# CVE-2019-14816

MITRE | NVD | CVE.ORG | Print: PDF

## Summary

| | |
|---|---|
| **CVE** | CVE-2019-14816 |
| **State** | PUBLIC |
| **Assigner** | secalert@redhat.com |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2019-09-20 19:15:00 UTC |
| **Updated** | 2023-07-12 19:27:00 UTC |
| **Description** | There is heap-based buffer overflow in kernel, all versions up to, excluding 5.3, in the marvell wifi chip driver in Linux kernel |

## Risk And Classification

**Problem Types:** CWE-122

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Canonical | Ubuntu Linux | 14.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 16.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 18.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 19.04 | All | All | All |
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Operating System | Fedoraproject | Fedora | 29 | All | All | All |
| Operating System | Fedoraproject | Fedora | 30 | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Hardware | Netapp | A220 | - | All | All | All |
| Operating System | Netapp | A220 Firmware | - | All | All | All |
| Hardware | Netapp | A320 | - | All | All | All |
| Operating System | Netapp | A320 Firmware | - | All | All | All |
| Hardware | Netapp | A700s | - | All | All | All |
| Operating System | Netapp | A700s Firmware | - | All | All | All |
| Hardware | Netapp | A800 | - | All | All | All |
| Operating System | Netapp | A800 Firmware | - | All | All | All |

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|---|---|---|---|---|---|---|
| Hardware | Netapp | C190 | - | All | All | All |
| Operating System | Netapp | C190 Firmware | - | All | All | All |
| Application | Netapp | Data Availability Services | - | All | All | All |
| Hardware | Netapp | Fas2720 | - | All | All | All |
| Operating System | Netapp | Fas2720 Firmware | - | All | All | All |
| Hardware | Netapp | Fas2750 | - | All | All | All |
| Operating System | Netapp | Fas2750 Firmware | - | All | All | All |
| Hardware | Netapp | H300e | - | All | All | All |
| Operating System | Netapp | H300e Firmware | - | All | All | All |
| Hardware | Netapp | H300s | - | All | All | All |
| Operating System | Netapp | H300s Firmware | - | All | All | All |
| Hardware | Netapp | H410s | - | All | All | All |
| Operating System | Netapp | H410s Firmware | - | All | All | All |
| Hardware | Netapp | H500e | - | All | All | All |
| Operating System | Netapp | H500e Firmware | - | All | All | All |
| Hardware | Netapp | H500s | - | All | All | All |
| Operating System | Netapp | H500s Firmware | - | All | All | All |
| Hardware | Netapp | H610s | - | All | All | All |
| Operating System | Netapp | H610s Firmware | - | All | All | All |
| Hardware | Netapp | H700e | - | All | All | All |
| Operating System | Netapp | H700e Firmware | - | All | All | All |
| Hardware | Netapp | H700s | - | All | All | All |
| Operating System | Netapp | H700s Firmware | - | All | All | All |
| Application | Netapp | Hci Management Node | - | All | All | All |
| Application | Netapp | Service Processor | - | All | All | All |
| Application | Netapp | Solidfire | - | All | All | All |
| Application | Netapp | Steelstore Cloud Integrated Storage | - | All | All | All |
| Operating System | Opensuse | Leap | 15.0 | All | All | All |
| Operating System | Opensuse | Leap | 15.1 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 5.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 6.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 6.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 8.0 | All | All | All |

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|---|---|---|---|---|---|---|
| Operating System | Redhat | Enterprise Linux | 5.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 6.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 8.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Compute Node Eus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 7.7 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 8.1 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 8.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Power Big Endian Eus | 7.6_ppc64 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time | 7 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time | 8 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time For Nfv | 7 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time For Nfv | 8 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time For Nfv Tus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time For Nfv Tus | 8.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time Tus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux For Real Time Tus | 8.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server | 8.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 7.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 7.3 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 8.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 7.3 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 8.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux Tus | 7.7 | All | All | All |
| Operating System | Redhat | Messaging Realtime Grid | 2.0 | All | All | All |
| Operating System | Redhat | Messaging Realtime Grid | 2.0 | All | All | All |
| Application | Redhat | Virtualization | 4.0 | All | All | All |
| Operating System | Redhat | Virtualization | 4.2 | All | All | All |

