



# CVE-2020-3872

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## CVE-2020-3872

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

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

A memory initialization issue was addressed with improved memory handling. This issue is fixed in iOS 13.3.1 and iPadOS 13.3.1, macOS Catalina 10.15.3, tvOS 13.3.1, watchOS 6.1.2. An application may be able to read restricted memory.

CVE-2020-3872 has been assigned by [product-security@apple.com](mailto:product-security@apple.com) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **Apple** - iOS version < **iOS 13.3.1** and iPadOS 13.3.1

Affected Vendor/Software: **Apple** - macOS version < **macOS Catalina 10.15.3**

Affected Vendor/Software: **Apple** - tvOS version < **tvOS 13.3.1**

Affected Vendor/Software: **Apple** - watchOS version < **watchOS 6.1.2**

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: **4.3 - MEDIUM**

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

## CVE References

| Description                                                                                                                                 | Tags                                                                                                                               | Link                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| About the security content of tvOS 13.3.1 - 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/HT210920">support.apple.com/HT210920</a> |
| About the security content of iOS 13.3.1 and iPadOS 13.3.1 - 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/HT210918">support.apple.com/HT210918</a> |
| About the security content of watchOS 6.1.2 - 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/HT210921">support.apple.com/HT210921</a> |
| About the security content of macOS Catalina 10.15.3, Security Update 2020-001 Mojave, Security Update 2020-001 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/HT210919">support.apple.com/HT210919</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="#">Ipados</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 | <a href="#">Apple</a> | <a href="#">Watchos</a>   | All     | All    | All     | All      |

**УДК**

|                                        |
|----------------------------------------|
| 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: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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