CVE-2018-10238

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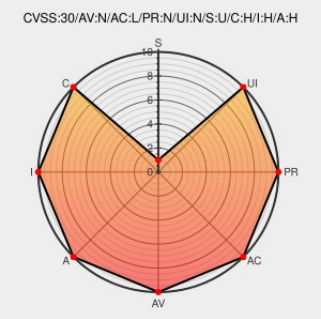
CVE-2018-10238

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Bacnet Protocol Stack from Bacnet Protocol Stack Project contain the following vulnerability:

bvlc.c in skarg BACnet Protocol Stack bacserv 0.9.1 and 0.8.5 is affected by a Buffer Overflow because of a lack of packet-size validation. The affected component is bacserv BACnet/IP BVLC forwarded NPDU. The function bvlc_bdt_forward_npdu() calls bvlc_encode_forwarded_npdu() which copies the content from the request into a local in the bvlc_bdt_forward_npdu() stack frame and clobbers the canary. The attack vector is: A BACnet/IP device with BBMD enabled based on this library connected to IP network. The fixed version is: 0.8.6.

CVE-2018-10238 has been assigned by 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

SourceForge.net: Log In to SourceForge.net	sourceforge.net text/html	CONFIRM sourceforge.net/p/bacnet/bugs/55/
BACnet Protocol Stack / SVN-old / Commit [r3168]	Patch Third Party Advisory sourceforge.net text/html	CONFIRM sourceforge.net/p/bacnet/code/3168/
BACnet Protocol Stack / SVN-old / Commit [r3169]	sourceforge.net text/html	CONFIRM sourceforge.net/p/bacnet/code/3169/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Bacnet Protocol Stack Project	Bacnet Protocol Stack	0.8.5	All	All	All
Application	Bacnet Protocol Stack Project	Bacnet Protocol Stack	0.8.5	All	All	All

cpe:2.3:a:bacnet_protocol_stack_project:bacnet_protocol_stack:0.8.5:*:*:*:*:*:*:*:

cpe:2.3:a:bacnet_protocol_stack_project:bacnet_protocol_stack:0.8.5:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

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