



CVE-2018-6948

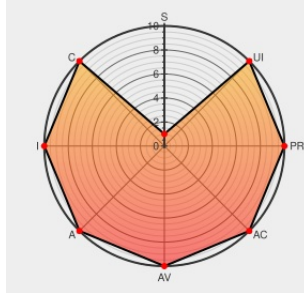
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CVE-2018-6948

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

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Ccn-lite](#) from [Ccn-lite](#) contain the following vulnerability:

In CCN-lite 2, the function ccnl_prefix_to_str_detailed can cause a buffer overflow, when writing a prefix to the buffer buf. The maximal size of the prefix is CCNL_MAX_PREFIX_SIZE; the buffer has the size CCNL_MAX_PREFIX_SIZE. However, when NFN is enabled, additional characters are written to the buffer (e.g., the "NFN" and "R2C" tags). Therefore, sending an NFN-R2C packet with a prefix of size CCNL_MAX_PREFIX_SIZE can cause an overflow of buf inside ccnl_prefix_to_str_detailed.

CVE-2018-6948 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
CVE-2018-6948: ccnl_prefix_to_str_detailed can overflow when using NFN. Issue	CVE-2018-6948	CCNEIDM@github.com/en

[CVE-2018-6948] ccnl_prefix_to_str_detail can overrun when using NFN · Issue #193 · cn-uofbasel/ccn-lite · GitHub

Third Party Advisory
github.com
text/html

CONFIRMED github.com/cn-uofbasel/ccn-lite/issues/193

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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	Ccn-lite	Ccn-lite	2.0.0	All	All	All
Application	Ccn-lite	Ccn-lite	2.0.0	All	All	All
cpe:2.3:a:ccn-lite:ccn-lite:2.0.0:*:*:*:*:*:						
cpe:2.3:a:ccn-lite:ccn-lite:2.0.0:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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