



# CVE-2021-20194

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

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2021-20194   |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | secalert@redhat.com  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2021-02-23 23:15:00 UTC  |
| <b>Updated</b>         | 2023-02-12 22:15:00 UTC  |
| <b>Description</b>     | There is a vulnerability in the linux kernel versions higher than 5.2 (if kernel compiled with config params CONFIG_BPF_SY |

## Risk And Classification

### Problem Types: CWE-20

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor | Product                      | Version | Update | Edition | Language |
|------------------|--------|------------------------------|---------|--------|---------|----------|
| Operating System | Linux  | Linux Kernel                 | All     | All    | All     | All      |
| Operating System | Linux  | Linux Kernel                 | All     | All    | All     | All      |
| Operating System | Redhat | Enterprise Linux             | 8.0     | All    | All     | All      |
| Operating System | Redhat | Enterprise Linux             | 8.0     | All    | All     | All      |
| Application      | Redhat | Openshift Container Platform | 4.4     | All    | All     | All      |
| Application      | Redhat | Openshift Container Platform | 4.5     | All    | All     | All      |
| Application      | Redhat | Openshift Container Platform | 4.6     | All    | All     | All      |
| Application      | Redhat | Openshift Container Platform | 4.4     | All    | All     | All      |
| Application      | Redhat | Openshift Container Platform | 4.5     | All    | All     | All      |
| Application      | Redhat | Openshift Container Platform | 4.6     | All    | All     | All      |

## References

| Reference   | Source | Link                            |
|---|--------|---------------------------------|
| Red Hat Customer Portal - Access to 24x7 support and knowledge  | MISC   | <a href="#">access.redhat.</a>  |
| 1912683 – (CVE-2021-20194) CVE-2021-20194 kernel: heap overflow in __cgroup_bpf_run_filter_getsockopt() | MISC   | <a href="#">bugzilla.redhat</a> |
| Red Hat Customer Portal - Access to 24x7 support and knowledge  | MISC   | <a href="#">access.redhat.</a>  |
| Red Hat Customer Portal - Access to 24x7 support and knowledge  | MISC   | <a href="#">access.redhat.</a>  |

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|--|---------|---|
| CVE-2021-20194 Linux Kernel Vulnerability in NetApp Products   NetApp Product Security | CONFIRM | <a href="https://security.netapp.com">security.netapp.com</a> |
| CVE Program record   | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                 |
| NVD vulnerability detail   | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</a>               |

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

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|--|
| <a href="#">159492</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2021-4356)   |
| <a href="#">179880</a> Debian Security Update for linux (CVE-2021-20194)   |
| <a href="#">198298</a> Ubuntu Security Notification for Linux, Linux-aws, Linux-azure, Linux-gcp, Linux-hwe-5.8, Linux-kvm, (USN-4879-1) |
| <a href="#">198304</a> Ubuntu Security Notification for Linux-oem-5.10 Vulnerabilities (USN-4884-1)                                      |
| <a href="#">198325</a> Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4909-1)  |
| <a href="#">198328</a> Ubuntu Security Notification for Linux kernel (OEM) vulnerabilities (USN-4912-1)                                  |
| <a href="#">239816</a> Red Hat Update for kernel security (RHSA-2021:4356)   |
| <a href="#">239879</a> Red Hat Update for kernel-rt (RHSA-2021:4140)   |
| <a href="#">900084</a> CBL-Mariner Linux Security Update for kernel 5.10.52.1  |
| <a href="#">900302</a> CBL-Mariner Linux Security Update for kernel 5.10.57.1  |
| <a href="#">900318</a> CBL-Mariner Linux Security Update for kernel 5.10.60.1  |
| <a href="#">901493</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6529-1)                                       |
| <a href="#">902698</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3908-1)                                       |
| <a href="#">905870</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3908-2)                                       |
| <a href="#">906476</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6529-2)                                       |
| <a href="#">940265</a> AlmaLinux Security Update for kernel (ALSA-2021:4356)   |

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