



Ministry of Meteorology Energy
Information, Disaster Management,
Environment, Communications and
Climate Change

TLP: White¹

Vulnerabilities in Apple iOS exploited in the wild

Dear Constituents,

Apple has released iOS, iPadOS and tvOS version 14.4 containing fixes for three vulnerabilities affecting Webkit and the operating system's kernel. Apple have stated the vulnerabilities affect three of their operating systems: iOS, iPadO and tvOS.

How it works

According to security researchers the vulnerabilities affects iOS operating system kernel (CVE-2021-1782), and the other two were discovered in the WebKit browser engine (CVE-2021-1870 and CVE-2021-1871):

- The iOS kernel bug was described as a race condition bug that can allow attackers to elevate privileges for their attack code.
- The two WebKit browser engine were described as a "logic issue" that could allow remote attackers to execute their own malicious code inside users' Safari browsers.

What to do

- Keep your software up to date is one of the most important things you can do to maintain your Apple product's security.
- For most users, a pop-up should alert you that an update is available – select 'Update Now'.
- If you do not receive a pop up message, follow these steps:
 - Settings > System > Software Update. In there, select "Update Software"
- Ensure to update your iPhone, iPad, or iPod touch to the latest version of iOS or iPadOS — wirelessly or using your computer

Reference

- <https://support.apple.com/en-us/HT201222>
- <https://support.apple.com/en-us/HT212146>

1 CERT Tonga adopts the [Traffic Light Protocol](#)

For more information please contact us:

CERT Tonga
Ministry of MEIDECC
Nuku'alofa
Tel: 2378 (CERT)
Email: cert@cert.gov.to
Web: www.cert.gov.to
Twitter: @CERTTonga | Facebook: @CERTTonga

Disclaimer Notice:

The information in this notice is intended solely for public knowledge and awareness, and not intending to harm, fright or disturb any person(s), legal entity or the receiver of this information. Under no circumstances shall the Ministry of MEIDECC be liable for any indirect, incidental, consequential, special or exemplary damages arising out of or in connection with your access or use of or inability to access or use the information and any third party content and services