



CVE-2019-8628

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CVE-2019-8628

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

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

Multiple memory corruption issues were addressed with improved memory handling. This issue is fixed in iOS 12.3, macOS Mojave 10.14.5, tvOS 12.3, Safari 12.1.1, iTunes for Windows 12.9.5, iCloud for Windows 7.12. Processing maliciously crafted web content may lead to arbitrary code execution.

CVE-2019-8628 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	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 macOS Mojave 10.14.5, Security Update 2019-003 High Sierra, Security Update 2019-003 Sierra - Apple Support	Vendor Advisory support.apple.com text/html	MISC support.apple.com/HT210119

About the security content of iTunes for Windows 12.9.5 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210124
About the security content of iCloud for Windows 7.12 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210125
About the security content of iCloud for Windows 10.4 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210212
About the security content of Safari 12.1.1 - Apple Support	Vendor Advisory support.apple.com text/html	 MISC support.apple.com/HT210123
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
Application	Apple	Icloud	All	All	All	All
Application	Apple	Icloud	All	All	All	All
Operating System	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Iphone Os	All	All	All	All
Application	Apple	Itunes	All	All	All	All
Application	Apple	Itunes	All	All	All	All
Operating System	Apple	Mac Os X	All	All	All	All
Operating System	Apple	Mac Os X	All	All	All	All
Application	Apple	Safari	All	All	All	All
Application	Apple	Safari	All	All	All	All
Operating System	Apple	Tvos	All	All	All	All
Operating System	Apple	Tvos	All	All	All	All

```
cpe:2.3:a:apple:icloud:*:*:*:*:windows:*:*:
```

```
cpe:2.3:a:apple:icloud:*:*:*:*:windows:*:*:
```

cpe:2.3:o:apple:iphone_os:*.:*:*:*:*:*:*:*

```
cpe:2.3:o:apple:iphone_os:*.:*:*:*:*:*:
```

```
cpe:2.3:a:apple:itunes:*:*:*:*:windows:*:*
```

```
cpe:2.3:a:apple:itunes:*:*:*:*:windows:*:*:
```

```
cpe:2.3:o:apple:mac os x:*.:*:*:*:*:*:*:
```

```
cpe:2.3:o:apple:mac os x:*.:*:*:*:*:*:*:
```

```
cpe:2.3:a:apple:safari:*:*:*:*:*:*:
```

cpe:2.3:a:apple:safari:*:*:*:*:*:*:

```
cpe:2.3:o:apple:tvos:*. *. *. *. *. *. *. *. *
```

```
cpe:2.3:o:apple:tvos:*:*:*:*:*:*:
```

No vendor comments have been submitted for this CVE

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