



# CVE-2019-8506

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2019-8506
<b>State</b>	PUBLIC
<b>Assigner</b>	product-security@apple.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-12-18 18:15:00 UTC
<b>Updated</b>	2021-05-18 12:59:00 UTC
<b>Description</b>	A type confusion issue was addressed with improved memory handling. This issue is fixed in iOS 12.2, tvOS 12.2, watchOS

## Risk And Classification

**EPSS:** 0.080640000 probability, percentile 0.921040000 (date 2026-04-01)

**CISA KEV:** Listed on 2022-05-04; due 2022-05-25; ransomware use Unknown

**Problem Types:** CWE-843

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Apple
<b>Product</b>	Multiple Products
<b>Name</b>	Apple Multiple Products Type Confusion Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://nvd.nist.gov/vuln/detail/CVE-2019-8506">https://nvd.nist.gov/vuln/detail/CVE-2019-8506</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Apple</a>	<a href="#">Icloud</a>	All	All	All	All
Application	<a href="#">Apple</a>	<a href="#">Icloud</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Iphone Os</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">Iphone Os</a>	All	All	All	All
Application	<a href="#">Apple</a>	<a href="#">Itunes</a>	All	All	All	All
Application	<a href="#">Apple</a>	<a href="#">Itunes</a>	All	All	All	All
Application	<a href="#">Apple</a>	<a href="#">Safari</a>	All	All	All	All
Application	<a href="#">Apple</a>	<a href="#">Safari</a>	All	All	All	All

Operating System	<a href="#">Apple</a>	<a href="#">TvOS</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">TvOS</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">WatchOS</a>	All	All	All	All
Operating System	<a href="#">Apple</a>	<a href="#">WatchOS</a>	All	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Desktop</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Server</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Workstation</a>	7.0	All	All	All

## References

Reference	Source	Link	Tags
About the security content of iTunes 12.9.4 for Windows - Apple Support	MISC	<a href="https://support.apple.com">support.apple.com</a>	Vendor Advisory
About the security content of tvOS 12.2 - Apple Support	MISC	<a href="https://support.apple.com">support.apple.com</a>	Vendor Advisory
About the security content of iOS 12.2 - Apple Support	MISC	<a href="https://support.apple.com">support.apple.com</a>	Vendor Advisory
About the security content of watchOS 5.2 - Apple Support	MISC	<a href="https://support.apple.com">support.apple.com</a>	Vendor Advisory
About the security content of Safari 12.1 - Apple Support	MISC	<a href="https://support.apple.com">support.apple.com</a>	Vendor Advisory
About the security content of iCloud for Windows 7.11 - Apple Support	MISC	<a href="https://support.apple.com">support.apple.com</a>	Vendor Advisory
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="https://www.cisa.gov">www.cisa.gov</a>	kev

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

<a href="#">377553</a> Alibaba Cloud Linux Security Update for webkitgtk4 (ALINUX2-SA-2020:0147)
<a href="#">501282</a> Alpine Linux Security Update for webkit2gtk
<a href="#">505503</a> Alpine Linux Security Update for webkit2gtk
<a href="#">710127</a> Gentoo Linux WebkitGTK+ Multiple vulnerabilities (GLSA 201909-05)
<a href="#">940366</a> AlmaLinux Security Update for GNOME (ALSA-2019:3553)
<a href="#">960235</a> Rocky Linux Security Update for GNOME (RLSA-2019:3553)

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