CVE-2020-27916

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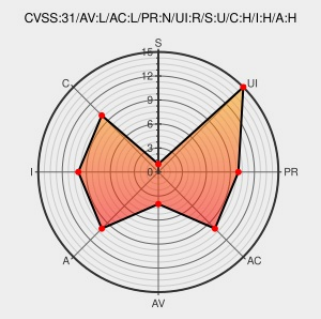
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ipados from Apple contain the following vulnerability:

An out-of-bounds write was addressed with improved input validation. This issue is fixed in macOS Big Sur 11.0.1, iOS 14.2 and iPadOS 14.2, tvOS 14.2, watchOS 7.1. Processing a maliciously crafted audio file may lead to arbitrary code execution.

CVE-2020-27916 has been assigned by product-security@apple.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **Apple** - **watchOS** version **< 7.1**

Affected Vendor/Software: **Apple** - **iOS and iPadOS** version **< 14.2**

Affected Vendor/Software: **Apple** - **tvOS** version **< 14.2**

Affected Vendor/Software: **Apple** - **macOS** version **< 11.0**

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 9.3 - HIGH

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

CVE References

Description	Tags	Link
About the security content of macOS Big Sur 11.1, Security Update 2020-001 Catalina, Security Update 2020-007 Mojave - Apple Support	Vendor Advisory support.apple.com text/html	CONFIRM support.apple.com/kb/HT212011
About the security content of watchOS 7.1 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211928
Full Disclosure: APPLE-SA-2020-12-14-3 macOS Big Sur 11.1, Security Update 2020-001 Catalina, Security Update 2020-007 Mojave	Mailing List Third Party Advisory seclists.org text/html	FULLDISC 20201215 APPLE-SA-2020-12-14-3 macOS Big Sur 11.1, Security Update 2020-001 Catalina, Security Update 2020-007 Mojave
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 tvOS 14.2 - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/en-us/HT211930

There are currently no QIDs associated with this CVE

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 System	Apple	Iphone Os	All	All	All	All
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	Apple	Tvos	All	All	All	All

System						
Operating System	Apple	Tvos	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:tvos:*:*:*:*:*:*:*:*:
- cpe:2.3:o:apple:tvos:*:*:*:*:*:*:*:*:
- cpe:2.3:o:apple:watchos:*:*:*:*:*:*:*:*:
- cpe:2.3:o:apple:watchos:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→