

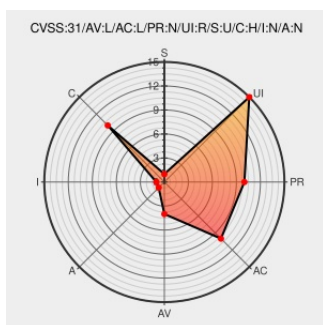


# CVE-2020-9812

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## CVE-2020-9812

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

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

An information disclosure issue was addressed with improved state management. This issue is fixed in iOS 13.5 and iPadOS 13.5, macOS Catalina 10.15.5, tvOS 13.4.5, watchOS 6.2.5. A local user may be able to read kernel memory.

CVE-2020-9812 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **Apple** - iOS version < **iOS 13.5** and **iPadOS 13.5**

Affected Vendor/Software: **Apple** - macOS version < **macOS Catalina 10.15.5**

Affected Vendor/Software: **Apple** - tvOS version < **tvOS 13.4.5**

Affected Vendor/Software: **Apple** - watchOS version < **watchOS 6.2.5**

CVSS3 Score: **5.5 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>NONE</b>         | <b>REQUIRED</b>     |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>NONE</b>         | <b>NONE</b>         |

CVSS2 Score: **7.1 - HIGH**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>MEDIUM</b>     | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>COMPLETE</b>        | <b>NONE</b>       | <b>NONE</b>         |

## CVE References

| Description                                                                                                                                 | Tags                                                                                                                               | Link                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| About the security content of tvOS 13.4.5 - Apple Support                                                                                   | <a href="#">Release Notes</a><br><a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/HT211171">support.apple.com/HT211171</a> |
| About the security content of watchOS 6.2.5 - Apple Support                                                                                 | <a href="#">Release Notes</a><br><a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/HT211175">support.apple.com/HT211175</a> |
| About the security content of macOS Catalina 10.15.5, Security Update 2020-003 Mojave, Security Update 2020-003 High Sierra - Apple Support | <a href="#">Release Notes</a><br><a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/HT211170">support.apple.com/HT211170</a> |
| About the security content of iOS 13.5 and iPadOS 13.5 - Apple Support                                                                      | <a href="#">Release Notes</a><br><a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/HT211168">support.apple.com/HT211168</a> |

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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 | <a href="#">Apple</a> | <a href="#">Ipados</a>    | All     | All    | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Ipad Os</a>   | All     | All    | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Ipad Os</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      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | All     | All    | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</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                           | Apple | Watchos | 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:*.*.*.*.*.*.*.*.      |       |         |     |     |     |     |
| cpe:2.3:o:apple:watchos:*.*.*.*.*.*.*.*.   |       |         |     |     |     |     |
| cpe:2.3:o:apple:watchos:*.*.*.*.*.*.*.*.   |       |         |     |     |     |     |

No vendor comments have been submitted for this CVE

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