



Signal K Server has an Unauthenticated Regular Expression Denial of Service (ReDoS) via WebSocket Subscription Paths

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

Summary

CVE	CVE-2026-39320
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-21 01:16:05 UTC
Updated	2026-04-21 01:16:05 UTC
Description	Signal K Server is a server application that runs on a central hub in a boat. Versions prior to 2.25.0 are vulnerable to an unauthenticated regular expression denial of service (ReDoS) via WebSocket subscription paths.

Risk And Classification

Primary CVSS: v3.1 7.5 HIGH from security-advisories@github.com

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

Problem Types: CWE-400 | CWE-1333 | CWE-400 CWE-400: Uncontrolled Resource Consumption | CWE-1333 CWE-1333: Inefficient Regular Expression Complexity

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
3.1	CNA	DECLARED	7.5	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

None

Integrity

None

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	SignalK	Signalk-server	affected < 2.25.0	Not specified

References

Reference	Source	Link	Tags
github.com/SignalK/signalk-server/releases/tag/v2.25.0	security-advisories@github.com	github.com	
github.com/SignalK/signalk-server/pull/2568	security-advisories@github.com	github.com	
github.com/SignalK/signalk-server/commit/215d81eb700d5419c3396a0bf23f2e...	security-advisories@github.com	github.com	
github.com/SignalK/signalk-server/security/advisories/GHSA-7gcj-phff-2884	security-advisories@github.com	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical

No vendor comments have been submitted for this CVE.

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

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