



CVE-2023-40998

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Summary

CVE	CVE-2023-40998
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-08-28 22:15:00 UTC
Updated	2023-08-31 00:26:00 UTC
Description	Buffer Overflow vulnerability in O-RAN Software Community ric-plt-lib-rmr v.4.9.0 allows a remote attacker to cause a denial of service (DoS) by sending a specially crafted packet to the target device. The vulnerability is located in the ric-plt-lib-rmr module, which is responsible for processing RMR (Radio Message Router) packets. The attack is triggered when the target device receives a packet with a negative packet size, causing a buffer overflow and a crash. The vulnerability is rated as High (CVSS 9.8).

Risk And Classification

Problem Types: CWE-120

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	O-ran-sc	Ric Message Router	4.9.0	All	All	All

References

Reference	Source	Link	Tags
[RIC-989] RMR: Negative Packet Size Causes Crash - ORAN Jira	MISC	jira.o-ran-sc.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.

There are currently no legacy QID mappings associated with this CVE.

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