



CVE-2021-3839

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Summary

CVE	CVE-2021-3839
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-23 16:15:00 UTC
Updated	2023-11-07 03:38:00 UTC
Description	A flaw was found in the vhost library in DPDK. Function vhost_user_set_inflight_fd() does not validate `msg->payload.inflight`

Risk And Classification

Problem Types: CWE-125 | CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Dpdk	Data Plane Development Kit	All	All	All	All
Application	Dpdk	Data Plane Development Kit	22.03	rc1	All	All
Application	Dpdk	Data Plane Development Kit	22.03	rc2	All	All
Application	Dpdk	Data Plane Development Kit	22.03	rc3	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All	All
Application	Redhat	Enterprise Linux Fast Datapath	7.0	All	All	All
Application	Redhat	Enterprise Linux Fast Datapath	8.0	All	All	All

References

Reference	Source
vhost: fix queue number check when setting inflight FD · DPDK/dpdk@6442c32 · GitHub	MISC
2025882 – (CVE-2021-3839) CVE-2021-3839 DPDK: out-of-bounds read/write in vhost_user_set_inflight_fd() may lead to crash	MISC
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC
CVE Program record	CVE.ORG

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[160307](#) Oracle Enterprise Linux Security Update for dpdk (ELSA-2022-8263)

[179268](#) Debian Security Update for dpdk (DSA 5130-1)

[182127](#) Debian Security Update for dpdk (CVE-2021-3839)

[198772](#) Ubuntu Security Notification for DPDK Vulnerabilities (USN-5401-1)

[240900](#) Red Hat Update for dpdk (RHSA-2022:8263)

[672077](#) EulerOS Security Update for dpdk (EulerOS-SA-2022-2254)

[672079](#) EulerOS Security Update for dpdk (EulerOS-SA-2022-2241)

[672084](#) EulerOS Security Update for dpdk (EulerOS-SA-2022-2284)

[672133](#) EulerOS Security Update for dpdk (EulerOS-SA-2022-2313)

[752291](#) SUSE Enterprise Linux Security Update for dpdk (SUSE-SU-2022:2273-1)

[753440](#) SUSE Enterprise Linux Security Update for dpdk (SUSE-SU-2022:1892-1)

[940804](#) AlmaLinux Security Update for dpdk (ALSA-2022:8263)

[960601](#) Rocky Linux Security Update for dpdk (RLSA-2022:8263)

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