



CVE-2019-8637

Published on: 12/18/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:55 PM UTC

CVE-2019-8637

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

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

An input validation issue was addressed with improved input validation. This issue is fixed in iOS 12.3, tvOS 12.3, watchOS 5.2.1. A malicious application may be able to gain root privileges.

CVE-2019-8637 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Apple** - **iOS** version < **iOS 12.3**

Affected Vendor/Software: **Apple** - **tvOS** version < **tvOS 12.3**

Affected Vendor/Software: **Apple** - **watchOS** version < **watchOS 5.2.1**

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
About the security content of watchOS 5.2.1 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210122
About the security content of iOS 12.3 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210118
About the security content of tvOS 12.3 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210120

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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	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Iphone Os	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: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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