## References

| Reference | Source |
|---|---|
| Bugtraq: [slackware-security] Slackware 14.2 kernel (SSA:2019-311-01) | BUGTRAQ |
| Red Hat Customer Portal | REDHAT |
| 1744149 – (CVE-2019-14816) CVE-2019-14816 kernel: heap overflow in mwifiex_update_vs_ie() function of Marvell WiFi driver | MISC |
| Red Hat Customer Portal | REDHAT |
| oss-security - Linux kernel: three heap overflow in the marvell wifi driver | MISC |
| [SECURITY] [DLA 1930-1] linux security update | MLIST |
| Red Hat Customer Portal | REDHAT |
| Red Hat Customer Portal | MISC |
| Red Hat Customer Portal | REDHAT |
| Red Hat Customer Portal | REDHAT |
| 1744149 – (CVE-2019-14816) CVE-2019-14816 kernel: heap overflow in mwifiex_update_vs_ie() function of Marvell WiFi driver | CONFIRM |
| Red Hat Customer Portal | REDHAT |
| [SECURITY] Fedora 29 Update: kernel-headers-5.2.11-100.fc29 - package-announce - Fedora Mailing-Lists | FEDORA |
| [SECURITY] Fedora 29 Update: kernel-headers-5.2.11-100.fc29 - package-announce - Fedora Mailing-Lists | MISC |
| USN-4162-2: Linux kernel (Azure) vulnerabilities \| Ubuntu security notices | UBUNTU |
| Red Hat Customer Portal - Access to 24x7 support and knowledge | MISC |
| [security-announce] openSUSE-SU-2019:2181-1: important: Security update | SUSE |
| mwifiex: Fix three heap overflow at parsing element in cfg80211_ap_se… · torvalds/linux@7caac62 · GitHub | MISC |
| Red Hat Customer Portal | REDHAT |
| oss-security - Linux kernel: three heap overflow in the marvell wifi driver | MLIST |
| Red Hat Customer Portal | REDHAT |
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| USN-4162-1: Linux kernel vulnerabilities \| Ubuntu security notices | UBUNTU |
| [SECURITY] [DLA 2114-1] linux-4.9 security update | MLIST |
| Slackware Security Advisory - Slackware 14.2 kernel Updates ≈ Packet Storm | MISC |
| [security-announce] openSUSE-SU-2019:2173-1: important: Security update | SUSE |
| USN-4163-2: Linux kernel (Xenial HWE) vulnerabilities \| Ubuntu security notices | UBUNTU |
| USN-4157-1: Linux kernel vulnerabilities \| Ubuntu security notices \| Ubuntu | UBUNTU |
| [SECURITY] Fedora 30 Update: kernel-5.2.11-200.fc30 - package-announce - Fedora Mailing-Lists | MISC |
| USN-4163-1: Linux kernel vulnerabilities \| Ubuntu security notices | UBUNTU |
| USN-4157-2: Linux kernel (HWE) vulnerabilities \| Ubuntu security notices | UBUNTU |
| Red Hat Customer Portal | REDHAT |
| Kernel Live Patch Security Notice LSN-0058-1 ≈ Packet Storm | MISC |

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|---|---|
| Red Hat Customer Portal - Access to 24x7 support and knowledge | MISC |
| access.redhat.com/security/cve/CVE-2019-14816 | MISC |
| October 2019 Linux Kernel Vulnerabilities in NetApp Products \| NetApp Product Security | CONFIRM |
| kernel/git/torvalds/linux.git - Linux kernel source tree | MISC |
| [SECURITY] Fedora 30 Update: kernel-5.2.11-200.fc30 - package-announce - Fedora Mailing-Lists | FEDORA |
| CVE Program record | CVE.ORG |
| NVD vulnerability detail | NVD |

No vendor comments have been submitted for this CVE.

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