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# About the security content of visionOS 2.6

This document describes the security content of visionOS 2.6.

## About Apple security updates

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

For more information about security, see the [Apple Product Security](#) page.

## visionOS 2.6

Released July 29, 2025

### afclip

Available for: Apple Vision Pro

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

### CFNetwork

Available for: Apple Vision Pro

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

### CoreAudio

Available for: Apple Vision Pro

Impact: Processing a maliciously crafted audio file may lead to memory corruption

Description: The issue was addressed with improved memory handling.

CVE-2025-43277: Google's Threat Analysis Group

## CoreMedia

Available for: Apple Vision Pro

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

## CoreMedia Playback

Available for: Apple Vision Pro

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

Description: The issue was addressed with additional permissions checks.

CVE-2025-43230: Chi Yuan Chang of ZUSO ART and taikosoup

## ICU

Available for: Apple Vision Pro

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: Apple Vision Pro

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: Apple Vision Pro

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

## libxml2

Available for: Apple Vision Pro

Impact: Processing a file 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-2025-7425: Sergei Glazunov of Google Project Zero

## libxslt

Available for: Apple Vision Pro

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

## Metal

Available for: Apple Vision Pro

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

Description: Multiple memory corruption issues were addressed with improved input validation.

CVE-2025-43234: Vlad Stolyarov of Google's Threat Analysis Group

## Model I/O

Available for: Apple Vision Pro

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-2025-43224: Michael DePlante (@izobashi) of Trend Micro Zero Day Initiative

CVE-2025-43221: Michael DePlante (@izobashi) of Trend Micro Zero Day Initiative

## Model I/O

Available for: Apple Vision Pro

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

Description: An input validation issue was addressed with improved memory handling.

CVE-2025-31281: Michael DePlante (@izobashi) of Trend Micro Zero Day Initiative

## SQLite

Available for: Apple Vision Pro

Impact: Processing a file 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-2025-6965

Entry added October 15, 2025

## WebKit

Available for: Apple Vision Pro

Impact: Processing maliciously crafted web content may disclose sensitive user information

Description: This issue was addressed through improved state management.

WebKit Bugzilla: 292888

CVE-2025-43227: Gilad Moav, Yehuda Afek, Anat Bremler-Barr, and Amit Klein

Entry updated October 15, 2025

## WebKit

Available for: Apple Vision Pro

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

Description: The issue was addressed with improved memory handling.

WebKit Bugzilla: 291742

CVE-2025-31278: Yuhao Hu, Yan Kang, Chenggang Wu, and Xiaojie Wei

WebKit Bugzilla: 291745

CVE-2025-31277: Yuhao Hu, Yan Kang, Chenggang Wu, and Xiaojie Wei

WebKit Bugzilla: 293579

CVE-2025-31273: Yuhao Hu, Yan Kang, Chenggang Wu, and Xiaojie Wei

## WebKit

Available for: Apple Vision Pro

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

Description: The issue was addressed with improved memory handling.

WebKit Bugzilla: 292599

CVE-2025-43214: shandikri working with Trend Micro Zero Day Initiative, Google V8 Security Team

WebKit Bugzilla: 292621

CVE-2025-43213: Google V8 Security Team

WebKit Bugzilla: 293197

CVE-2025-43212: Nan Wang (@eternalsakura13) and Ziling Chen

## WebKit

Available for: Apple Vision Pro

Impact: Processing web content may lead to a denial-of-service

Description: The issue was addressed with improved memory handling.

WebKit Bugzilla: 293730

CVE-2025-43211: Yuhao Hu, Yan Kang, Chenggang Wu, and Xiaojie Wei

## WebKit

Available for: Apple Vision Pro

Impact: Processing maliciously crafted web content may disclose internal states of the app

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

WebKit Bugzilla: 294182

CVE-2025-43265: HexRabbit (@h3xr4bb1t) from DEVCORE Research Team

## WebKit

Available for: Apple Vision Pro

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

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

WebKit Bugzilla: 295382

CVE-2025-43216: Ignacio Sanmillan (@ulexec)

## WebKit

Available for: Apple Vision Pro

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

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).

WebKit Bugzilla: 296459

CVE-2025-6558: Clément Lecigne and Vlad Stolyarov of Google's Threat Analysis Group

## Additional recognition

### Bluetooth

We would like to acknowledge Lldong LI, Xiao Wang, Shao Dong Chen, and Chao Tan of Source Guard for their assistance.

### CoreAudio

We would like to acknowledge Noah Weinberg for their assistance.

## Device Management

We would like to acknowledge AI Karak for their assistance.

## libxml2

We would like to acknowledge Sergei Glazunov of Google Project Zero for their assistance.

## libxslt

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

## Shortcuts

We would like to acknowledge Dennis Kniep for their assistance.

## WebKit

We would like to acknowledge Google V8 Security Team, Yuhao Hu, Yan Kang, Chenggang Wu, and Xiaojie Wei, rheza (@ginggilBesel) for their assistance.


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Helpful?

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