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# About the security content of macOS Sonoma 14.7.7

This document describes the security content of macOS Sonoma 14.7.7.

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Apple security documents reference vulnerabilities by [CVE-ID](#) when possible.

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## macOS Sonoma 14.7.7

Released July 29, 2025

### Admin Framework

Available for: macOS Sonoma

Impact: An app may be able to cause a denial-of-service

Description: A path handling issue was addressed with improved validation.

CVE-2025-43191: Ryan Dowd (@\_rdowd)

### afclip

Available for: macOS Sonoma

Impact: Parsing a file may lead to an unexpected app termination

Description: The issue was addressed with improved memory handling.

CVE-2025-43186: Hossein Lotfi (@hosselot) of Trend Micro Zero Day Initiative

### AMD

Available for: macOS Sonoma

Impact: An app may be able to cause unexpected system termination

Description: A race condition was addressed with improved state handling.

CVE-2025-43244: ABC Research s.r.o.

## AppleMobileFileIntegrity

Available for: macOS Sonoma

Impact: An app may be able to gain root privileges

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-31243: Mickey Jin (@patch1t)

## AppleMobileFileIntegrity

Available for: macOS Sonoma

Impact: A malicious app may be able to launch arbitrary binaries on a trusted device

Description: This issue was addressed with improved input validation.

CVE-2025-43253: Noah Gregory (wts.dev)

## AppleMobileFileIntegrity

Available for: macOS Sonoma

Impact: An app may be able to gain root privileges

Description: A logic issue was addressed with improved checks.

CVE-2025-43249: Mickey Jin (@patch1t)

## AppleMobileFileIntegrity

Available for: macOS Sonoma

Impact: A malicious app may be able to gain root privileges

Description: A logic issue was addressed with improved restrictions.

CVE-2025-43248: Mickey Jin (@patch1t)

## AppleMobileFileIntegrity

Available for: macOS Sonoma

Impact: An app may be able to access protected user data

Description: A downgrade issue was addressed with additional code-signing restrictions.

CVE-2025-43245: Mickey Jin (@patch1t)

## CFNetwork

Available for: macOS Sonoma

Impact: An attacker may be able to cause unexpected app termination

Description: A use-after-free issue was addressed by removing the vulnerable code.

CVE-2025-43222: Andreas Jaegersberger & Ro Achterberg of Nosebeard Labs

## CFNetwork

Available for: macOS Sonoma

Impact: A non-privileged user may be able to modify restricted network settings

Description: A denial-of-service issue was addressed with improved input validation.

CVE-2025-43223: Andreas Jaegersberger & Ro Achterberg of Nosebeard Labs

## copyfile

Available for: macOS Sonoma

Impact: An app may be able to access protected user data

Description: This issue was addressed with improved validation of symlinks.

CVE-2025-43220: Mickey Jin (@patch1t)

## CoreMedia

Available for: macOS Sonoma

Impact: Processing a maliciously crafted media file may lead to unexpected app termination or corrupt process memory

Description: An out-of-bounds access issue was addressed with improved bounds checking.

CVE-2025-43210: Hossein Lotfi (@hosselot) of Trend Micro Zero Day Initiative

## CoreServices

Available for: macOS Sonoma

Impact: A malicious app may be able to gain root privileges

Description: A permissions issue was addressed by removing the vulnerable code.

CVE-2025-43199: an anonymous researcher, Gergely Kalman (@gergely\_kalman)

## CoreServices

Available for: macOS Sonoma

Impact: An app may be able to access sensitive user data

Description: An issue existed in the handling of environment variables. This issue was addressed with improved validation.

CVE-2025-43195: 风沐云烟 (@binary\_fmyy) and Minghao Lin (@Y1nKoc)

## CoreServices

Available for: macOS Sonoma

Impact: An app may be able to access sensitive user data

Description: A logic issue was addressed with improved restrictions.

CVE-2025-43313: 风沐云烟@binary\_fmyy

Entry added October 15, 2025

## Disk Images

Available for: macOS Sonoma

Impact: Running an hdiutil command may unexpectedly execute arbitrary code

Description: This issue was addressed by removing the vulnerable code.

CVE-2025-43187: 风沐云烟 (@binary\_fmyy) and Minghao Lin (@Y1nKoc)

## Dock

Available for: macOS Sonoma

Impact: An app may be able to access protected user data

Description: This issue was addressed by removing the vulnerable code.

