



# CYBER ADVISORY

**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

CALIFORNIA CYBERSECURITY INTEGRATION CENTER



CYBER ADVISORY

TLP:CLEAR

12 August 2024

## FreeBSD Vulnerability

CVE-2024-7589

FreeBSD

OpenSSH

High Vulnerability

The California Cybersecurity Integration Center (Cal-CSIC) has become aware of a high vulnerability known as CVE-2024-7589.<sup>1</sup> The vulnerability affects the OpenSSH, an implementation of Secure Shell (SSH) protocol suite, in all supported versions of FreeBSD.<sup>2</sup> Exploitation of the vulnerability may allow an unauthenticated attacker remote code execution (RCR) as root.<sup>3</sup>

The Cal-CSIC recommends applying upgrades or implementing workarounds as soon as possible.

For further information on applying upgrades or workarounds please refer to [FreeBSD](#).

### 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 [calcsic@caloes.ca.gov](mailto:calcsic@caloes.ca.gov).

#### Source Summary Statement

This report was compiled from a variety of sources, predominately open-source reporting.

CAL-CSIC-202408-002

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### Handling Caveats

**Traffic Light Protocol (TLP):** Recipients may share TLP:CLEAR information with the world; there is no limit on disclosure. Subject to standard copyright rules, TLP:CLEAR information may be shared without restriction.

### Information Needs

HSEC 1.1; HSEC 1.2; HSEC 1.5; HSEC 1.8; HSEC 1.10; STAC KIQ 1.1; KIQ 1.2; KIQ 1.3; KIQ 1.4; KIQ 1.5

<sup>1</sup> Security Affairs; “FreeBSD Project maintainers addressed a high-severity flaw in OpenSSH that could allow remote code execution with elevated privileges.”

<https://securityaffairs.com/166941/security/freebsd-openssh-flaw.html>; accessed 12 August 2024

<sup>2</sup> The Hacker News; “FreeBSD Releases Urgent Patch for High-Severity OpenSSH Vulnerability” <https://thehackernews.com/2024/08/freebsd-releases-urgent-patch-for-high.html>; accessed 12 August 2024

<sup>3</sup> CVE.ORG; “CVE-2024-7589” <https://www.cve.org/CVERecord?id=CVE-2024-7589>; accessed 12 August 2024

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