CVE-2019-9901

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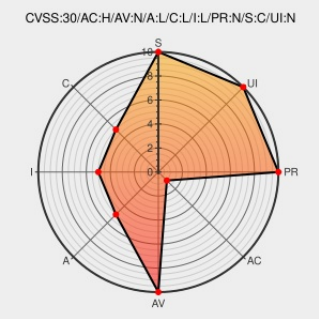

Certain versions of Envoy from Envoyproxy contain the following vulnerability:

Envoy 1.9.0 and before does not normalize HTTP URL paths. A remote attacker may craft a relative path, e.g., something/../admin, to bypass access control, e.g., a block on /admin. A backend server could then interpret the non-normalized path and provide an attacker access beyond the scope provided for by the access control policy.

CVE-2019-9901 has been assigned by cve@mitre.org to track the vulnerability - currently rated as CRITICAL severity.

CVSS3 Score: 10 - CRITICAL

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

CVSS2 Score: 7.5 - HIGH

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

CVE References

Description	Tags	Link
Version history — envoy tag-v1.9.1 documentation	Release Notes Vendor Advisory www.envoyproxy.io	CONFIRM www.envoyproxy.io/docs/envoy/v1.9.1/intro/version_history

	text/html	
Google Groups	Patch Third Party Advisory groups.google.com text/html	CONFIRM groups.google.com/forum/#!topic/envoy-announce/VoHfnDqZiAM
Missing HTTP URL path normalization · Advisory · envoyproxy/envoy · GitHub	github.com text/html	CONFIRM github.com/envoyproxy/envoy/security/advisories/GHSA-xcx5-93pw-jw2w
CVE-2019-9901 · Issue #6435 · envoyproxy/envoy · GitHub	Issue Tracking Mitigation Third Party Advisory github.com text/html	CONFIRM github.com/envoyproxy/envoy/issues/6435

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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