

About the security content of macOS Ventura 13.7.7

This document describes the security content of macOS Ventura 13.7.7.

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macOS Ventura 13.7.7

Released July 29, 2025

Admin Framework

Available for: macOS Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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_fmmy) and Minghao Lin (@Y1nKoc)

Core Services

Available for: macOS Ventura

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: Gergely Kalman (@gergely_kalman), an anonymous researcher

CoreServices

Available for: macOS Ventura

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_fmmy

Entry added October 15, 2025

Disk Images

Available for: macOS Ventura

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_fmmy) and Minghao Lin (@Y1nKoc)

file

Available for: macOS Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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

Kernel

Available for: macOS Ventura

Impact: A remote attacker may be able to cause unexpected system termination

Description: The issue was addressed with improved checks.

CVE-2025-24224: Tony Iskow (@Tybbow)

Kernel

Available for: macOS Ventura

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 Ventura

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 Ventura

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

NetAuth

Available for: macOS Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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 Ventura

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

System Settings

Available for: macOS Ventura

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)

WindowServer

Available for: macOS Ventura

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 Ventura

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

Device Management

We would like to acknowledge Al Karak for their assistance.

Game Center

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

Shortcuts

We would like to acknowledge Dennis Kniep for their assistance.


WebDAV

We would like to acknowledge Christian Kohlschütter for their assistance.

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