CVE-2020-9493

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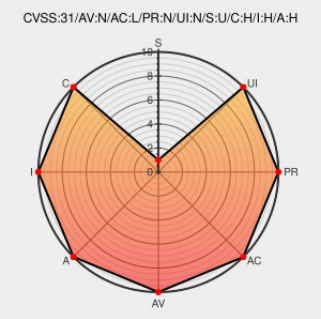
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Chainsaw from Apache contain the following vulnerability:

A deserialization flaw was found in Apache Chainsaw versions prior to 2.1.0 which could lead to malicious code execution.

CVE-2020-9493 has been assigned by security@apache.org to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **Apache Software Foundation** - **Apache Chainsaw** version **< 2.1.0**

Vulnerability Patch/Work Around

Don't configure Chainsaw to read serialized log events. Use a different receiver, such as XMLSocketReceiver

CVSS3 Score: 9.8 - CRITICAL

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

CVSS2 Score: 6.8 - MEDIUM

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

CVE References

Description	Tags	Link
oss-security - CVE-2020-9493: Apache Chainsaw: Java deserialization in Chainsaw	www.openwall.com text/html	MISC www.openwall.com/lists/oss-security/2021/06/16/1
Pony Mail!	lists.apache.org text/html	MLIST [announce] 20210615 CVE-2020-9493: Apache Chainsaw: Java deserialization in Chainsaw
oss-security - CVE-2020-9493: Apache Chainsaw: Java deserialization in Chainsaw	www.openwall.com text/html	MLIST [oss-security] 20210615 CVE-2020-9493: Apache Chainsaw: Java deserialization in Chainsaw
oss-security - CVE-2022-23307: Apache Log4j 1.x: A deserialization flaw in the Chainsaw component of Log4j 1 can lead to malicious code execution.	www.openwall.com text/html	MLIST [oss-security] 20220118 CVE-2022-23307: Apache Log4j 1.x: A deserialization flaw in the Chainsaw component of Log4j 1 can lead to malicious code execution.

Related QID Numbers

730542 Atlassian Confluence Server and Confluence Data Center Log4j Multiple Vulnerabilities (CONFSERVER-78991)

730566 Atlassian Jira Server and Data Center Log4j Vulnerability (JRASERVER-73885)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Chainsaw	All	All	All	All
Application	Apache	Log4j	All	All	All	All
Application	Qos	Reload4j	All	All	All	All

cpe:2.3:a:apache:chainsaw:*:*:*:*:*:*:*:*:

cpe:2.3:a:apache:log4j:*:*:*:*:*:*:*:*:

cpe:2.3:a:qos:reload4j:*:*:*:*:*:*:*:*:

Discovery Credit

This issue was reported by @kingkk

Social Mentions

Source	Title	Posted (UTC)
@oss_security	CVE-2020-9493: Apache Chainsaw: Java deserialization in Chainsaw: Posted by Robert Middleton on Jun 15Reply-to: gen… twitter.com/i/web/status/1…	2021-06-16 05:03:02
@CVEreport	CVE-2020-9493 : A deserialization flaw was found in #Apache Chainsaw versions prior to 2.1.0 which could lead to ma… twitter.com/i/web/status/1…	2021-06-16 07:36:06
/r/netcve	CVE-2020-9493	2021-06-16 08:41:22

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