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GOVERNOR'S OFFICE  
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# CYBER ADVISORY

CALIFORNIA CYBERSECURITY INTEGRATION CENTER



CYBER ADVISORY

**TLP: CLEAR**

20 December 2024

## Apache Struts 2 Remote Code Execution Vulnerability

CVE-2024-54677

Apache Struts

Code Execution

Critical Vulnerabilities

The California Cyber Security Integration Center (Cal-CSIC) has become aware of a critical Apache Struts 2 vulnerability, tracked as CVE-2024-53677<sup>1</sup> (CVSS 3.1 score: 9), that is being actively exploited globally.<sup>2</sup> This vulnerability allows threat actors to upload arbitrary payloads to susceptible instances, which could then be leveraged to run commands, exfiltrate data, or download additional payloads for follow-on exploitation.<sup>3</sup> This vulnerability is similar to CVE-2023-50164, a 2023 Struts 2 upload vulnerability that threat actors began exploiting soon after public proof-of-concept (POC) release.<sup>4</sup>

Cal-CSIC recommends users upgrade to version 6.4.0 and migrate to new file upload mechanism to remediate this vulnerability.

For further information on patching this vulnerability, please refer to:

[S2-067 - Apache Struts 2 Wiki - Apache Software Foundation](#)

### Organization, Source, Reference, and Dissemination Information

#### Organization Description

California Government Code § 8586.5 established the California Cybersecurity Integration Center (Cal-CSIC) as the central organizing hub of state government's cybersecurity activities, including information sharing, intelligence analysis, incident response, and overarching cybersecurity strategy. The Cal-CSIC is responsible for reducing the likelihood and severity of cyber incidents that could damage California's economy, critical infrastructure, and public or private sector networks in our state.

#### Customer Feedback

If you need further information about this issue, contact the Cal-CSIC at our email address [CalCSIC@caloes.ca.gov](mailto:CalCSIC@caloes.ca.gov) or by telephone at (833) REPORT1. To help us identify ways to better assist you, please submit feedback [here](#).

#### Source Summary Statement

This advisory is based on information obtained from trusted sources, such as NIST, the Australian government and reputable cybersecurity news websites.

CAL-CSIC-2024-003

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<sup>1</sup> National Institute of Standards and Technology, "CVE-2024-53677 Detail" <https://nvd.nist.gov/vuln/detail/CVE-2024-53677>: accessed 18 December 2024

<sup>2</sup> Australian Signals Directorate, "Critical Vulnerability in Popular Java Framework Apache Struts 2" <https://www.cyber.gov.au/about-us/view-all-content/alerts-and-advisories/critical-vulnerability-in-popular-java-framework-apache-struts2>: accessed 18 December 2024

<sup>3</sup> The Hacker News, "Patch Alert: Critical Apache Struts Flaw Found, Exploitation Attempts Detected", <https://thehackernews.com/2024/12/patch-alert-critical-apache-struts-flaw.html>: accessed 18 December 2024

<sup>4</sup> The Hacker News, "New Critical RCE Vulnerability Discovered in Apache Struts 2 – Patch Now" <https://thehackernews.com/2023/12/new-critical-rce-vulnerability.html>: accessed 18 December 2024

CAL-CSIC-202312-002

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