



# CVE-2020-10690

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2020-10690
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2020-05-08 15:15:00 UTC
<b>Updated</b>	2023-11-07 03:14:00 UTC
<b>Description</b>	There is a use-after-free in kernel versions before 5.5 due to a race condition between the release of ptp_clock and cdev w

## Risk And Classification

**Problem Types:** CWE-416

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	14.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	8.0	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
Application	<a href="#">Netapp</a>	<a href="#">Active Iq Unified Manager</a>	-	All	All	All
Application	<a href="#">Netapp</a>	<a href="#">Element Software</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H300e</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H300e Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H300s</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H300s Firmware</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
Hardware	<a href="#">Netapp</a>	<a href="#">H410s</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H410s Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H500e</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H500e Firmware</a>	-	All	All	All

Hardware	<a href="#">Netapp</a>	<a href="#">H500s</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H500s Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H610c</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H610c Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H610s</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H610s Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H615c</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H615c Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H700e</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H700e Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">H700s</a>	-	All	All	All
Operating System	<a href="#">Netapp</a>	<a href="#">H700s Firmware</a>	-	All	All	All
Hardware	<a href="#">Netapp</a>	<a href="#">Hci Compute Node</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
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	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>	8.0	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>	8.0	All	All	All

## References

### Reference

[USN-4419-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu](#)

[May 2020 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security](#)

[\[SECURITY\] \[DLA 2241-2\] linux security update](#)

[1817141 – \(CVE-2020-10690\) CVE-2020-10690 kernel: use-after-free in cdev\\_put\(\) when a PTP device is removed while it's chardev is open](#)

[\[SECURITY\] \[DLA 2241-1\] linux security update](#)

[\[security-announce\] openSUSE-SU-2020:0801-1: important: Security update](#)

[CVE Program record](#)

[NVD vulnerability detail](#)



No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[160190](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9969)

[352300](#) Amazon Linux Security Advisory for kernel: ALAC2012-2020-020

[670185](#) EulerOS Security Update for kernel (EulerOS-SA-2021-1684)

[900076](#) CBL-Mariner Linux Security Update for kernel 5.4.91

[903255](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3513)

[905884](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3513-1)

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