Vulnerability CVE-2016-5195

Document management:

Date	Version	Change
27-Oct-2016	1.0	Initial Release

Summary:

A kernel race condition which allows for timing exploits of copy-on-write (COW) behavior can lead to escalated privileges.

Topic

Find out more about CVE-2016-5195 from the [MITRE CVE dictionary](#).

HPE has investigated the CVE-2016-5195 vulnerability in relation to HPE Propel. This document provides required actions that must be performed to mitigate this vulnerability.

Affected Releases: 1.01, 1.11, 2.01, 2.10, 2.20

ACTION: Review all details in instructions provided in this paper to address the vulnerability. HPE SW recommend to address this information as soon as possible.

Response

Impact on HPE Propel

All versions of the HPE Propel OVA ship with a kernel that is vulnerable to the exploits described in 2016-5195.

Mitigation Actions

To update the kernel the HPE Propel VM, execute:

```
# yum -y update kernel
# /sbin/shutdown -r now
```

After mitigation, 'uname -a' should report a kernel equal to (or newer than):

```
Linux [HOST] 3.10.0-327.36.3.el7.x86_64 #1 SMP Mon Oct 24 16:09:20 UTC 2016
x86_64 x86_64 x86_64 GNU/Linux
```

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