



# CVE-2021-1785

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## CVE-2021-1785

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

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

An out-of-bounds read was addressed with improved input validation. This issue is fixed in macOS Big Sur 11.2, Security Update 2021-001 Catalina, Security Update 2021-001 Mojave, watchOS 7.3, tvOS 14.4, iOS 14.4 and iPadOS 14.4. Processing a maliciously crafted image may lead to arbitrary code execution.

CVE-2021-1785 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Apple** - **iOS and iPadOS** version < 14.4

Affected Vendor/Software: **Apple** - **macOS** version < 11.2

Affected Vendor/Software: **Apple** - **macOS** version < 7.3

Affected Vendor/Software: **Apple** - **macOS** version < 14.4

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: **6.8 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| NETWORK                | MEDIUM            | NONE                |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| PARTIAL                | PARTIAL           | PARTIAL             |

## CVE References

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tags                                                           | Link                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| About the security content of tvOS 14.4 - Apple Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">support.apple.com</a><br><a href="#">text/html</a> |  <a href="#">MISC</a><br><a href="#">support.apple.com/en-us/HT212149</a> |
| About the security content of macOS Big Sur 11.2, Security Update 2021-001 Catalina, Security Update 2021-001 Mojave - Apple Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">support.apple.com</a><br><a href="#">text/html</a> |  <a href="#">MISC</a><br><a href="#">support.apple.com/en-us/HT212147</a> |
| About the security content of iOS 14.4 and iPadOS 14.4 - Apple Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">support.apple.com</a><br><a href="#">text/html</a> |  <a href="#">MISC</a><br><a href="#">support.apple.com/en-us/HT212146</a> |
| About the security content of watchOS 7.3 - Apple Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">support.apple.com</a><br><a href="#">text/html</a> |  <a href="#">MISC</a><br><a href="#">support.apple.com/en-us/HT212148</a> |
| <p>By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to <a href="mailto:comment@cve.report">comment@cve.report</a>.</p> |                                                                |                                                                                                                                                              |

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="#">Iphone Os</a> | All     | All                      | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Macos</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>  | 10.14.6 | -                        | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2019-004 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2019-005 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2019-006 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2019-007 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2020-001 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2020-002 | All     | All      |

|                                                                    |       |          |         |                          |     |     |
|--------------------------------------------------------------------|-------|----------|---------|--------------------------|-----|-----|
| System                                                             |       |          |         |                          |     |     |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | security_update_2020-003 | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | security_update_2020-004 | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | security_update_2020-005 | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | security_update_2020-006 | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | security_update_2020-007 | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | supplemental_update      | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.14.6 | supplemental_update_2    | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.15.7 | -                        | All | All |
| Operating System                                                   | Apple | Mac Os X | 10.15.7 | supplemental_update      | All | All |
| Operating System                                                   | Apple | Tvos     | All     | All                      | All | All |
| Operating System                                                   | Apple | Watchos  | All     | All                      | All | All |
| cpe:2.3:o:apple:ipados:*.*****:                                    |       |          |         |                          |     |     |
| cpe:2.3:o:apple:iphone_os:*.*****:                                 |       |          |         |                          |     |     |
| cpe:2.3:o:apple:macos:*.*****:                                     |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:*.*****:                                  |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:-.*.*.*.*:                        |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-004:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-005:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-006:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-007:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-001:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-002:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-003:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-004:*.*****: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-005:*.*****: |       |          |         |                          |     |     |

|                                                                  |
|------------------------------------------------------------------|
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-006:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-007:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:supplemental_update:*****:      |
| cpe:2.3:o:apple:mac_os_x:10.14.6:supplemental_update_2:*****:    |
| cpe:2.3:o:apple:mac_os_x:10.15.7:-:*****:                        |
| cpe:2.3:o:apple:mac_os_x:10.15.7:supplemental_update:*****:      |
| cpe:2.3:o:apple:tvos:*****:                                      |
| cpe:2.3:o:apple:watchos:*****:                                   |

No vendor comments have been submitted for this CVE

Social Mentions

| Source                                                                                      | Title                                                                                                                                                                                                          | Posted (UTC)        |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport | CVE-2021-1785 : An out-of-bounds read was addressed with improved input validation. This issue is fixed in macOS Bi... <a href="https://twitter.com/i/web/status/1388888888">twitter.com/i/web/status/1...</a> | 2021-04-02 18:37:18 |

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