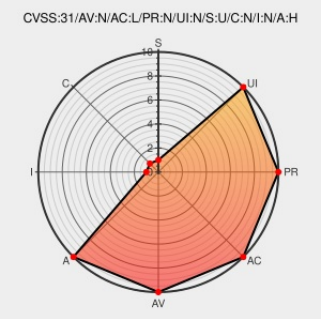
CVE-2019-15226

Published on: 10/09/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:44 PM UTC

CVE-2019-15226

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



Certain versions of Envoy from Envoyproxy contain the following vulnerability:

Upon receiving each incoming request header data, Envoy will iterate over existing request headers to verify that the total size of the headers stays below a maximum limit. The implementation in versions 1.10.0 through 1.11.1 for HTTP/1.x traffic and all versions of Envoy for HTTP/2 traffic had O(n^2) performance characteristics. A remote attacker may craft a request that stays below the maximum request header size but consists of many thousands of small headers to consume CPU and result in a denial-of-service attack.

CVE-2019-15226 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.5 - HIGH

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

CVSS2 Score: 7.8 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
Track bytesize of		MISC

Track byteSize of HeaderMap internally. · envoyproxy/envoy@afc39be · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/envoyproxy/envoy/commit/afc39bea36fd436e54262f150c009e8d72db5
CVE-2019-15226 · Issue #8520 · envoyproxy/envoy · GitHub	Third Party Advisory github.com text/html	MISC github.com/envoyproxy/envoy/issues/8520
Commits · envoyproxy/envoy · GitHub	Third Party Advisory web.archive.org text/html Inactive Link Not Archived	MISC github.com/envoyproxy/envoy/commits/master

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Envoyproxy	Envoy	1.0.0	All	All	All
Application	Envoyproxy	Envoy	1.1.0	All	All	All
Application	Envoyproxy	Envoy	1.10.0	All	All	All
Application	Envoyproxy	Envoy	1.11.0	All	All	All
Application	Envoyproxy	Envoy	1.11.1	All	All	All
Application	Envoyproxy	Envoy	1.11.2	All	All	All
Application	Envoyproxy	Envoy	1.2.0	All	All	All
Application	Envoyproxy	Envoy	1.3.0	All	All	All
Application	Envoyproxy	Envoy	1.4.0	All	All	All
Application	Envoyproxy	Envoy	1.5.0	All	All	All
Application	Envoyproxy	Envoy	1.6.0	All	All	All
Application	Envoyproxy	Envoy	1.7.0	All	All	All
Application	Envoyproxy	Envoy	1.7.1	All	All	All
Application	Envoyproxy	Envoy	1.8.0	All	All	All
Application	Envoyproxy	Envoy	1.9.0	All	All	All
Application	Envoyproxy	Envoy	1.9.1	All	All	All
Application	Envoyproxy	Envoy	1.0.0	All	All	All
Application	Envoyproxy	Envoy	1.1.0	All	All	All
Application	Envoyproxy	Envoy	1.10.0	All	All	All
Application	Envoyproxy	Envoy	1.11.0	All	All	All

Application	Envoyproxy	Envoy	1.11.1	All	All	All
Application	Envoyproxy	Envoy	1.11.2	All	All	All
Application	Envoyproxy	Envoy	1.2.0	All	All	All
Application	Envoyproxy	Envoy	1.3.0	All	All	All
Application	Envoyproxy	Envoy	1.4.0	All	All	All
Application	Envoyproxy	Envoy	1.5.0	All	All	All
Application	Envoyproxy	Envoy	1.6.0	All	All	All
Application	Envoyproxy	Envoy	1.7.0	All	All	All
Application	Envoyproxy	Envoy	1.7.1	All	All	All
Application	Envoyproxy	Envoy	1.8.0	All	All	All
Application	Envoyproxy	Envoy	1.9.0	All	All	All
Application	Envoyproxy	Envoy	1.9.1	All	All	All

cpe:2.3:a:envoyproxy:envoy:1.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.1.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.10.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.11.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.11.1:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.11.2:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.2.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.3.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.4.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.5.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.6.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.7.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.7.1:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.8.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.9.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.9.1:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.1.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.10.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.11.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.11.1:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.11.2:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.2.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.3.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.4.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.5.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.6.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.7.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.7.1:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.8.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.9.0:*:*:*:*:*:*:*:

cpe:2.3:a:envoyproxy:envoy:1.9.1:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→