



# CVE-2020-9930

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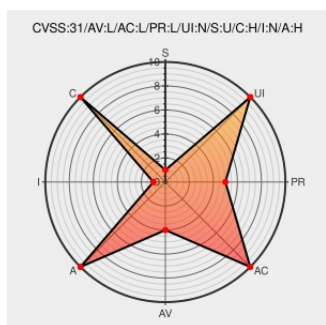
## CVE-2020-9930

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



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

An out-of-bounds read was addressed with improved input validation. This issue is fixed in macOS Catalina 10.15.6, Security Update 2020-004 Mojave, Security Update 2020-004 High Sierra. A local user may be able to cause unexpected system termination or read kernel memory.

CVE-2020-9930 has been assigned by product-security@apple.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Apple** - **macOS** version < 10.15

CVSS3 Score: **7.1 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **6.6 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>LOCAL</b>           | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>COMPLETE</b>        | <b>NONE</b>       | <b>COMPLETE</b>     |

## CVE References

| Description                                                                            | Tags                              | Link                 |
|----------------------------------------------------------------------------------------|-----------------------------------|----------------------|
| About the security content of macOS Catalina 10.15.6, Security Update 2020-004 Mojave, | <a href="#">support.apple.com</a> | <a href="#">MISC</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> | 10.13.6 | -                        | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2018-002 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2018-003 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-001 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-002 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-003 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-004 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-005 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-006 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2019-007 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2020-001 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2020-002 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | security_update_2020-003 | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.13.6 | supplemental_update      | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.14.6 | -                        | All     | All      |
| Operating System | <a href="#">Apple</a> | <a href="#">Mac Os X</a> | 10.14.6 | security_update_2019-001 | All     | All      |

|                                                                     |       |          |         |                          |     |     |
|---------------------------------------------------------------------|-------|----------|---------|--------------------------|-----|-----|
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2019-002 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2020-001 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2020-002 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2020-003 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2020-004 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2020-005 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | security_update_2020-006 | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | supplemental_update      | All | All |
| Operating System                                                    | Apple | Mac Os X | 10.14.6 | supplemental_update_2    | All | All |
| cpe:2.3:o:apple:mac_os_x:*****:.*:                                  |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:-:*****:.*:                        |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2018-002:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2018-003:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-001:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-002:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-003:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-004:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-005:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-006:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2019-007:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2020-001:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2020-002:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:security_update_2020-003:*****:.*: |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.13.6:supplemental_update:*****:.*:      |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:-:*****:.*:                        |       |          |         |                          |     |     |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-001:*****:.*: |       |          |         |                          |     |     |
|                                                                     |       |          |         |                          |     |     |

|                                                                  |
|------------------------------------------------------------------|
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2019-002:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-001:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-002:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-003:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-004:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-005:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:security_update_2020-006:*****: |
| cpe:2.3:o:apple:mac_os_x:10.14.6:supplemental_update:*****:      |
| cpe:2.3:o:apple:mac_os_x:10.14.6:supplemental_update_2:*****:    |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                       | Title                                                                                                                                                                                                    | Posted (UTC)        |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport | CVE-2020-9930 : An out-of-bounds read was addressed with improved input validation. This issue is fixed in macOS Ca... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2021-04-02 18:25:48 |
|  /r/netcve | <a href="#">CVE-2020-9930</a>                                                                                                                                                                            | 2021-04-02 18:30:09 |

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