CVE-2021-41186

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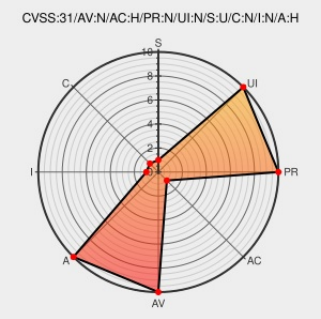
CVE-2021-41186 - advisory for GHSA-hwhf-64mh-r662

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



Certain versions of Fluentd from Fluentd contain the following vulnerability:

Fluentd collects events from various data sources and writes them to files to help unify logging infrastructure. The parser_apache2 plugin in Fluentd v0.14.14 to v1.14.1 suffers from a regular expression denial of service (ReDoS) vulnerability. A broken apache log with a certain pattern of string can spend too much time in a regular expression, resulting in the potential for a DoS attack. This issue is patched in version 1.14.2 There are two workarounds available. Either don't use parser_apache2 for parsing logs (which cannot guarantee generated by Apache), or put patched version of parser_apache2.rb into /etc/fluent/plugin directory (or any other directories specified by the environment variable `FLUENT_PLUGIN` or `--plugin` option of fluentd).

CVE-2021-41186 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **fluent** - **fluentd** version **>= 0.14.14, < 1.14.2**

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
fluentd/CHANGELOG.md at master · fluent/fluentd · GitHub	github.com text/html	MISC github.com/fluent/fluentd/blob/master/CHANGELOG.md#v1142
ReDoS vulnerability in parser_apache2 · Advisory · fluent/fluentd · GitHub	github.com text/html	CONFIRM github.com/fluent/fluentd/security/advisories/GHSA-hwhf-64mh-r662
Page not found · GitHub · GitHub	github.com text/html Inactive Link Not Archived	MISC github.com/github/securitylab-vulnerabilities/blob/52dc4a2a828c6dc24231967c2937ad92038184a9/vendor_reports/2021-102-fluent-fluentd.md

Related QID Numbers

900384 Common Base Linux Mariner (CBL-Mariner) Security Update for rubygem-fluentd (6279)

Known Affected Configurations (CPE V2.3)

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

cpe:2.3:a:fluentd:fluentd:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-41186 : Fluentd collects events from various data sources and writes them to files to help unify logging i… twitter.com/i/web/status/1…	2021-10-29 13:45:14
@LinInfoSec	Fluentd - CVE-2021-41186: github.com/fluent/fluentd…	2021-10-29 16:46:27
@0_exploit	CVE-2021-41186 dlvr.it/SBXnPr	2021-10-29 17:37:04
@threatmeter	CVE-2021-41186 Fluentd collects events from various data sources and writes them to files to help unify logging inf… twitter.com/i/web/status/1…	2021-10-30 07:09:57

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