

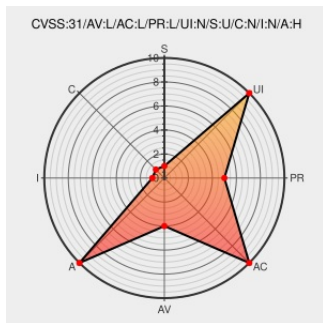


CVE-2022-4127

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CVE-2022-4127

[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

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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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