



CVE-2017-5638

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2017-5638
State	PUBLIC
Assigner	security@apache.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-03-11 02:59:00 UTC
Updated	2023-11-07 02:49:00 UTC
Description	The Jakarta Multipart parser in Apache Struts 2 2.3.x before 2.3.32 and 2.5.x before 2.5.10.1 has incorrect exception handling

Risk And Classification

EPSS: 0.942670000 probability, percentile 0.999360000 (date 2026-04-01)

CISA KEV: Listed on 2021-11-03; due 2022-05-03; ransomware use Known

Problem Types: CWE-20

CISA Known Exploited Vulnerability

Vendor	Apache
Product	Struts
Name	Apache Struts Remote Code Execution Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2017-5638

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Struts	2.3.10	All	All	All
Application	Apache	Struts	2.3.11	All	All	All
Application	Apache	Struts	2.3.12	All	All	All
Application	Apache	Struts	2.3.13	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	2.3.17	All	All	All
Application	Apache	Struts	2.3.19	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	2.3.20.2	All	All	All
Application	Apache	Struts	2.3.20.3	All	All	All
Application	Apache	Struts	2.3.21	All	All	All
Application	Apache	Struts	2.3.22	All	All	All
Application	Apache	Struts	2.3.23	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	2.3.24.2	All	All	All
Application	Apache	Struts	2.3.24.3	All	All	All
Application	Apache	Struts	2.3.25	All	All	All
Application	Apache	Struts	2.3.26	All	All	All
Application	Apache	Struts	2.3.27	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	2.3.30	All	All	All
Application	Apache	Struts	2.3.31	All	All	All
Application	Apache	Struts	2.3.5	All	All	All
Application	Apache	Struts	2.3.6	All	All	All
Application	Apache	Struts	2.3.7	All	All	All
Application	Apache	Struts	2.3.8	All	All	All
Application	Apache	Struts	2.3.9	All	All	All
Application	Apache	Struts	2.5	All	All	All

Application	Apache	Struts	2.5.1	All	All	All
Application	Apache	Struts	2.5.10	All	All	All
Application	Apache	Struts	2.5.2	All	All	All
Application	Apache	Struts	2.5.3	All	All	All
Application	Apache	Struts	2.5.4	All	All	All
Application	Apache	Struts	2.5.5	All	All	All
Application	Apache	Struts	2.5.6	All	All	All
Application	Apache	Struts	2.5.7	All	All	All
Application	Apache	Struts	2.5.8	All	All	All
Application	Apache	Struts	2.5.9	All	All	All
Application	Apache	Struts	2.3.10	All	All	All
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Application	Apache	Struts	2.3.12	All	All	All
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Application	Apache	Struts	2.3.16.2	All	All	All
Application	Apache	Struts	2.3.16.3	All	All	All
Application	Apache	Struts	2.3.17	All	All	All
Application	Apache	Struts	2.3.19	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	2.3.20.2	All	All	All
Application	Apache	Struts	2.3.20.3	All	All	All
Application	Apache	Struts	2.3.21	All	All	All
Application	Apache	Struts	2.3.22	All	All	All
Application	Apache	Struts	2.3.23	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	2.3.24.2	All	All	All
Application	Apache	Struts	2.3.24.3	All	All	All
Application	Apache	Struts	2.3.25	All	All	All
Application	Apache	Struts	2.3.26	All	All	All
Application	Apache	Struts	2.3.27	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	2.3.30	All	All	All
Application	Apache	Struts	2.3.31	All	All	All
Application	Apache	Struts	2.3.5	All	All	All
Application	Apache	Struts	2.3.6	All	All	All
Application	Apache	Struts	2.3.7	All	All	All
Application	Apache	Struts	2.3.8	All	All	All
Application	Apache	Struts	2.3.9	All	All	All
Application	Apache	Struts	2.5	All	All	All
Application	Apache	Struts	2.5.1	All	All	All
Application	Apache	Struts	2.5.10	All	All	All
Application	Apache	Struts	2.5.2	All	All	All
Application	Apache	Struts	2.5.3	All	All	All
Application	Apache	Struts	2.5.4	All	All	All
Application	Apache	Struts	2.5.5	All	All	All
Application	Apache	Struts	2.5.6	All	All	All
Application	Apache	Struts	2.5.7	All	All	All
Application	Apache	Struts	2.5.8	All	All	All
Application	Apache	Struts	2.5.9	All	All	All

References

Reference

git1-us-west.apache.org/repos/asf

Apache Struts CVE-2017-5638 Remote Code Execution Vulnerability

S2-046 - Apache Struts 2 Documentation - Apache Software Foundation

Pony Mail!

HPE Support document - HPE Support Center

Vulnerability Note VU#834067 - Apache Struts 2 is vulnerable to remote code execution
Struts2 S2-045 Remote Command Execution ≈ Packet Storm
S2-045 - Apache Struts 2 Documentation - Apache Software Foundation
CVE-2017-5638: Apache Struts 2 Vulnerability Leads to Remote Code Execution - TrendLabs Security Intelligence Blog
CVE-2017-5638 Apache Struts Vulnerability in Multiple NetApp Products NetApp Product Security
git1-us-west.apache.org/repos/asf
Cisco's Talos Intelligence Group Blog: Content-Type: Malicious - New Apache Struts2 0-day Under Attack
Pony Mail!
Critical vulnerability under "massive" attack imperils high-impact sites [Updated] Ars Technica
www.arubanetworks.com/assets/alert/ARUBA-PSA-2017-002.txt
S2-046 - Apache Struts 2 Documentation - Apache Software Foundation
S2-045 - Apache Struts 2 Documentation - Apache Software Foundation
Apache Struts Open Source Framework Remote Code Execution - US
HPE Support document - HPE Support Center
git1-us-west.apache.org/repos/asf
git1-us-west.apache.org/repos/asf
http-vuln-cve2017-5638 NSE Script
HPE Support document - HPE Support Center
Apache Struts Vulnerability Under Attack eWEEK
Pony Mail!
Apache Struts 2.3.5 < 2.3.31 / 2.5 < 2.5.10 - Remote Code Execution
Apache Struts Jakarta Multipart Parser Bug Lets Remote Users Execute Arbitrary Commands on the Target System - SecurityTracker
og150 auf Twitter: "Oh dear lord no..... Surely the 'Guest Self Registration' Cisco ISE portal isn't vulnerable :- #ApacheStruts CVE-2017-5638"
Pony Mail!
InfoSec Handlers Diary Blog - Critical Apache Struts 2 Vulnerability (Patch Now!)
Pony Mail!
Pony Mail!
GitHub - mazen160/struts-pwn: An exploit for Apache Struts CVE-2017-5638
CVE-2017-5638 - Apache Struts2 S2-045 · Issue #8064 · rapid7/metasploit-framework · GitHub
SA145 : Apache Struts 2 RCE Vulnerability
Oracle Critical Patch Update - July 2017
CVE-2017-5638: New Remote Code Execution (RCE) Vulnerability in Apache Struts 2 – Blog Imperva
Apache Struts Jakarta - Multipart Parser OGNL Injection (Metasploit)
CVE Program record
NVD vulnerability detail
CISA Known Exploited Vulnerabilities catalog

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

982310 Java (maven) Security Update for org.apache.struts:struts2-core (GHSA-j77q-2qqg-6989)

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