



CVE-2018-18701

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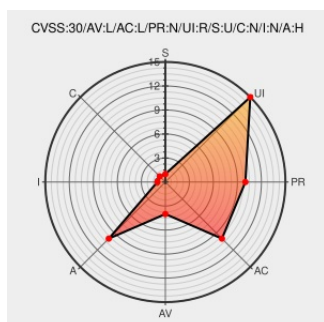
CVE-2018-18701

[Source: Mitre](#)

[Source: NIST](#)

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Certain versions of [Binutils](#) from [Gnu](#) contain the following vulnerability:

An issue was discovered in cp-demangle.c in GNU libiberty, as distributed in GNU Binutils 2.31. There is a stack consumption vulnerability resulting from infinite recursion in the functions `next_is_type_qual()` and `cplus_demangle_type()` in cp-demangle.c. Remote attackers could leverage this vulnerability to cause a denial-of-service via an ELF file, as demonstrated by nm.

CVE-2018-18701 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
87675 – Stack Overflow in function next_is_type_qual() in cp-demangle.c, as demonstrated by "nm -C"	Exploit Issue Tracking Vendor Advisory	MISC gcc.gnu.org/bugzilla/show_bug.cgi?id=87675

[gcc.gnu.org](https://gcc.gnu.org/text/html)
[text/html](#)

USN-4326-1: libiberty vulnerabilities | Ubuntu security notices

[usn.ubuntu.com](https://usn.ubuntu.com/text/html)
[text/html](#)

 **UBUNTU USN-4326-1**

USN-4336-1: GNU binutils vulnerabilities | Ubuntu security notices

[usn.ubuntu.com](https://usn.ubuntu.com/text/html)
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 **UBUNTU USN-4336-1**

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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	Gnu	Binutils	2.31	All	All	All
Application	Gnu	Binutils	2.31	All	All	All
cpe:2.3:a:gnu:binutils:2.31.*.*.*.*.*.*						
cpe:2.3:a:gnu:binutils:2.31.*.*.*.*.*.*						

No vendor comments have been submitted for this CVE

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