

# About the security content of macOS Tahoe 26.4

This document describes the security content of macOS Tahoe 26.4.

## About Apple security updates

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## macOS Tahoe 26.4

Released March 24, 2026

### 802.1X

Available for: macOS Tahoe

Impact: An attacker in a privileged network position may be able to intercept network traffic

Description: An authentication issue was addressed with improved state management.

CVE-2026-28865: Héloïse Gollier and Mathy Vanhoef (KU Leuven)

### Accounts

Available for: macOS Tahoe

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

Description: An authorization issue was addressed with improved state management.

CVE-2026-28877: Rosyna Keller of Totally Not Malicious Software

### Admin Framework

Available for: macOS Tahoe

Impact: An app with root privileges may be able to delete protected system files

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

CVE-2026-28823: Ryan Dowd (@\_rdowd)

### apache

Available for: macOS Tahoe

Impact: Multiple issues in Apache

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-2025-55753

CVE-2025-58098

CVE-2025-59775

CVE-2025-65082

CVE-2025-66200

## AppleMobileFileIntegrity

Available for: macOS Tahoe

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

Description: An authorization issue was addressed with improved state management.

CVE-2026-28824: Mickey Jin (@patch1t)

## AppleMobileFileIntegrity

Available for: macOS Tahoe

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

Description: A downgrade issue affecting Intel-based Mac computers was addressed with additional code-signing restrictions.

CVE-2026-20699: Mickey Jin (@patch1t)

## AppleScript

Available for: macOS Tahoe

Impact: An app may bypass Gatekeeper checks

Description: A permissions issue was addressed with additional restrictions.

CVE-2026-20684: Koh M. Nakagawa (@tsunek0h) of FFRI Security, Inc.

## Archive Utility

Available for: macOS Tahoe

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

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

CVE-2026-20633: Mickey Jin (@patch1t)

## Audio

Available for: macOS Tahoe

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

Description: A use-after-free issue was addressed with improved memory management.

CVE-2026-28879: Justin Cohen of Google

## Audio

Available for: macOS Tahoe

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

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

CVE-2026-28822: Jex Amro

## Calling Framework

Available for: macOS Tahoe

Impact: A remote attacker may be able to cause a denial-of-service

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

CVE-2026-28894: an anonymous researcher

## Clipboard

Available for: macOS Tahoe

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

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

CVE-2026-28866: Cristian Dinca (icmd.tech)

## CoreMedia

Available for: macOS Tahoe

Impact: Processing an audio stream in a maliciously crafted media file may terminate the process

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

CVE-2026-20690: Hossein Lotfi (@hosselot) of Trend Micro Zero Day Initiative

## CoreServices

Available for: macOS Tahoe

Impact: An app may be able to gain elevated privileges

Description: A validation issue existed in the entitlement verification. This issue was addressed with improved validation of the process entitlement.

CVE-2026-28821: YingQi Shi (@MasOnShi) of DBAppSecurity's WeBin lab

## CoreServices

Available for: macOS Tahoe

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

Description: A permissions issue was addressed with additional sandbox restrictions.

CVE-2026-28838: an anonymous researcher

## CoreUtils

Available for: macOS Tahoe

Impact: A user in a privileged network position may be able to cause a denial-of-service

Description: A null pointer dereference was addressed with improved input validation.

CVE-2026-28886: Etienne Charron (Renault) and Victoria Martini (Renault)

## Crash Reporter

Available for: macOS Tahoe

Impact: An app may be able to enumerate a user's installed apps

Description: A privacy issue was addressed by removing sensitive data.

CVE-2026-28878: Zhongcheng Li from IES Red Team

## CUPS

Available for: macOS Tahoe

Impact: An app may be able to gain root privileges

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

CVE-2026-28888: Andreas Jaegersberger & Ro Achterberg of Nosebeard Labs

## CUPS

Available for: macOS Tahoe

Impact: A document may be written to a temporary file when using print preview

Description: A privacy issue was addressed with improved handling of temporary files.

