



# CVE-2018-4451

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## CVE-2018-4451

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

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

This issue is fixed in macOS Mojave 10.14. A memory corruption issue was addressed with improved input validation.

CVE-2018-4451 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Apple** - **macOS** version < **10.14**

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 macOS Mojave 10.14 - Apple Support | <a href="#">Vendor Advisory</a><br><a href="#">support.apple.com</a><br><a href="#">text/html</a> | <a href="#">MISC support.apple.com/en-us/HT209139</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="#">Mac Os X</a> | All     | All    | All     | All      |
| Operating System                             | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | All     | All    | All     | All      |
| cpe:2.3:o:apple:mac_os_x.*.*.*.*.*.*.*.*.*.* |                       |                          |         |        |         |          |
| cpe:2.3:o:apple:mac_os_x.*.*.*.*.*.*.*.*.*.* |                       |                          |         |        |         |          |

No vendor comments have been submitted for this CVE

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