

**Date:** October 21st, 2016

**Version:** 1.0

Revision	Date	Changes
1.0	October 21st, 2016	Initial release

## **Arista Products vulnerability report for CVE-2016-5195**

On October 21st 2016, information was released about a security advisory for a race condition vulnerability in Linux kernel memory subsystem copy on write mechanism.

Arista Network's software products EOS and Cloud Vision Portal (CVP) are not exploitable by CVE-2016-5195 (Kernel Local Privilege Escalation).

### **Description:**

The Linux kernel since version 2.6.22 contains a race condition in the way the copy on write mechanism is handled by the memory subsystem, which may be leveraged locally to gain root privileges. A local, unprivileged attacker can escalate privileges to root.

This security issue relies on the user being able to run a malicious application when logged onto the system. On a standard hardened system that disallows shell access, users are not able to run arbitrary applications, making this a non-issue within Arista products.

### **References:**

<https://dirtycow.ninja/>

<https://access.redhat.com/security/cve/CVE-2016-5195>

<https://www.kb.cert.org/vuls/id/243144>

### **For More Information:**

If you require further assistance, or if you have any further questions regarding this security notice, please contact the Arista Networks Technical Assistance Center (TAC) by one of the following methods:

Open a Service Request:

By email: [support@arista.com](mailto:support@arista.com)

By telephone: 408-547-5502

866-476-0000