CVE-2026-28893: Asaf Cohen

## curl

Available for: macOS Tahoe

Impact: An issue existed in curl which may result in unintentionally sending sensitive information via an incorrect connection

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-2025-14524

## DeviceLink

Available for: macOS Tahoe

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

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

CVE-2026-28876: Andreas Jaegersberger & Ro Achterberg of Nosebeard Labs

## Diagnostics

Available for: macOS Tahoe

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

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

CVE-2026-28892: 风沐云烟 (@binary\_fmyy) and Minghao Lin (@Y1nKoc)

## File System

Available for: macOS Tahoe

Impact: An app may be able to disclose kernel memory

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

CVE-2026-28832: DARKNAVY (@DarkNavyOrg)

## GeoServices

Available for: macOS Tahoe

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

Description: An information leakage was addressed with additional validation.

CVE-2026-28870: XiguaSec

## GPU Drivers

Available for: macOS Tahoe

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

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

CVE-2026-28834: an anonymous researcher

## iCloud

Available for: macOS Tahoe

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

Description: A privacy issue was addressed by moving sensitive data.

CVE-2026-28881: Ye Zhang of Baidu Security, Ryan Dowd (@\_rdowd), Csaba Fitzl (@theevilbit) of Iru

## iCloud

Available for: macOS Tahoe

Impact: An app may be able to enumerate a user's installed apps

Description: A permissions issue was addressed with additional restrictions.

CVE-2026-28880: Zhongcheng Li from IES Red Team

CVE-2026-28833: Zhongcheng Li from IES Red Team

## ImageIO

Available for: macOS Tahoe

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

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-2025-64505

## IOGraphics

Available for: macOS Tahoe

Impact: A buffer overflow may result in memory corruption and unexpected app termination

Description: The issue was addressed with improved bounds checks.

CVE-2026-28842: Joseph Ravichandran (@0xjprx) of MIT CSAIL

## IOGraphics

Available for: macOS Tahoe

Impact: A buffer overflow may result in memory corruption and unexpected app termination

Description: A buffer overflow was addressed with improved size validation.

CVE-2026-28841: Joseph Ravichandran (@0xjprx) of MIT CSAIL

## Kernel

Available for: macOS Tahoe

Impact: An app may be able to disclose kernel memory

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

CVE-2026-28868: 이동하 (Lee Dong Ha of BoB 0xB6)

## Kernel

Available for: macOS Tahoe

Impact: An app may be able to leak sensitive kernel state

Description: This issue was addressed with improved authentication.

CVE-2026-28867: Jian Lee (@speedyfriend433)

## Kernel

Available for: macOS Tahoe

Impact: An app may be able to cause unexpected system termination or corrupt kernel memory

Description: The issue was addressed with improved memory handling.

CVE-2026-20698: DARKNAVY (@DarkNavyOrg)

## Kernel

Available for: macOS Tahoe

Impact: An app may be able to determine kernel memory layout

Description: An information disclosure issue was addressed with improved memory management.

CVE-2026-20695: 이동하 (Lee Dong Ha of BoB 0xB6) working with TrendAI Zero Day Initiative, hari shanmugam

## Kernel

Available for: macOS Tahoe

Impact: An app may be able to cause unexpected system termination or write kernel memory

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

CVE-2026-20687: Johnny Franks (@zeroxjf)

## LaunchServices

Available for: macOS Tahoe

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

Description: An authorization issue was addressed with improved state management.

CVE-2026-28845: Yuebin Sun (@yuebinsun2020), an anonymous researcher, Nathaniel Oh (@calysteon), Kirin (@Pwnrin), Wojciech Regula of SecuRing (wojciechregula.blog), Joshua Jewett (@JoshJewett33), an anonymous researcher

## libxpc

Available for: macOS Tahoe

Impact: An app may be able to enumerate a user's installed apps

Description: This issue was addressed with improved checks.

