



osrg GoBGP bgp.go DecodeFromBytes off-by-one

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

Summary

CVE	CVE-2026-5123
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-30 16:16:10 UTC
Updated	2026-04-01 14:24:21 UTC
Description	A weakness has been identified in osrg GoBGP up to 4.3.0. This impacts the function DecodeFromBytes of the file pkg/pac

Risk And Classification

Primary CVSS: v4.0 6.3 MEDIUM from cna@vuldb.com

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/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: 0.000470000 probability, percentile 0.144410000 (date 2026-04-02)

Problem Types: CWE-189 | CWE-193 | CWE-193 Off-by-One | CWE-189 Numeric Error

Version	Source	Type	Score	Severity	Vector
4.0	cna@vuldb.com	Secondary	6.3	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/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	6.3	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/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	cna@vuldb.com	Primary	3.7	LOW	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L
3.1	CNA	DECLARED	3.7	LOW	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L/E:X/RL:O/RC:C
3.0	CNA	DECLARED	3.7	LOW	CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L/E:X/RL:O/RC:C
2.0	cna@vuldb.com	Secondary	2.6		AV:N/AC:H/Au:N/C:N/I:N/A:P
2.0	CNA	DECLARED	2.6		AV:N/AC:H/Au:N/C:N/I:N/A:P/E:ND/RL:OF/RC:C

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

None

None

Privileges Required

None

User Interaction

None

Confidentiality

None

Integrity

None

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/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

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

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

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Osrg	GoBGP	affected 4.0	Not specified
CNA	Osrg	GoBGP	affected 4.1	Not specified
CNA	Osrg	GoBGP	affected 4.2	Not specified
CNA	Osrg	GoBGP	affected 4.3.0	Not specified

References

Reference	Source	Link	Tags
vuldb.com/submit/780179	cna@vuldb.com	vuldb.com	
github.com/osrg/gobgp	cna@vuldb.com	github.com	
vuldb.com/vuln/354155	cna@vuldb.com	vuldb.com	
vuldb.com/vuln/354155/cti	cna@vuldb.com	vuldb.com	
github.com/osrg/gobgp/commit/67c059413470df64bc20801c46f64058e88f800f	cna@vuldb.com	github.com	
github.com/osrg/gobgp/pull/3342	cna@vuldb.com	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Sunxj (VulDB User) (en)

Additional Advisory Data

Source	Time	Event
CNA	2026-03-30T00:00:00.000Z	Advisory disclosed
CNA	2026-03-30T02:00:00.000Z	VulDB entry created
CNA	2026-03-30T09:55:43.000Z	VulDB entry last update

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

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