CVE-2019-15879

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CVE-2019-15879

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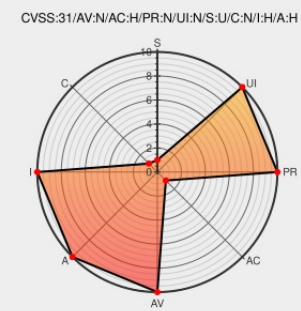

Certain versions of Freebsd from Freebsd contain the following vulnerability:

In FreeBSD 12.1-STABLE before r356908, 12.1-RELEASE before p5, 11.3-STABLE before r356908, and 11.3-RELEASE before p9, a race condition in the cryptodev module permitted a data structure in the kernel to be used after it was freed, allowing an unprivileged process can overwrite arbitrary kernel memory.

CVE-2019-15879 has been assigned by secteam@freebsd.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.4 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	HIGH	HIGH

CVSS2 Score: 5.8 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
May 2020 FreeBSD Vulnerabilities in NetApp Products | NetApp Product Security	security.netapp.com text/html	CONFIRM security.netapp.com/advisory/ntap-20200518-0005/
	Vendor Advisory	MISC security.FreeBSD.org/advisories/FreeBSD-

Vendor Advisory
security.FreeBSD.org
text/plain
SA-20:15.cryptodev.asc

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Related QID Numbers

690496 Free Berkeley Software Distribution (FreeBSD) Security Update for Free Berkeley Software Distribution (FreeBSD) (0bfcae0b-947f-11ea-92ab-00163e433440)

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	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	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	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	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	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

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: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: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: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:11.3:p4:*:*:*:*:*:*:

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

No vendor comments have been submitted for this CVE

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