CVE-2026-28882: Ilias Morad (A2nkF) of Voynich Group, Duy Trần (@khanhduytran0), @hugeBlack

## libxpc

Available for: macOS Tahoe

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

Description: A permissions issue was addressed with additional restrictions.

CVE-2026-20607: an anonymous researcher

## Mail

Available for: macOS Tahoe

Impact: "Hide IP Address" and "Block All Remote Content" may not apply to all mail content

Description: A privacy issue was addressed with improved handling of user preferences.

CVE-2026-20692: Andreas Jaegersberger & Ro Achterberg of Nosebeard Labs

## MigrationKit

Available for: macOS Tahoe

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

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

CVE-2026-20694: Rodolphe Brunetti (@eisw0lf) of Lupus Nova

## Music

Available for: macOS Tahoe

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

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

CVE-2026-20632: Rodolphe Brunetti (@eisw0lf) of Lupus Nova

## NetAuth

Available for: macOS Tahoe

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

Description: The issue was addressed with improved checks.

CVE-2026-28839: Mickey Jin (@patch1t)

## NetAuth

Available for: macOS Tahoe

Impact: An app may be able to connect to a network share without user consent

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

CVE-2026-20701: Matej Moravec (@MacejkoMoravec)

## NetAuth

Available for: macOS Tahoe

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

Description: A race condition was addressed with additional validation.

CVE-2026-28891: an anonymous researcher

## NetFSFramework

Available for: macOS Tahoe

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

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

CVE-2026-28827: Csaba Fitzl (@theevilbit) of Iru, an anonymous researcher

## Notes

Available for: macOS Tahoe

Impact: An app may be able to delete files for which it does not have permission

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

CVE-2026-28816: Dawuge of Shuffle Team and Hunan University

## NSColorPanel

Available for: macOS Tahoe

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

Description: A logic issue was addressed with improved restrictions.

CVE-2026-28826: an anonymous researcher

## PackageKit

Available for: macOS Tahoe

Impact: A user may be able to elevate privileges

Description: A logic issue was addressed with improved checks.

CVE-2026-20631: Gergely Kalman (@gergely\_kalman)

## PackageKit

Available for: macOS Tahoe

Impact: An attacker with root privileges may be able to delete protected system files

Description: This issue was addressed through improved state management.

CVE-2026-20693: Mickey Jin (@patch1t)

## Phone

Available for: macOS Tahoe

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

Description: A privacy issue was addressed with improved private data redaction for log entries.

CVE-2026-28862: Kun Peek (@SwayZG1tZyyy)

## Printing

Available for: macOS Tahoe

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

Description: An authorization issue was addressed with improved state management.

CVE-2026-28831: an anonymous researcher

## Printing

Available for: macOS Tahoe

Impact: A sandboxed process may be able to circumvent sandbox restrictions

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

CVE-2026-28817: Gyujeong Jin (@G1uN4sh) at Team.0xb6

## Printing

Available for: macOS Tahoe

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

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

CVE-2026-20688: wdszml and Atuin Automated Vulnerability Discovery Engine

## Security

Available for: macOS Tahoe

Impact: A local attacker may gain access to user's Keychain items

Description: This issue was addressed with improved permissions checking.

CVE-2026-28864: Alex Radocea

## SMB

Available for: macOS Tahoe

Impact: Mounting a maliciously crafted SMB network share may lead to system termination

Description: A use-after-free issue was addressed with improved memory management.

CVE-2026-28835: Christian Kohlschütter

## SMB

Available for: macOS Tahoe

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

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

CVE-2026-28825: Sreejith Krishnan R

## Spotlight

Available for: macOS Tahoe

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

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

CVE-2026-28818: @pixiepointsec

## Spotlight

Available for: macOS Tahoe

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

Description: A permissions issue was addressed with additional restrictions.

CVE-2026-20697: @pixiepointsec

## StorageKit

Available for: macOS Tahoe

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

Description: This issue was addressed with improved checks.

CVE-2026-28820: Mickey Jin (@patch1t)

## System Settings

Available for: macOS Tahoe

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

Description: A logic issue was addressed with improved checks.

