

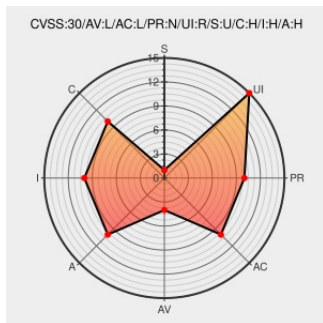


# CVE-2016-4777

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## CVE-2016-4777

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

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

The kernel in Apple iOS before 10, OS X before 10.12, tvOS before 10, and watchOS before 3 allows attackers to execute arbitrary code in a privileged context or cause a denial of service (invalid pointer dereference) via a crafted app.

CVE-2016-4777 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

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: **9.3 - HIGH**

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

## CVE References

| Description                  | Tags                                                                                                                            | Link                                        |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| APPLE-SA-2016-09-20-3 iOS 10 | <a href="#">Mailing List</a><br><a href="#">Vendor Advisory</a><br><a href="#">lists.apple.com</a><br><a href="#">text/html</a> | <a href="#">APPLE APPLE-SA-2016-09-20-3</a> |

|                                                                                                                                                                                           |                                                                                                                                           |                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| About the security content of macOS Sierra 10.12 - Apple Support                                                                                                                          | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a>                                         |  CONFIRM<br><a href="#">support.apple.com/HT207170</a>    |
| Apple macOS/OS X Multiple Flaws Let Remote and Local Users Deny Service, Obtain Potentially Sensitive Information, Execute Arbitrary Code, and Gain Elevated Privileges - SecurityTracker | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="#">www.securitytracker.com</a><br><a href="#">text/html</a> |  SECTrack 1036858                                        |
| About the security content of tvOS 10 - Apple Support                                                                                                                                     | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a>                                         |  CONFIRM<br><a href="#">support.apple.com/HT207142</a>   |
| About the security content of watchOS 3 - Apple Support                                                                                                                                   | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a>                                         |  CONFIRM<br><a href="#">support.apple.com/HT207141</a>   |
| APPLE-SA-2016-09-20-5 watchOS 3                                                                                                                                                           | <a href="#">Mailing List</a><br><a href="#">Vendor Advisory</a><br><a href="#">lists.apple.com</a><br><a href="#">text/html</a>           |  APPLE APPLE-SA-2016-09-20-5                             |
| APPLE-SA-2016-09-20 macOS Sierra 10.12                                                                                                                                                    | <a href="#">Mailing List</a><br><a href="#">Vendor Advisory</a><br><a href="#">lists.apple.com</a><br><a href="#">text/html</a>           |  APPLE APPLE-SA-2016-09-20                               |
| APPLE-SA-2016-09-20-6 tvOS 10                                                                                                                                                             | <a href="#">Mailing List</a><br><a href="#">Vendor Advisory</a><br><a href="#">lists.apple.com</a><br><a href="#">text/html</a>           |  APPLE APPLE-SA-2016-09-20-6                             |
| About the security content of iOS 10 - Apple Support                                                                                                                                      | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a>                                         |  CONFIRM<br><a href="#">support.apple.com/HT207143</a> |
| Apple iOS/tvOS/macOS/watchOS Multiple Security Vulnerabilities                                                                                                                            | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="#">cve.report (archive)</a><br><a href="#">text/html</a>    |  BID 93054                                             |

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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="#">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                      | Apple | Tvos    | All | All | All | All |
| Operating System                      | Apple | Tvos    | All | All | All | All |
| Operating System                      | Apple | Watchos | All | All | All | All |
| Operating System                      | Apple | Watchos | All | All | All | All |
| 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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