CVE-2025-43198: Mickey Jin (@patch1t)

## file

Available for: macOS Sonoma

Impact: Processing a maliciously crafted file may lead to unexpected app termination

Description: An out-of-bounds read was addressed with improved input validation.

CVE-2025-43254: 2ourc3 | Salim Largo

## File Bookmark

Available for: macOS Sonoma

Impact: An app may be able to break out of its sandbox

Description: A logic issue was addressed with improved checks.

CVE-2025-43261: an anonymous researcher

## Find My

Available for: macOS Sonoma

Impact: An app may be able to fingerprint the user

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-31279: Dawuge of Shuffle Team

## Finder

Available for: macOS Sonoma

Impact: An app may be able to execute arbitrary code out of its sandbox or with certain elevated privileges

Description: This issue was addressed through improved state management.

CVE-2025-24119: an anonymous researcher

## GPU Drivers

Available for: macOS Sonoma

Impact: An app may be able to cause unexpected system termination

Description: An out-of-bounds read was addressed with improved bounds checking.

CVE-2025-43255: Anonymous working with Trend Micro Zero Day Initiative

CVE-2025-43284: Anonymous working with Trend Micro Zero Day Initiative

Entry updated August 28, 2025

## ICU

Available for: macOS Sonoma

Impact: Processing maliciously crafted web content may lead to an unexpected Safari crash

Description: An out-of-bounds access issue was addressed with improved bounds checking.

CVE-2025-43209: Gary Kwong working with Trend Micro Zero Day Initiative

## ImageIO

Available for: macOS Sonoma

Impact: Processing a maliciously crafted image may result in disclosure of process memory

Description: An out-of-bounds read was addressed with improved input validation.

CVE-2025-43226

## Kernel

Available for: macOS Sonoma

Impact: An app may be able to cause unexpected system termination

Description: A double free issue was addressed with improved memory management.

CVE-2025-43282: Christian Kohlschütter

Entry added October 15, 2025

## LaunchServices

Available for: macOS Sonoma

Impact: An app may be able to execute arbitrary code out of its sandbox or with certain elevated privileges

Description: This issue was addressed through improved state management.

CVE-2025-24119: an anonymous researcher

## libxpc

Available for: macOS Sonoma

Impact: An app may be able to gain root privileges

Description: A path handling issue was addressed with improved validation.

CVE-2025-43196: an anonymous researcher

## libxslt

Available for: macOS Sonoma

Impact: Processing maliciously crafted web content may lead to memory corruption

Description: This is a vulnerability in open source code and Apple Software is among the affected projects. The CVE-ID was assigned by a third party. Learn more about the issue and CVE-ID at [cve.org](https://cve.org).

CVE-2025-7424: Ivan Fratric of Google Project Zero

## Managed Configuration

Available for: macOS Sonoma

Impact: Account-driven User Enrollment may still be possible with Lockdown Mode turned on

Description: A configuration issue was addressed with additional restrictions.

CVE-2025-43192: Pyrophoria

## NetAuth

Available for: macOS Sonoma

Impact: An app may be able to break out of its sandbox

Description: A race condition was addressed with additional validation.

CVE-2025-43275: Csaba Fitzl (@theevilbit) of Kandji

## Notes

Available for: macOS Sonoma

Impact: An app may gain unauthorized access to Local Network

Description: An access issue was addressed with additional sandbox restrictions.

CVE-2025-43270: Minghao Lin and Jiaxun Zhu

Entry updated October 15, 2025

## Notes

Available for: macOS Sonoma

Impact: An app may be able to access sensitive user data

Description: A logging issue was addressed with improved data redaction.

CVE-2025-43225: Kirin (@Pwnrin)

## NSSpellChecker

Available for: macOS Sonoma

Impact: An app may be able to break out of its sandbox

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-43266: Noah Gregory (wts.dev)

## PackageKit

Available for: macOS Sonoma

Impact: An app may be able to hijack entitlements granted to other privileged apps

Description: This issue was addressed with improved data protection.

CVE-2025-43260: Zhongquan Li (@Guluisacat)

## PackageKit

Available for: macOS Sonoma

Impact: A malicious app with root privileges may be able to modify the contents of system files

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-43247: Mickey Jin (@patch1t)

## PackageKit

Available for: macOS Sonoma

Impact: An app may be able to modify protected parts of the file system

Description: The issue was addressed with improved checks.

