



Open5GS VoLTE Cx-Test hss-cx-path.c hss_ogs_diam_cx_mar_cb stack-based overflow

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2025-15555
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-02-04 21:15:57 UTC
Updated	2026-04-07 16:16:22 UTC
Description	A security flaw has been discovered in Open5GS up to 2.7.6. Affected by this vulnerability is the function hss_ogs_diam_cx

Risk And Classification

Primary CVSS: v4.0 6.9 MEDIUM from cna@vuldb.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000370000 probability, percentile 0.108210000 (date 2026-04-07)

Problem Types: CWE-119 | CWE-121 | CWE-787 | CWE-121 Stack-based Buffer Overflow | CWE-119 Memory Corruption

Version	Source	Type	Score	Severity	Vector
4.0	cna@vuldb.com	Secondary	6.9	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
4.0	CNA	DECLARED	6.9	MEDIUM	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
3.1	nvd@nist.gov	Primary	8.2	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:L
3.1	cna@vuldb.com	Secondary	7.3	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L
3.1	CNA	DECLARED	7.3	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L/E:X/RL:O/RC:C
3.0	CNA	DECLARED	7.3	HIGH	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L/E:X/RL:O/RC:C
2.0	cna@vuldb.com	Secondary	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P
2.0	CNA	DECLARED	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P/E:ND/RL:OF/RC:C

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

Low

Integrity

Low

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MS:C:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

Low

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:L

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L/E:X/RL:O/RC:C

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Open5gs	Open5gs	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	Open5GS	affected 2.7.0	Not specified
CNA	Na	Open5GS	affected 2.7.1	Not specified
CNA	Na	Open5GS	affected 2.7.2	Not specified
CNA	Na	Open5GS	affected 2.7.3	Not specified
CNA	Na	Open5GS	affected 2.7.4	Not specified
CNA	Na	Open5GS	affected 2.7.5	Not specified
CNA	Na	Open5GS	affected 2.7.6	Not specified

References

Reference	Source	Link
github.com/open5gs/open5gs/issues/4177	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.c
vuldb.com/submit/741901	cna@vuldb.com	vuldb.c
github.com/open5gs/open5gs/issues/4177	cna@vuldb.com	github.c
vuldb.com/vuln/343795	cna@vuldb.com	vuldb.c

github.com/open5gs/open5gs/commit/54dda041211098730221d0ae20a2f9f9173e7a21	cna@vuldb.com	github.c
vuldb.com/vuln/343795/cti	cna@vuldb.com	vuldb.c
github.com/open5gs/open5gs	cna@vuldb.com	github.c
CVE Program record	CVE.ORG	www.cv
NVD vulnerability detail	NVD	nvd.nist

Vendor Comments And Credit

Discovery Credit

CNA: Luca Jungnickel (Fraunhofer FOKUS) (en)

CNA: jungnickel (VulDB User) (en)

CNA: jungnickel (VulDB User) (en)

Additional Advisory Data

Source	Time	Event
CNA	2026-02-02T00:00:00.000Z	Advisory disclosed
CNA	2026-02-02T01:00:00.000Z	VulDB entry created
CNA	2026-04-07T17:49:13.000Z	VulDB entry last update

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

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