

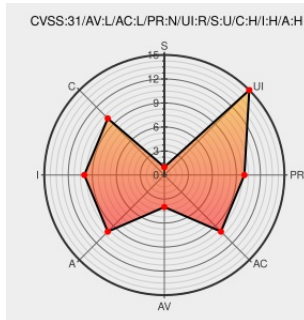


# CVE-2020-9937

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## CVE-2020-9937

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

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

An out-of-bounds write issue was addressed with improved bounds checking. This issue is fixed in iOS 13.6 and iPadOS 13.6, macOS Catalina 10.15.6, tvOS 13.4.8, watchOS 6.2.8, iTunes 12.10.8 for Windows, iCloud for Windows 11.3, iCloud for Windows 7.20.

Processing a maliciously crafted image may lead to arbitrary code execution.

CVE-2020-9937 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    |
|------------------|------------------------|---------------------|---------------------|
| <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: **6.8 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>MEDIUM</b>     | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description                                                           | Tags                                                                 | Link                                                                  |
|-----------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------|
| About the security content of iCloud for Windows 11.3 - Apple Support | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a> | <a href="#">MISC</a><br><a href="#">support.apple.com/kb/HT211294</a> |

|                                                                                                                                             |                                                                                                   |                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                             | <a href="#">text/html</a>                                                                         |                                                                                                                                                                               |
| tvOS 13.4.8'in güvenlik içeriği hakkında - Apple Destek                                                                                     | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/kb/HT211290">support.apple.com/kb/HT211290</a> |
| About the security content of iTunes 12.10.8 for Windows - Apple Support                                                                    | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/kb/HT211293">support.apple.com/kb/HT211293</a> |
| About the security content of iOS 13.6 and iPadOS 13.6 - Apple Support                                                                      | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/kb/HT211288">support.apple.com/kb/HT211288</a> |
| About the security content of watchOS 6.2.8 - Apple Support                                                                                 | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/kb/HT211291">support.apple.com/kb/HT211291</a> |
| About the security content of iCloud for Windows 7.20 - Apple Support                                                                       | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/kb/HT211295">support.apple.com/kb/HT211295</a> |
| About the security content of macOS Catalina 10.15.6, Security Update 2020-004 Mojave, Security Update 2020-004 High Sierra - Apple Support | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> |  MISC<br><a href="https://support.apple.com/kb/HT211289">support.apple.com/kb/HT211289</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 |
|------------------|-----------------------|---------------------------|---------|--------|---------|----------|
| Application      | <a href="#">Apple</a> | <a href="#">Icloud</a>    | All     | All    | All     | All      |
| Application      | <a href="#">Apple</a> | <a href="#">Icloud</a>    | All     | All    | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Ipados</a>    | All     | All    | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Ipad Os</a>   | All     | All    | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Ipad 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="#">Iphone Os</a> | All     | All    | All     | All      |
| Application      | <a href="#">Apple</a> | <a href="#">Itunes</a>    | All     | All    | All     | All      |
| Application      | <a href="#">Apple</a> | <a href="#">Itunes</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      |

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