



# CVE-2017-1000111

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2017-1000111                                                                                                      |
| <b>State</b>           | PUBLIC                                                                                                                |
| <b>Assigner</b>        | cve@mitre.org                                                                                                         |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                          |
| <b>Published</b>       | 2017-10-05 01:29:00 UTC                                                                                               |
| <b>Updated</b>         | 2023-01-17 21:04:00 UTC                                                                                               |
| <b>Description</b>     | Linux kernel: heap out-of-bounds in AF_PACKET sockets. This new issue is analogous to previously disclosed CVE-2016-8 |

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                 | Product                                  | Version | Update | Edition | Language |
|------------------|------------------------|------------------------------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Debian</a> | <a href="#">Debian Linux</a>             | 8.0     | All    | All     | All      |
| Operating System | <a href="#">Debian</a> | <a href="#">Debian Linux</a>             | 9.0     | All    | All     | All      |
| Operating System | <a href="#">Debian</a> | <a href="#">Debian Linux</a>             | 8.0     | All    | All     | All      |
| Operating System | <a href="#">Debian</a> | <a href="#">Debian Linux</a>             | 9.0     | All    | All     | All      |
| Operating System | <a href="#">Linux</a>  | <a href="#">Linux Kernel</a>             | All     | All    | All     | All      |
| Operating System | <a href="#">Linux</a>  | <a href="#">Linux Kernel</a>             | All     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux</a>         | 5.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux</a>         | 6.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux</a>         | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux</a>         | 5.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux</a>         | 6.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux</a>         | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Desktop</a> | 6.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Desktop</a> | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Desktop</a> | 6.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Desktop</a> | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server</a>  | 6.0     | All    | All     | All      |

|                  |                        |                                              |     |     |     |     |
|------------------|------------------------|----------------------------------------------|-----|-----|-----|-----|
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server</a>      | 7.0 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server</a>      | 6.0 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server</a>      | 7.0 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Aus</a>  | 7.4 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Aus</a>  | 7.6 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Aus</a>  | 7.4 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Aus</a>  | 7.6 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Eus</a>  | 7.4 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Eus</a>  | 7.5 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Eus</a>  | 7.6 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Eus</a>  | 7.4 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Eus</a>  | 7.5 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Eus</a>  | 7.6 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Tus</a>  | 7.4 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Tus</a>  | 7.6 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Tus</a>  | 7.4 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Server Tus</a>  | 7.6 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Workstation</a> | 6.0 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Workstation</a> | 7.0 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Workstation</a> | 6.0 | All | All | All |
| Operating System | <a href="#">Redhat</a> | <a href="#">Enterprise Linux Workstation</a> | 7.0 | All | All | All |

| References                                                                                              |  |  |  |          |                                         |  |
|---------------------------------------------------------------------------------------------------------|--|--|--|----------|-----------------------------------------|--|
| Reference                                                                                               |  |  |  | Source   | Link                                    |  |
| Red Hat Customer Portal                                                                                 |  |  |  | REDHAT   | <a href="#">access.redhat.com</a>       |  |
| Red Hat Customer Portal                                                                                 |  |  |  | REDHAT   | <a href="#">access.redhat.com</a>       |  |
| CVE-2017-1000111 - Red Hat Customer Portal                                                              |  |  |  | CONFIRM  | <a href="#">access.redhat.com</a>       |  |
| Red Hat Customer Portal                                                                                 |  |  |  | REDHAT   | <a href="#">access.redhat.com</a>       |  |
| Linux Kernel packet_set_ring() Race Condition Lets Local Users Obtain Root Privileges - SecurityTracker |  |  |  | SECTRACK | <a href="#">www.securitytracker.com</a> |  |
| Linux Kernel CVE-2017-1000111 Local Privilege Escalation Vulnerability                                  |  |  |  | BID      | <a href="#">www.securityfocus.com</a>   |  |
| Debian -- Security Information -- DSA-3981-1 linux                                                      |  |  |  | DEBIAN   | <a href="#">www.debian.org</a>          |  |
| Red Hat Customer Portal                                                                                 |  |  |  | REDHAT   | <a href="#">access.redhat.com</a>       |  |
| CVE Program record                                                                                      |  |  |  | CVE.ORG  | <a href="#">www.cve.org</a>             |  |
| NVD vulnerability detail                                                                                |  |  |  | NVD      | <a href="#">nvd.nist.gov</a>            |  |

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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