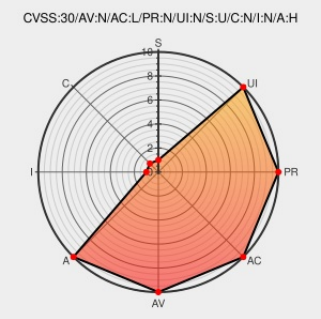
# CVE-2019-5599

Published on: 07/02/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:59 PM UTC

## CVE-2019-5599

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF




Certain versions of Freebsd from Freebsd contain the following vulnerability:

In FreeBSD 12.0-STABLE before r349197 and 12.0-RELEASE before 12.0-RELEASE-p6, a bug in the non-default RACK TCP stack can allow an attacker to cause several linked lists to grow unbounded and cause an expensive list traversal on every packet being processed, leading to resource exhaustion and a denial of service.

CVE-2019-5599 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 |
|---|---|---|---|
| NETWORK | LOW | NONE | NONE |
| **Scope** | **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| UNCHANGED | NONE | NONE | HIGH |

### CVSS2 Score: 7.8 - HIGH

| Access Vector | Access Complexity | Authentication |
|---|---|---|
| NETWORK | LOW | NONE |
| **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| NONE | NONE | COMPLETE |

### CVE References

| Description | Tags | Link |
|---|---|---|
| oss-security - Linux and FreeBSD Kernel: Multiple TCP-based remote denial of service issues | Mailing List<br>Third Party Advisory<br>www.openwall.com | MLIST [oss-security] 20190617 Linux and FreeBSD Kernel: Multiple TCP-based remote denial of service issues |

| | | |
|---|---|---|
| | text/html | |
| No Description Provided | Third Party Advisory<br>support.f5.com<br>text/html | MISC support.f5.com/csp/article/K75521003 |
| Public KB - SA44193 - 2019-06: Out-of-Cycle Advisory: Multiple Linux Kernel and FreeBSD vulnerabilities | Third Party Advisory<br>kb.pulsesecure.net<br>text/html | MISC kb.pulsesecure.net/articles/Pulse_Security_Advisories/SA44193 |
| FreeBSD Security Advisory - FreeBSD-SA-19:08.rack ≈ Packet Storm | Third Party Advisory<br>VDB Entry<br>packetstormsecurity.com<br>text/html | MISC packetstormsecurity.com/files/153378/FreeBSD-Security-Advisory-FreeBSD-SA-19-08.rack.html |
| | Mitigation<br>Vendor Advisory<br>security.FreeBSD.org<br>text/plain | FREEBSD FreeBSD-SA-19:08 |
| Bugtraq: FreeBSD Security Advisory FreeBSD-SA-19:08.rack | Mailing List<br>Mitigation<br>Patch<br>Third Party Advisory<br>seclists.org<br>text/html | BUGTRAQ 20190624 FreeBSD Security Advisory FreeBSD-SA-19:08.rack |
| CVE-2019-5599 FreeBSD TCP SACK Vulnerability in NetApp Products \| NetApp Product Security | Third Party Advisory<br>security.netapp.com<br>text/html | MISC security.netapp.com/advisory/ntap-20190625-0004/ |
| Linux / FreeBSD TCP-Based Denial Of Service ≈ Packet Storm | Third Party Advisory<br>VDB Entry<br>packetstormsecurity.com<br>text/html | MISC packetstormsecurity.com/files/153329/Linux-FreeBSD-TCP-Based-Denial-Of-Service.html |
| VU#905115 - Multiple TCP Selective Acknowledgement (SACK) and Maximum Segment Size (MSS) networking vulnerabilities may cause denial-of-service conditions in Linux and FreeBSD kernels | Third Party Advisory<br>US Government Resource<br>www.kb.cert.org<br>text/html | CERT-VN VU#905115 |
| security-bulletins/2019-001.md at master · Netflix/security-bulletins · GitHub | Mitigation<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/Netflix/security-bulletins/blob/master/advisories/third-party/2019-001.md |



There are currently no QIDs associated with this CVE

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Freebsd | Freebsd | 12.0 | - | All | All |
| Operating System | Freebsd | Freebsd | 12.0 | p1 | All | All |

| | | | | | | |
|---|---|---|---|---|---|---|
| Operating System | Freebsd | Freebsd | 12.0 | p2 | 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 | - | All | All |
| Operating System | Freebsd | Freebsd | 12.0 | p1 | All | All |
| Operating System | Freebsd | Freebsd | 12.0 | p2 | 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 |

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:p2:*:*:*:*:*:*:

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:-:*:*:*:*:*:*:

cpe:2.3:o:freebsd:freebsd:12.0:p1:*:*:*:*:*:*:

cpe:2.3:o:freebsd:freebsd:12.0:p2:*:*:*:*:*:*:

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:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

**CVE.report and Source URL Uptime Status status.cve.report**