



# CVE-2020-17468

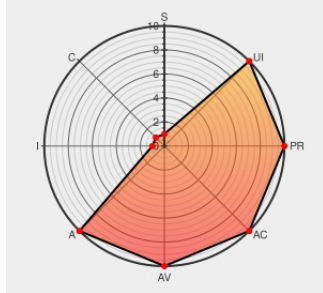
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## CVE-2020-17468

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



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

An issue was discovered in FNET through 4.6.4. The code for processing the hop-by-hop header (in the IPv6 extension headers) doesn't check for a valid length of an extension header, and therefore an out-of-bounds read can occur in `_fnet_ip6_ext_header_handler_options` in `fnet_ip6.c`, leading to Denial-of-Service.

CVE-2020-17468 has been assigned by [M](#) `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    |
|------------------|------------------------|---------------------|---------------------|
| <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: **5 - MEDIUM**

| 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>PARTIAL</b>      |

## CVE References

| Description                                                               | Tags                                                                           | Link                                                |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------|
| VU#815128 - Embedded TCP/IP stacks have memory corruption vulnerabilities | <a href="#">Third Party Advisory</a><br><a href="#">US Government Resource</a> | <a href="#">MISC www.kb.cert.org/vuls/id/815128</a> |

[www.kb.cert.org](#)  
[text/html](#)

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](#)

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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 |
|-------------|------------------------------|----------------------|---------|--------|---------|----------|
| Application | <a href="#">Fnet Project</a> | <a href="#">Fnet</a> | All     | All    | All     | All      |

cpe:2.3:a:fnet\_project:fnet:\*\*\*\*\*:.\*

No vendor comments have been submitted for this CVE

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