CVE-2026-28837: Luke Roberts (@rookuu)

## SystemMigration

Available for: macOS Tahoe

Impact: An attacker may gain access to protected parts of the file system

Description: A file access issue was addressed with improved input validation.

CVE-2026-28844: Pedro Tôrres (@t0rr3sp3dr0)

## TCC

Available for: macOS Tahoe

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

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

CVE-2026-28828: Mickey Jin (@patch1t)

## UIFoundation

Available for: macOS Tahoe

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

Description: A stack overflow was addressed with improved input validation.

CVE-2026-28852: Caspian Tarafdar

## WebDAV

Available for: macOS Tahoe

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

Description: A permissions issue was addressed with additional restrictions.

CVE-2026-28829: Sreejith Krishnan R

## WebKit

Available for: macOS Tahoe

Impact: Processing maliciously crafted web content may prevent Content Security Policy from being enforced

Description: This issue was addressed through improved state management.

WebKit Bugzilla: 304951

CVE-2026-20665: webb

## WebKit

Available for: macOS Tahoe

Impact: Processing maliciously crafted web content may bypass Same Origin Policy

Description: A cross-origin issue in the Navigation API was addressed with improved input validation.

WebKit Bugzilla: 306050

CVE-2026-20643: Thomas Espach

## WebKit

Available for: macOS Tahoe

Impact: Visiting a maliciously crafted website may lead to a cross-site scripting attack

Description: A logic issue was addressed with improved checks.

WebKit Bugzilla: 305859

CVE-2026-28871: @hamayanhamayan

## WebKit

Available for: macOS Tahoe

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

Description: The issue was addressed with improved memory handling.

WebKit Bugzilla: 306136

CVE-2026-20664: Daniel Rhea, Söhnke Benedikt Fishedick (Tripton), Emrovsky & Switch, Yevhen Pervushyn

WebKit Bugzilla: 307723

CVE-2026-28857: Narcis Oliveras Fontàs, Söhnke Benedikt Fishedick (Tripton), Daniel Rhea, Nathaniel Oh (@calysteon)

## WebKit

Available for: macOS Tahoe

Impact: A malicious website may be able to access script message handlers intended for other origins

Description: A logic issue was addressed with improved state management.

WebKit Bugzilla: 307014

CVE-2026-28861: Hongze Wu and Shuaike Dong from Ant Group Infrastructure Security Team

## WebKit

Available for: macOS Tahoe

Impact: A malicious website may be able to process restricted web content outside the sandbox

Description: The issue was addressed with improved memory handling.

WebKit Bugzilla: 308248

CVE-2026-28859: greenbynox, Arni Hardarson

## WebKit Sandboxing

Available for: macOS Tahoe

Impact: A maliciously crafted webpage may be able to fingerprint the user

Description: An authorization issue was addressed with improved state management.

WebKit Bugzilla: 306827

CVE-2026-20691: Gongyu Ma (@Mezone0)

## Additional recognition

### Accessibility

We would like to acknowledge Jacob Prezant (prezant.us) for their assistance.

### Admin Framework

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## AirPort

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## Bluetooth

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## Captive Network

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## CipherML

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## CloudAttestation

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## Core Bluetooth

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## CoreServices

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## CoreUI

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## Disk Images

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## Find My

We would like to acknowledge Salemdomain for their assistance.

## GPU Drivers

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## ICU

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## ImageKit

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We would like to acknowledge Jian Lee (@speedyfriend433) for their assistance.

## Kernel

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## libc

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## mDNSResponder

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## Messages

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## MobileInstallation

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## Music

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## Notes

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## NSOpenPanel

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## ppp

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## Quick Look

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## Safari

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## Sandbox

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## Shortcuts

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## Siri

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## Spotlight

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## System Settings

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## Time Zone

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## UIKit

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## Wallet

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## Web Extensions

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## WebKit

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## Wi-Fi

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## Wi-Fi Connectivity

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## Widgets

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## zsh

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Helpful?

Yes

No

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