CVE-2025-43194: Mickey Jin (@patch1t)

## PackageKit

Available for: macOS Sonoma

Impact: An app may be able to bypass certain Privacy preferences

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-43232: Koh M. Nakagawa (@tsunek0h), Csaba Fitzl (@theevilbit) of Kandji and Gergely Kalman (@gergely\_kalman)

## Power Management

Available for: macOS Sonoma

Impact: An attacker may be able to cause unexpected app termination

Description: A type confusion issue was addressed with improved memory handling.

CVE-2025-43236: Dawuge of Shuffle Team

## SceneKit

Available for: macOS Sonoma

Impact: An app may be able to read files outside of its sandbox

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-43241: Mickey Jin (@patch1t)

## Security

Available for: macOS Sonoma

Impact: A malicious app acting as a HTTPS proxy could get access to sensitive user data

Description: This issue was addressed with improved access restrictions.

CVE-2025-43233: Wojciech Regula of SecuRing (wojciechregula.blog)

## SecurityAgent

Available for: macOS Sonoma

Impact: An app may be able to cause a denial-of-service

Description: The issue was addressed with improved memory handling.

CVE-2025-43193: Dawuge of Shuffle Team

## SharedFileList

Available for: macOS Sonoma

Impact: An app may be able to break out of its sandbox

Description: A path handling issue was addressed with improved validation.

CVE-2025-43250: Yuebin Sun (@yuebinsun2020), Mickey Jin (@patch1t)

## Shortcuts

Available for: macOS Sonoma

Impact: A shortcut may be able to bypass sensitive Shortcuts app settings

Description: This issue was addressed by adding an additional prompt for user consent.

CVE-2025-43184: Csaba Fitzl (@theevilbit) of Kandji

## Single Sign-On

Available for: macOS Sonoma

Impact: An app may be able to access sensitive user data

Description: This issue was addressed with additional entitlement checks.

CVE-2025-43197: Shang-De Jiang and Kazma Ye of CyCraft Technology

## sips

Available for: macOS Sonoma

Impact: Processing a maliciously crafted file may lead to unexpected app termination

Description: An out-of-bounds access issue was addressed with improved bounds checking.

CVE-2025-43239: Nikolai Skliarenko of Trend Micro Zero Day Initiative

## Software Update

Available for: macOS Sonoma

Impact: An app may be able to modify protected parts of the file system

Description: A permissions issue was addressed with additional restrictions.

CVE-2025-43243: Mickey Jin (@patch1t), Keith Yeo (@kyeojy) from Team Orca of Sea Security

## Spotlight

Available for: macOS Sonoma

Impact: An app may be able to access sensitive user data

Description: This issue was addressed with improved checks.

CVE-2025-43246: Mickey Jin (@patch1t)

## StorageKit

Available for: macOS Sonoma

Impact: An app may be able to gain root privileges

Description: This issue was addressed through improved state management.

CVE-2025-43256: an anonymous researcher

## System Settings

Available for: macOS Sonoma

Impact: An app may be able to access protected user data

Description: A parsing issue in the handling of directory paths was addressed with improved path validation.

CVE-2025-43206: Zhongquan Li (@Guluisacat)

## WebContentFilter

Available for: macOS Sonoma

Impact: A malicious app may be able to read kernel memory

Description: This issue was addressed with improved memory handling.

CVE-2025-43189: an anonymous researcher

## WindowServer

Available for: macOS Sonoma

Impact: An attacker with physical access to a locked device may be able to view sensitive user information

Description: This issue was addressed with improved redaction of sensitive information.

CVE-2025-43259: Martti Hütt

## Xsan

Available for: macOS Sonoma

Impact: An app may be able to cause unexpected system termination

Description: An integer overflow was addressed with improved input validation.

CVE-2025-43238: an anonymous researcher

## Additional recognition

### CoreAudio

We would like to acknowledge @zlluny, Noah Weinberg for their assistance.

### Device Management

We would like to acknowledge Al Karak for their assistance.

### Game Center

We would like to acknowledge YingQi Shi (@Mas0nShi) of DBAppSecurity's WeBin lab for their assistance.

### libxslt

We would like to acknowledge Ivan Fratric of Google Project Zero for their assistance.

### Shortcuts

We would like to acknowledge Chi Yuan Chang of ZUSO ART and taikosoup, and Dennis Kniep for their assistance.

### WebDAV

We would like to acknowledge Christian Kohlschütter for their assistance.

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Helpful?

Yes

No

