CVE-2020-27950

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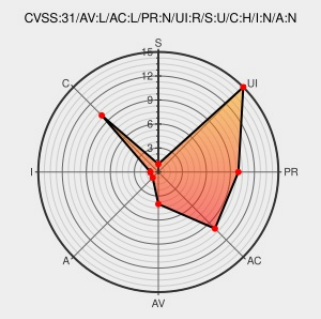
CVE-2020-27950

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ipados from Apple contain the following vulnerability:

A memory initialization issue was addressed. This issue is fixed in macOS Big Sur 11.0.1, watchOS 7.1, iOS 12.4.9, watchOS 6.2.9, Security Update 2020-006 High Sierra, Security Update 2020-006 Mojave, iOS 14.2 and iPadOS 14.2, watchOS 5.3.9, macOS Catalina 10.15.7 Supplemental Update, macOS Catalina 10.15.7 Update. A malicious application may be able to disclose kernel memory.

CVE-2020-27950 has been assigned by product-security@apple.com to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	NONE	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	NONE	NONE

CVSS2 Score: 7.1 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	NONE	NONE

CVE References

Description	Tags	Link
About the security content of watchOS 7.1 - Apple Support	Vendor Advisory support.apple.com	MISC support.apple.com/en-us/HT211928

	text/html	
XNU Kernel Mach Message Trailers Memory Disclosure ≈ Packet Storm	Third Party Advisory VDB Entry packetstormsecurity.com text/html	MISC packetstormsecurity.com/files/161296/XNU-Kernel-Mach-Message-Trailers-Memory-Disclosure.html
About the security content of iOS 14.2 and iPadOS 14.2 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211929
Full Disclosure: APPLE-SA-2020-12-14-4 Additional information for APPLE-SA-2020-11-13-1 macOS Big Sur 11.0.1	Mailing List Third Party Advisory seclists.org text/html	FULLDISC 20201215 APPLE-SA-2020-12-14-4 Additional information for APPLE-SA-2020-11-13-1 macOS Big Sur 11.0.1
About the security content of macOS Big Sur 11.0.1 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211931
About the security content of watchOS 5.3.9 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211945
About the security content of watchOS 6.2.9 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211944
About the security content of Security Update 2020-006 High Sierra, Security Update 2020-006 Mojave - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211946
About the security content of macOS Catalina 10.15.7 Supplemental Update, macOS Catalina 10.15.7 Update - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211947
About the security content of iOS 12.4.9 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211940

There are currently no QIDs associated with this CVE

Exploit/POC from Github

CVE-2020-27950 exploit

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Apple	Ipados	All	All	All	All
Operating System	Apple	Ipados	All	All	All	All
Operating	Apple	Iphone Os	All	All	All	All

System						
Operating System	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Macos	All	All	All	All
Operating System	Apple	Macos	All	All	All	All
Operating System	Apple	Watchos	All	All	All	All
Operating System	Apple	Watchos	All	All	All	All

cpe:2.3:o:apple:ipados:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:ipados:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:iphone_os:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:iphone_os:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:macos:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:macos:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:watchos:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:watchos:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
𝕏 @eForensics_Mag	IOS 1-DAY HUNTING: UNCOVERING AND EXPLOITING CVE-2020-27950 KERNEL MEMORY LEAK - read more on the eForensics blog!… twitter.com/i/web/status/1…	2021-11-13 14:00:02
𝕏 @ipssignatures	It's new to me that Astaro has a protection/signature/rule for the vulnerability CVE-2020-27950.… twitter.com/i/web/status/1…	2021-12-01 22:02:02
𝕏 @ipssignatures	It is the first time for me to know a protection/signature/rule for the vulnerability CVE-2020-27950. #S2lup7wlymtc4y	2021-12-01 22:02:02
𝕏 @eForensics_Mag	IOS 1-DAY HUNTING: UNCOVERING AND EXPLOITING CVE-2020-27950 KERNEL MEMORY LEAK! #iOS #AppleDevice #opensource bit.ly/37z6T4i	2022-09-14 13:00:00

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