



# CVE-2019-5612

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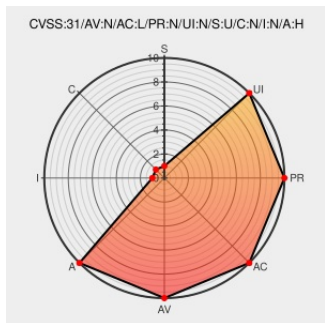
## CVE-2019-5612

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

In FreeBSD 12.0-STABLE before r351264, 12.0-RELEASE before 12.0-RELEASE-p10, 11.3-STABLE before r351265, 11.3-RELEASE before 11.3-RELEASE-p3, and 11.2-RELEASE before 11.2-RELEASE-p14, the kernel driver for /dev/midistat implements a read handler that is not thread-safe. A multi-threaded program can exploit races in the handler to copy out kernel memory outside the boundaries of midistat's data buffer.

CVE-2019-5612 has been assigned by secteam@freebsd.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **7.8 - HIGH**

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

## CVE References

| Description                                                                         | Tags                                          | Link                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------|
| September 2019 FreeBSD Vulnerabilities in NetApp Products   NetApp Product Security | <a href="#">security.netapp.com text/html</a> | <a href="#">CONFIRM security.netapp.com/advisory/ntap-20190910-0002/</a> |

[Mitigation](#)[Vendor Advisory](#)[security.FreeBSD.org](#)[text/plain](#) CONFIRM[security.FreeBSD.org/advisories/FreeBSD-SA-19:23.midi.asc](https://security.FreeBSD.org/advisories/FreeBSD-SA-19:23.midi.asc)

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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="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | -      | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p10    | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p11    | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p12    | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p13    | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p2     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p3     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p4     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p5     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p6     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p7     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p8     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2    | p9     | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3    | All    | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3    | -      | All     | All      |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3    | p1     | All     | All      |

|                  |                         |                         |      |     |     |     |
|------------------|-------------------------|-------------------------|------|-----|-----|-----|
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3 | p2  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3 | p3  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 12.0 | -   | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 12.0 | p1  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 12.0 | p3  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 12.0 | p4  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 12.0 | p5  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 12.0 | p8  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | -   | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p10 | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p11 | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p12 | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p13 | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p2  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p3  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p4  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p5  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p6  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p7  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p8  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.2 | p9  | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3 | All | All | All |
| Operating System | <a href="#">Freebsd</a> | <a href="#">Freebsd</a> | 11.3 | -   | All | All |

|                                           |         |                      |      |     |     |     |
|-------------------------------------------|---------|----------------------|------|-----|-----|-----|
| Operating System                          | Freebsd | Freebsd              | 11.3 | p1  | All | All |
| Operating System                          | Freebsd | Freebsd              | 11.3 | p2  | All | All |
| Operating System                          | Freebsd | Freebsd              | 11.3 | p3  | All | All |
| Operating System                          | Freebsd | Freebsd              | 12.0 | -   | All | All |
| Operating System                          | Freebsd | Freebsd              | 12.0 | p1  | All | All |
| Operating System                          | Freebsd | Freebsd              | 12.0 | p3  | All | All |
| Operating System                          | Freebsd | Freebsd              | 12.0 | p4  | All | All |
| Operating System                          | Freebsd | Freebsd              | 12.0 | p5  | All | All |
| Operating System                          | Freebsd | Freebsd              | 12.0 | p8  | All | All |
| Application                               | Netapp  | Clustered Data Ontap | -    | All | All | All |
| cpe:2.3:o:freebsd:freebsd:11.2:-:*****:   |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p10:*****: |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p11:*****: |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p12:*****: |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p13:*****: |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p2:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p3:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p4:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p5:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p6:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p7:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p8:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.2:p9:*****:  |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.3:*****:     |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.3:-:*****:   |         |                      |      |     |     |     |
| cpe:2.3:o:freebsd:freebsd:11.3:p1:*****:  |         |                      |      |     |     |     |
|                                           |         |                      |      |     |     |     |

|                                                            |
|------------------------------------------------------------|
| cpe:2.3:o:freebsd:freebsd:11.3:p2:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.3:p3:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:-:~::~~::~~::~~::~~::~~::   |
| cpe:2.3:o:freebsd:freebsd:12.0:p1:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:p3:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:p4:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:p5:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:p8:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:-:~::~~::~~::~~::~~::~~::   |
| cpe:2.3:o:freebsd:freebsd:11.2:p10:~::~~::~~::~~::~~::~~:: |
| cpe:2.3:o:freebsd:freebsd:11.2:p11:~::~~::~~::~~::~~::~~:: |
| cpe:2.3:o:freebsd:freebsd:11.2:p12:~::~~::~~::~~::~~::~~:: |
| cpe:2.3:o:freebsd:freebsd:11.2:p13:~::~~::~~::~~::~~::~~:: |
| cpe:2.3:o:freebsd:freebsd:11.2:p2:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p3:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p4:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p5:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p6:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p7:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p8:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.2:p9:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.3:~::~~::~~::~~::~~::~~::     |
| cpe:2.3:o:freebsd:freebsd:11.3:-:~::~~::~~::~~::~~::~~::   |
| cpe:2.3:o:freebsd:freebsd:11.3:p1:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.3:p2:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:11.3:p3:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:-:~::~~::~~::~~::~~::~~::   |
| cpe:2.3:o:freebsd:freebsd:12.0:p1:~::~~::~~::~~::~~::~~::  |
| cpe:2.3:o:freebsd:freebsd:12.0:p3:~::~~::~~::~~::~~::~~::  |

|                                                |
|------------------------------------------------|
| cpe:2.3:o:freebsd:freebsd:12.0:p4:*****:       |
| cpe:2.3:o:freebsd:freebsd:12.0:p5:*****:       |
| cpe:2.3:o:freebsd:freebsd:12.0:p8:*****:       |
| cpe:2.3:a:netapp:clustered_data_ontap:-:*****: |

No vendor comments have been submitted for this CVE

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