

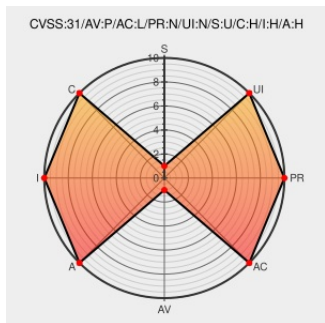


CVE-2020-7459

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CVE-2020-7459

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

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

In FreeBSD 12.1-STABLE before r362166, 12.1-RELEASE before p8, 11.4-STABLE before r362167, 11.4-RELEASE before p2, and 11.3-RELEASE before p12, missing length validation code common to multiple USB network drivers allows a malicious USB device to write beyond the end of an allocated network packet buffer.

CVE-2020-7459 has been assigned by secteam@freebsd.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **6.8 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
PHYSICAL	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **4.6 - MEDIUM**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
	Vendor Advisory security.FreeBSD.org text/plain	MISC security.FreeBSD.org/advisories/FreeBSD-SA-20:21.usb_net.asc

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Related QID Numbers

[690458](#) Free Berkeley Software Distribution (FreeBSD) Security Update for Free Berkeley Software Distribution (FreeBSD) (9eb01384-d793-11ea-88f8-901b0ef719ab)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Freebsd	Freebsd	11.3	-	All	All
Operating System	Freebsd	Freebsd	11.3	p1	All	All
Operating System	Freebsd	Freebsd	11.3	p10	All	All
Operating System	Freebsd	Freebsd	11.3	p11	All	All
Operating System	Freebsd	Freebsd	11.3	p2	All	All
Operating System	Freebsd	Freebsd	11.3	p3	All	All
Operating System	Freebsd	Freebsd	11.3	p4	All	All
Operating System	Freebsd	Freebsd	11.3	p5	All	All
Operating System	Freebsd	Freebsd	11.3	p6	All	All
Operating System	Freebsd	Freebsd	11.3	p7	All	All
Operating System	Freebsd	Freebsd	11.3	p8	All	All
Operating System	Freebsd	Freebsd	11.3	p9	All	All
Operating System	Freebsd	Freebsd	11.4	-	All	All
Operating System	Freebsd	Freebsd	11.4	p1	All	All
Operating System	Freebsd	Freebsd	12.1	-	All	All
Operating System	Freebsd	Freebsd	12.1	p1	All	All

Operating System	Freebsd	Freebsd	12.1	p2	All	All
Operating System	Freebsd	Freebsd	12.1	p3	All	All
Operating System	Freebsd	Freebsd	12.1	p4	All	All
Operating System	Freebsd	Freebsd	12.1	p6	All	All
Operating System	Freebsd	Freebsd	12.1	p7	All	All
Operating System	Freebsd	Freebsd	11.3	-	All	All
Operating System	Freebsd	Freebsd	11.3	p1	All	All
Operating System	Freebsd	Freebsd	11.3	p10	All	All
Operating System	Freebsd	Freebsd	11.3	p11	All	All
Operating System	Freebsd	Freebsd	11.3	p2	All	All
Operating System	Freebsd	Freebsd	11.3	p3	All	All
Operating System	Freebsd	Freebsd	11.3	p4	All	All
Operating System	Freebsd	Freebsd	11.3	p5	All	All
Operating System	Freebsd	Freebsd	11.3	p6	All	All
Operating System	Freebsd	Freebsd	11.3	p7	All	All
Operating System	Freebsd	Freebsd	11.3	p8	All	All
Operating System	Freebsd	Freebsd	11.3	p9	All	All
Operating System	Freebsd	Freebsd	11.4	-	All	All
Operating System	Freebsd	Freebsd	11.4	p1	All	All
Operating System	Freebsd	Freebsd	12.1	-	All	All
Operating System	Freebsd	Freebsd	12.1	p1	All	All
Operating System	Freebsd	Freebsd	12.1	p2	All	All
Operating System	Freebsd	Freebsd	12.1	p3	All	All

Operating System	Freebsd	Freebsd	12.1	p4	All	All
Operating System	Freebsd	Freebsd	12.1	p6	All	All
Operating System	Freebsd	Freebsd	12.1	p7	All	All
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:p10:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p11:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p2:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p3:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p4:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p5:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p6:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p7:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p8:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p9:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.4:-:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.4:p1:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:-:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:p1:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:p2:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:p3:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:p4:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:p6:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:12.1:p7:*:*:*:*:*:						
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:p10:*:*:*:*:*:						
cpe:2.3:o:freebsd:freebsd:11.3:p11:*:*:*:*:*:						

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:11.3:p4:*****:
cpe:2.3:o:freebsd:freebsd:11.3:p5:*****:
cpe:2.3:o:freebsd:freebsd:11.3:p6:*****:
cpe:2.3:o:freebsd:freebsd:11.3:p7:*****:
cpe:2.3:o:freebsd:freebsd:11.3:p8:*****:
cpe:2.3:o:freebsd:freebsd:11.3:p9:*****:
cpe:2.3:o:freebsd:freebsd:11.4:-:*****:
cpe:2.3:o:freebsd:freebsd:11.4:p1:*****:
cpe:2.3:o:freebsd:freebsd:12.1:-:*****:
cpe:2.3:o:freebsd:freebsd:12.1:p1:*****:
cpe:2.3:o:freebsd:freebsd:12.1:p2:*****:
cpe:2.3:o:freebsd:freebsd:12.1:p3:*****:
cpe:2.3:o:freebsd:freebsd:12.1:p4:*****:
cpe:2.3:o:freebsd:freebsd:12.1:p6:*****:
cpe:2.3:o:freebsd:freebsd:12.1:p7:*****:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @RemotelyAlerts	Severity: ?? In FreeBSD 12.1-STABLE before r362166, 1... CVE-2020-7459 Link for more: alerts.remotelyrmm.com/CVE-2020-7459	2022-06-05 04:30:45
 @LinInfoSec	Freebsd - CVE-2020-7459: security.FreeBSD.org/advisories/FreeBSD-SA-20-010	2022-06-05 06:06:52

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