



# CVE-2022-2503

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

## Summary

<b>CVE</b>	CVE-2022-2503
<b>State</b>	PUBLIC
<b>Assigner</b>	security@google.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-08-12 11:15:00 UTC
<b>Updated</b>	2023-02-14 13:15:00 UTC
<b>Description</b>	Dm-verity is used for extending root-of-trust to root filesystems. LoadPin builds on this property to restrict module/firmware I

## Risk And Classification

**Problem Types:** CWE-287

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

## References

Reference	Source	Link	Tags
August 2022 Linux Kernel 5.18 Vulnerabilities in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.com</a>	
Linux: LoadPin bypass via dm-verity table reload · Advisory · google/security-research · GitHub	CONFIRM	<a href="https://github.com">github.com</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[160123](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9852)

[180951](#) Debian Security Update for linux (CVE-2022-2503)

[198921](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5594-1)

[198927](#) Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-5599-1)

<a href="#">198929</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5602-1)
<a href="#">198942</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5616-1)
<a href="#">198949</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5622-1)
<a href="#">198950</a> Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5623-1)
<a href="#">198954</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5630-1)
<a href="#">198962</a> Ubuntu Security Notification for Linux kernel (Azure CVM) Vulnerabilities (USN-5639-1)
<a href="#">198966</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5647-1)
<a href="#">198970</a> Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5654-1)
<a href="#">198974</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5660-1)
<a href="#">199560</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6001-1)
<a href="#">199568</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6013-1)
<a href="#">199577</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6014-1)
<a href="#">242151</a> Red Hat Update for kernel security (RHSA-2023:5627)
<a href="#">377117</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0158)
<a href="#">377871</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0001)
<a href="#">390268</a> Oracle VM Server for x86 Security Update for kernel (OVMSA-2022-0026)
<a href="#">672205</a> EulerOS Security Update for kernel (EulerOS-SA-2022-2466)
<a href="#">672278</a> EulerOS Security Update for kernel (EulerOS-SA-2022-2686)
<a href="#">672286</a> EulerOS Security Update for kernel (EulerOS-SA-2022-2654)
<a href="#">672354</a> EulerOS Security Update for kernel (EulerOS-SA-2022-2732)
<a href="#">672391</a> EulerOS Security Update for kernel (EulerOS-SA-2022-2767)
<a href="#">672711</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1507)
<a href="#">752668</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3586-1)
<a href="#">752669</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3587-1)
<a href="#">752671</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3584-1)
<a href="#">752700</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3688-1)
<a href="#">752702</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3693-1)
<a href="#">752708</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3704-1)
<a href="#">752704</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3775-1)

<a href="#">752724</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3773-1)
<a href="#">753370</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3609-1)
<a href="#">753374</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3809-1)
<a href="#">902750</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10563)
<a href="#">902755</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10559)
<a href="#">904128</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10559-1)
<a href="#">904212</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10563-1)
<a href="#">905843</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10563-2)
<a href="#">906334</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10559-2)

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