CVE-2020-17469

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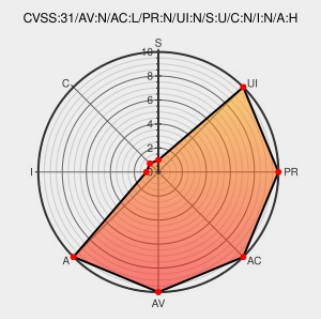

Certain versions of Fnet from Fnet Project contain the following vulnerability:

An issue was discovered in FNET through 4.6.4. The code for IPv6 fragment reassembly tries to access a previous fragment starting from a network incoming fragment that still doesn't have a reference to the previous one (which supposedly resides in the reassembly list). When faced with an incoming fragment that belongs to a non-empty fragment list, IPv6 reassembly must check that there are no empty holes between the fragments: this leads to an uninitialized pointer dereference in _fnet_ip6_reassembly in fnet_ip6.c, and causes Denial-of-Service.

CVE-2020-17469 has been assigned by cve@mitre.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: 5 - MEDIUM

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

CVE References

Description	Tags	Link

VU#815128 - Embedded TCP/IP stacks have memory corruption vulnerabilities	Third Party Advisory US Government Resource www.kb.cert.org text/html	MISC www.kb.cert.org/vuls/id/815128
No Description Provided	Release Notes Third Party Advisory fnet.sourceforge.net text/html	CONFIRM fnet.sourceforge.net/manual/fnet_history.html
Multiple Embedded TCP/IP Stacks | CISA	Third Party Advisory US Government Resource us-cert.cisa.gov text/html	MISC us-cert.cisa.gov/ics/advisories/icsa-20-343-01

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Fnet Project	Fnet	All	All	All	All

cpe:2.3:a:fnet_project:fnet:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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