



CVE-2019-6291

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CVE-2019-6291

[Source: Mitre](#)

[Source: NIST](#)

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Certain versions of [Netwide Assembler](#) from [Nasm](#) contain the following vulnerability:

An issue was discovered in the function `expr6` in `eval.c` in Netwide Assembler (NASM) through 2.14.02. There is a stack exhaustion problem caused by the `expr6` function making recursive calls to itself in certain scenarios involving lots of '!' or '+' or '-' characters. Remote attackers could leverage this vulnerability to cause a denial-of-service via a crafted asm file.

CVE-2019-6291 has been assigned by [M](#) [cve@mitre.org](#) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

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

CVSS2 Score: **4.3 - MEDIUM**

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

CVE References

Description	Tags	Link
3392549 – Stack Exhaustion Problem Caused By the <code>expr6</code> Function Making Recursive Calls to Itself	Exploit Issue Tracking	MISC bugzilla.nasm.us/show_bug.cgi?

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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	Nasm	Netwide Assembler	All	All	All	All
cpe:2.3:a:nasm:netwide_assembler:*:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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