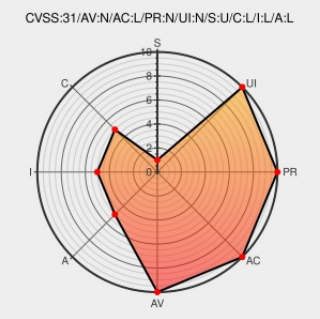
CVE-2023-27594

Published on: Not Yet Published

Last Modified on: 03/24/2023 04:33:00 PM UTC

CVE-2023-27594 - advisory for GHSA-8fg8-jh2h-f2hc

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Cilium from Cilium contain the following vulnerability:

Cilium is a networking, observability, and security solution with an eBPF-based dataplane. Prior to versions 1.11.15, 1.12.8, and 1.13.1, under specific conditions, Cilium may misattribute the source IP address of traffic to a cluster, identifying external traffic as coming from the host on which Cilium is running. As a consequence, network policies for that cluster might be bypassed, depending on the specific network policies enabled. This issue only manifests when Cilium is routing IPv6 traffic and NodePorts are used to route traffic to pods. IPv6 and endpoint routes are both disabled by default. The problem has been fixed and is available on versions 1.11.15, 1.12.8, and 1.13.1. As a workaround, disable IPv6 routing.

CVE-2023-27594 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **cilium** - **cilium** version **= < 1.11.15**

Affected Vendor/Software: **cilium** - **cilium** version **= >= 1.12.0, < 1.12.8**

Affected Vendor/Software: **cilium** - **cilium** version **= >= 1.13.0, < 1.13.1**

CVSS3 Score: 7.3 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	LOW	LOW	LOW

CVE References

Description	Tags	Link

Release 1.11.15 · cilium/cilium · GitHub	github.com text/html	MISC github.com/cilium/cilium/releases/tag/v1.11.15
Potential network policy bypass when routing IPv6 traffic · Advisory · cilium/cilium · GitHub	github.com text/html	MISC github.com/cilium/cilium/security/advisories/GHSA-8fg8-jh2h-f2hc
Release 1.13.1 · cilium/cilium · GitHub	github.com text/html	MISC github.com/cilium/cilium/releases/tag/v1.13.1
Release 1.12.8 · cilium/cilium · GitHub	github.com text/html	MISC github.com/cilium/cilium/releases/tag/v1.12.8

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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

cpe:2.3:a:cilium:cilium:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-27594 : Cilium is a networking, observability, and security solution with an eBPF-based dataplane. Prior t… twitter.com/i/web/status/1…	2023-03-17 20:05:26
/r/netcve	CVE-2023-27594	2023-03-17 20:38:48

← Previous ID

Next ID→