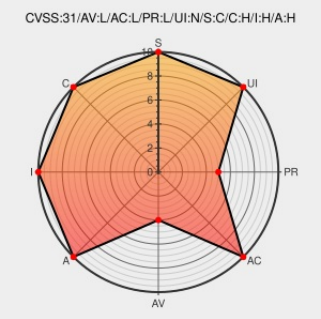
CVE-2022-1043

Published on: Not Yet Published

Last Modified on: 02/02/2023 05:13:00 PM UTC

CVE-2022-1043

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Linux Kernel from Linux contain the following vulnerability:

A flaw was found in the Linux kernel's io_uring implementation. This flaw allows an attacker with a local account to corrupt system memory, crash the system or escalate privileges.

CVE-2022-1043 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 8.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
CHANGED	HIGH	HIGH	HIGH

CVE References

Description	Tags	Link
io_uring: fix xa_alloc_cycle() error return value check · torvalds/linux@a30f895 · GitHub	github.com text/html	MISC github.com/torvalds/linux/commit/a30f895ad3239f45012e860d4f94c1a388b36d14
Red Hat Customer Portal - Access to 24x7 support and knowledge	access.redhat.com text/html	MISC access.redhat.com/security/cve/CVE-2022-1043
io_uring Same Type Object Reuse Privilege Escalation ≈ Packet Storm	packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/170834/io_uring-Same-Type-Object-Reuse-Privilege-Escalation.html
1997328 – (CVE-2022-1043) CVE-2022-1043 kernel: Linux Kernel io_uring Use-After-Free Privilege	bugzilla.redhat.com text/html	MISC bugzilla.redhat.com/show_bug.cgi?id=1997328

Escalation Vulnerability

ZDI-22-362 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-22-362/

Related QID Numbers

179156 Debian Security Update for linux (CVE-2022-1043)

903746 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10796)

904101 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10796-1)

905809 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10796-2)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.14	rc1	All	All
Operating System	Linux	Linux Kernel	5.14	rc2	All	All
Operating System	Linux	Linux Kernel	5.14	rc3	All	All
Operating System	Linux	Linux Kernel	5.14	rc4	All	All
Operating System	Linux	Linux Kernel	5.14	rc5	All	All
Operating System	Linux	Linux Kernel	5.14	rc6	All	All

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.14:rc1:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.14:rc2:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.14:rc3:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.14:rc4:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.14:rc5:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:5.14:rc6:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-1043 : A flaw was found in the #Linux #kernel's io_uring implementation. This flaw allows an attacker with… twitter.com/i/web/status/1…	2022-08-29 15:12:42
/r/netcve	CVE-2022-1043	2022-08-29 16:38:40

← Previous ID

Next ID→