CVE-2022-4127

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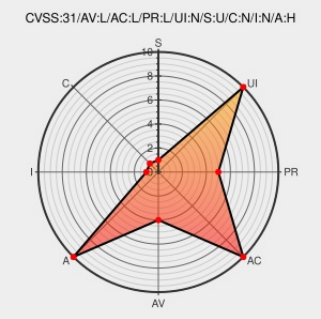
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

A NULL pointer dereference issue was discovered in the Linux kernel in io_files_update_with_index_alloc. A local user could use this flaw to potentially crash the system causing a denial of service.

CVE-2022-4127 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

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

CVE References

Description	Tags	Link
[PATCH] io_uring: check that we have a file table when allocating update slots - Jens Axboe	lore.kernel.org text/html	MISC lore.kernel.org/all/d5a19c1e-9968-e22e-5917-c3139c5e7e89@kernel.dk/
io_uring: check that we have a file table when allocating update slots · torvalds/linux@d785a77 · GitHub	github.com text/html	MISC github.com/torvalds/linux/commit/d785a773bed966a75ca1f11d108ae1897189975b

Related QID Numbers

904590 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (11566)

904616 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (11517)

904724 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (11517-1)

904744 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (11566-1)

905896 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (11566-2)

906276 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (11517-2)

Known Affected Configurations (CPE V2.3)

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

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

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-4127 : A NULL pointer dereference issue was discovered in the #Linux #kernel in io_files_update_with_index… twitter.com/i/web/status/1…	2022-11-28 22:04:36
/r/netcve	CVE-2022-4127	2022-11-28 23:38:45
/r/DailyCVE	CVE-2022-4127	2022-11-29 04:18:33

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