



CVE-2020-9870

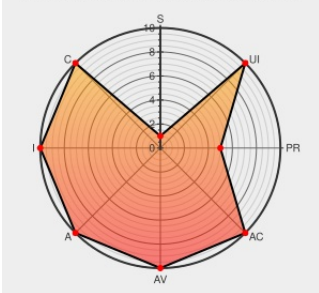
Published on: 10/16/2020 12:00:00 AM UTC

Last Modified on: 01/09/2023 04:41:00 PM UTC

CVE-2020-9870

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Ipados](#) from [Apple](#) contain the following vulnerability:

A logic issue was addressed with improved validation. This issue is fixed in iOS 13.6 and iPadOS 13.6, macOS Catalina 10.15.6, tvOS 13.4.8. An attacker with memory write capability may be able to bypass pointer authentication codes and run arbitrary code.

CVE-2020-9870 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Apple** - iOS version < iOS 13.6 and iPadOS 13.6

Affected Vendor/Software: **Apple** - macOS version < macOS Catalina 10.15.6

Affected Vendor/Software: **Apple** - tvOS version < tvOS 13.4.8

CVSS3 Score: **8.8 - HIGH**

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

CVSS2 Score: **6.5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
About the security content of macOS Catalina 10.15.6, Security Update 2020-004 Mojave, Security Update 2020-004 High Sierra - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT211289
About the security content of tvOS 13.4.8 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT211290
About the security content of iOS 13.6 and iPadOS 13.6 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT211288

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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	Ipad Os	All	All	All	All
Operating System	Apple	Ipad Os	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	Mac Os X	All	All	All	All
Operating System	Apple	Mac Os X	All	All	All	All
Operating System	Apple	Tvos	All	All	All	All
Operating System	Apple	Tvos	All	All	All	All

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

```
cpe:2.3:o:apple:ipad_os:*.:.:.:.:.:.:
```

```
cpe:2.3:o:apple:ipad_os:*:*:*:*:*:*:
```

```
cpe:2.3:o:apple:iphone os:*.~.*.*.*.*.*.*.*.*
```

```
cpe:2.3:o:apple:iphone os:*.~*~*~*~*~*~*~*~*~*
```

cpe:2.3:o:apple:mac_os_x:*****:

cpe:2.3:o:apple:mac_os_x:*****:

cpe:2.3:o:apple:tvos:*****:

cpe:2.3:o:apple:tvos:*****:

No vendor comments have been submitted for this CVE

Social Mentions

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