



CVE-2017-9791

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2017-9791
State	PUBLISHED
Assigner	apache
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-07-10 16:29:00 UTC
Updated	2026-04-21 16:59:33 UTC
Description	The Struts 1 plugin in Apache Struts 2.1.x and 2.3.x might allow remote code execution via a malicious field value passed in

Risk And Classification

Primary CVSS: v3.1 9.8 CRITICAL from nvd@nist.gov

[CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H](#)

EPSS: 0.940770000 probability, percentile 0.999080000 (date 2026-05-16)

CISA KEV: Listed on 2022-02-10; due 2022-08-10; ransomware use Unknown

Problem Types: CWE-20 | Remote Code Execution | CWE-20 CWE-20 Improper Input Validation

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	ADP	DECLARED	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

AV:N/AC:L/Au:N/C:P/I:P/A:P

CISA Known Exploited Vulnerability

Vendor	Apache
Product	Struts 1
Name	Apache Struts 1 Improper Input Validation Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2017-9791

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Struts	2.3.1	All	All	All
Application	Apache	Struts	2.3.1.1	All	All	All
Application	Apache	Struts	2.3.1.2	All	All	All
Application	Apache	Struts	2.3.12	All	All	All
Application	Apache	Struts	2.3.14	All	All	All

Application	Apache	Struts	2.3.14.1	All	All	All
Application	Apache	Struts	2.3.14.2	All	All	All
Application	Apache	Struts	2.3.14.3	All	All	All
Application	Apache	Struts	2.3.15	All	All	All
Application	Apache	Struts	2.3.15.1	All	All	All
Application	Apache	Struts	2.3.15.2	All	All	All
Application	Apache	Struts	2.3.15.3	All	All	All
Application	Apache	Struts	2.3.16	All	All	All
Application	Apache	Struts	2.3.16.1	All	All	All
Application	Apache	Struts	2.3.16.2	All	All	All
Application	Apache	Struts	2.3.16.3	All	All	All
Application	Apache	Struts	2.3.20	All	All	All
Application	Apache	Struts	2.3.20.1	All	All	All
Application	Apache	Struts	2.3.20.3	All	All	All
Application	Apache	Struts	2.3.24	All	All	All
Application	Apache	Struts	2.3.24.1	All	All	All
Application	Apache	Struts	2.3.24.3	All	All	All
Application	Apache	Struts	2.3.28	All	All	All
Application	Apache	Struts	2.3.28.1	All	All	All
Application	Apache	Struts	2.3.29	All	All	All
Application	Apache	Struts	2.3.3	All	All	All
Application	Apache	Struts	2.3.30	All	All	All
Application	Apache	Struts	2.3.31	All	All	All
Application	Apache	Struts	2.3.32	All	All	All
Application	Apache	Struts	2.3.4	All	All	All
Application	Apache	Struts	2.3.4.1	All	All	All
Application	Apache	Struts	2.3.7	All	All	All
Application	Apache	Struts	2.3.8	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Apache Software Foundation	Apache Struts	affected 2.1.x series	Not specified
CNA	Apache Software Foundation	Apache Struts	affected 2.3.x series	Not specified

References

Reference	Source
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Apache Struts CVE-2017-9791 Remote Code Execution Vulnerability	af854a3a-2127-4
Oracle Security Alert CVE-2017-9805	af854a3a-2127-4
Apache Struts 2 - Struts 1 Plugin Showcase OGNL Code Execution (Metasploit) - Multiple remote Exploit	af854a3a-2127-4
www.cisa.gov/known-exploited-vulnerabilities-catalog	134c704f-9b21-4
Apache Struts 2.3.x Showcase - Remote Code Execution - Multiple webapps Exploit	af854a3a-2127-4
S2-048 - Apache Struts 2 Documentation - Apache Software Foundation	af854a3a-2127-4
July 2017 Apache Struts Vulnerabilities in NetApp Products NetApp Product Security	af854a3a-2127-4
Apache Struts Bug in 'Struts 1 Plugin' Lets Remote Users Execute Arbitrary Code on the Target System - SecurityTracker	af854a3a-2127-4
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD
CISA Known Exploited Vulnerabilities catalog	CISA

No vendor comments have been submitted for this CVE.

Additional Advisory Data

Source	Time	Event
ADP	2022-02-10T00:00:00.000Z	CVE-2017-9791 added to CISA KEV

There are currently no legacy QID mappings associated with this CVE.

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