CVE-2023-0458

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Summary

CVE	CVE-2023-0458
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-04-26 19:15:00 UTC
Updated	2023-05-09 13:58:00 UTC
Description	A speculative pointer dereference problem exists in the Linux Kernel on the do_prlimit() function. The resource argument va

Risk And Classification

Problem Types: CWE-476

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	6.2	rc1	All	All
Operating System	Linux	Linux Kernel	6.2	rc2	All	All
Operating System	Linux	Linux Kernel	6.2	rc3	All	All
Operating System	Linux	Linux Kernel	6.2	rc4	All	All

References

Reference	Source	Link	Tags
kernel/git/stable/linux.git - Linux kernel stable tree	MISC	git.kernel.org	
[SECURITY] [DLA 3403-1] linux security update	MISC	lists.debian.org	
prlimit: do_prlimit needs to have a speculation check · torvalds/linux@7397906 · GitHub	MISC	github.com	
[SECURITY] [DLA 3404-1] linux-5.10 security update	MISC	lists.debian.org	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

160719 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12375)

160837 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-4377)

161147 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7077)

181765 Debian Security Update for linux-5.10 (DLA 3404-1)

181768 Debian Security Update for linux (DLA 3403-1)

184967 Debian Security Update for linux (CVE-2023-0458)

199343 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6079-1)

199353 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6091-1)

199354 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6096-1)

199356 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6093-1)

199385 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6134-1)

199465 Ubuntu Security Notification for Linux kernel (Xilinx ZynqMP) Vulnerabilities (USN-6222-1)

199614 Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6256-1)

199617 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6254-1)

199764 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)

199775 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6341-1)

241878 Red Hat Update for kernel security (RHSA-2023:4377)

241886 Red Hat Update for kernel-rt (RHSA-2023:4378)

242434 Red Hat Update for kernel-rt security (RHSA-2023:6901)

242451 Red Hat Update for kernel security (RHSA-2023:7077)

242789 Red Hat Update for kernel (RHSA-2024:0575)

242890 Red Hat Update for kernel (RHSA-2024:0724)

355255 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355287 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355294 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355295 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355300 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355303 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355309 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355312 Amazon Linux Security Advisory for kernel : ALAS2023-2023-127

378701 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0030)

378710 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0079)

379043 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)

390285 Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2023-0017)

390286 Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2023-0018)

390292 Oracle Managed Virtualization (VM) Server for x86 Security Update for None (OVMSA-2023-0016)

673214 EulerOS Security Update for kernel (EulerOS-SA-2023-2383)

673232 EulerOS Security Update for kernel (EulerOS-SA-2023-2357)

673261 EulerOS Security Update for kernel (EulerOS-SA-2023-2614)

673272 EulerOS Security Update for kernel (EulerOS-SA-2023-2584)

673393 EulerOS Security Update for kernel (EulerOS-SA-2023-2647)

673498 EulerOS Security Update for kernel (EulerOS-SA-2023-3132)

674113 EulerOS Security Update for kernel (EulerOS-SA-2023-2689)

906883 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (26412-1)

906930 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (26415-1)

941213 AlmaLinux Security Update for kernel (ALSA-2023:4377)

941214 AlmaLinux Security Update for kernel-rt (ALSA-2023:4378)

941453 AlmaLinux Security Update for kernel (ALSA-2023:7077)

960961 Rocky Linux Security Update for kernel-rt (RLSA-2023:4378)