



CVE-2019-18838

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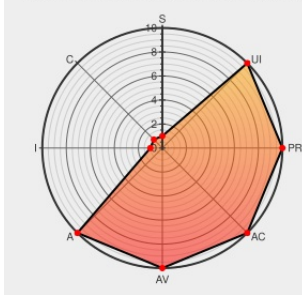
[Source: Mitre](#)

[Source: NIST](#)

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CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



Certain versions of [Envoy](#) from [Envoyproxy](#) contain the following vulnerability:

An issue was discovered in Envoy 1.12.0. Upon receipt of a malformed HTTP request without a Host header, it sends an internally generated "Invalid request" response. This internally generated response is dispatched through the configured encoder filter chain before being sent to the client. An encoder filter that invokes route manager APIs

that access a request's Host header causes a NULL pointer dereference, resulting in abnormal termination of the Envoy process.

CVE-2019-18838 has been assigned by [M](#) 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: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Google Groups		MISC group google.com/forum/#forum/ envoy-users

Google Groups	groups.google.com text/html	MISC groups.google.com/forum/#!forum/envoy-users
DoS via request without the Host header · Advisory · envoyproxy/envoy · GitHub	Exploit Third Party Advisory github.com text/html	CONFIRM github.com/envoyproxy/envoy/security/advisories/GHSA-f2rv-4w6x-rwhc
Commits · envoyproxy/envoy · GitHub	Patch web.archive.org text/html Inactive Link Not Archived	MISC github.com/envoyproxy/envoy/commits/master
Envoy Proxy	Product blog.envoyproxy.io text/html	MISC blog.envoyproxy.io

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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	All	All	All	All
cpe:2.3:a:envoyproxy:envoy:*****:*						

No vendor comments have been submitted for this CVE

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