

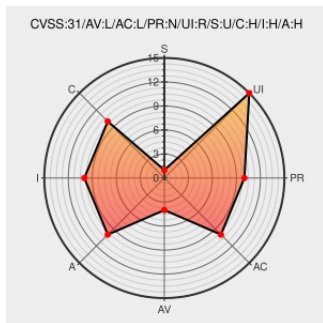


# CVE-2021-1758

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## CVE-2021-1758

[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 bounds checking. 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. A remote attacker may be able to cause arbitrary code execution.

CVE-2021-1758 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    |
|------------------|------------------------|---------------------|---------------------|
| <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>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **9.3 - 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>COMPLETE</b>   | <b>COMPLETE</b>     |

## 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> |  <b>MISC</b><br><a href="https://support.apple.com/en-us/HT212149">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> |  <b>MISC</b><br><a href="https://support.apple.com/en-us/HT212147">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> |  <b>MISC</b><br><a href="https://support.apple.com/en-us/HT212146">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> |  <b>MISC</b><br><a href="https://support.apple.com/en-us/HT212148">support.apple.com/en-us/HT212148</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="#">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_2019-001 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2019-002 | 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      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2020-003 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a>  | 10.14.6 | security_update_2020-004 | All     | All      |

|  |                                                                          |       |          |         |                          |         |
|--|--------------------------------------------------------------------------|-------|----------|---------|--------------------------|---------|
|  | System                                                                   |       |          |         |                          |         |
|  | 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_2019-001:*.*.*.*.*.*.*: |       |          |         |                          |         |
|  | cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-002:*.*.*.*.*.*.*: |       |          |         |                          |         |
|  | 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-2021-1758 : An out-of-bounds read was addressed with improved bounds checking. This issue is fixed in macOS Big... <a href="https://twitter.com/i/web/status/1348123456">twitter.com/i/web/status/1...</a> | 2021-04-02<br>18:30:48 |

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