



# CVE-2020-9391

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

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2020-9391   |
| <b>State</b>           | PUBLIC  |
| <b>Assigner</b>        | cve@mitre.org   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2020-02-25 18:15:00 UTC   |
| <b>Updated</b>         | 2023-11-07 03:26:00 UTC   |
| <b>Description</b>     | An issue was discovered in the Linux kernel 5.4 and 5.5 through 5.5.6 on the AArch64 architecture. It ignores the top byte in |

## 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="#">Fedoraproject</a> | <a href="#">Fedora</a>                              | 31      | All    | All     | All      |
| Operating System | <a href="#">Fedoraproject</a> | <a href="#">Fedora</a>                              | 31      | All    | All     | All      |
| Operating System | <a href="#">Linux</a>         | <a href="#">Linux Kernel</a>                        | 5.4     | All    | All     | All      |
| Operating System | <a href="#">Linux</a>         | <a href="#">Linux Kernel</a>                        | 5.4     | All    | All     | All      |
| Operating System | <a href="#">Linux</a>         | <a href="#">Linux Kernel</a>                        | All     | All    | All     | All      |
| Application      | <a href="#">Netapp</a>        | <a href="#">Active Iq Unified Manager</a>           | -       | All    | All     | All      |
| Application      | <a href="#">Netapp</a>        | <a href="#">Cloud Backup</a>                        | -       | All    | All     | All      |
| Application      | <a href="#">Netapp</a>        | <a href="#">Data Availability Services</a>          | -       | All    | All     | All      |
| Hardware         | <a href="#">Netapp</a>        | <a href="#">H410c</a>                               | -       | All    | All     | All      |
| Operating System | <a href="#">Netapp</a>        | <a href="#">H410c Firmware</a>                      | -       | All    | All     | All      |
| Application      | <a href="#">Netapp</a>        | <a href="#">Hci Management Node</a>                 | -       | All    | All     | All      |
| Application      | <a href="#">Netapp</a>        | <a href="#">Solidfire</a>                           | -       | All    | All     | All      |
| Application      | <a href="#">Netapp</a>        | <a href="#">Steelstore Cloud Integrated Storage</a> | -       | All    | All     | All      |

## References

| Reference  | Source | Link                  |
|--|--------|-----------------------|
| [SECURITY] Fedora 31 Update: kernel-5.5.6-201.fc31 - package-announce - Fedora Mailing-Lists | FEDORA | <a href="#">lists</a> |

|  |         |                       |
|--|---------|-----------------------|
| [SECURITY] Fedora 31 Update: kernel-5.5.6-201.fc31 - package-announce - Fedora Mailing-Lists                           |         | <a href="#">lists</a> |
| kernel/git/torvalds/linux.git - Linux kernel source tree   | MISC    | <a href="#">git.k</a> |
| 1797052 – CVE-2020-9391 kernel: brk discards top byte of addresses on aarch64, causing heap corruption in glibc malloc | MISC    | <a href="#">bug</a>   |
| oss-security - CVE-2020-9391: Ignoring the top byte of addresses in brk causes heap corruption (AArch64)               | MLIST   | <a href="#">ww</a>    |
| February 2020 Linux Kernel Vulnerabilities in NetApp Products   NetApp Product Security                                | CONFIRM | <a href="#">sec</a>   |
| CVE Program record   | CVE.ORG | <a href="#">ww</a>    |
| NVD vulnerability detail   | NVD     | <a href="#">nvd</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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