CVE-2017-10686

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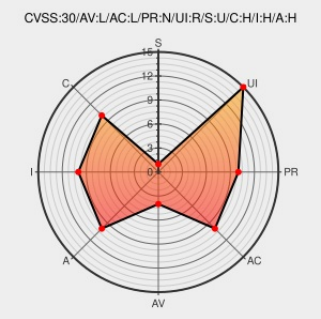

Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

In Netwide Assembler (NASM) 2.14rc0, there are multiple heap use after free vulnerabilities in the tool nasm. The related heap is allocated in the token() function and freed in the detoken() function (called by pp_getline()) - it is used again at multiple positions later that could cause multiple damages. For example, it causes a corrupted double-linked list in detoken(), a double free or corruption in delete_Token(), and an out-of-bounds write in detoken(). It has a high possibility to lead to a remote code execution attack.

CVE-2017-10686 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 6.8 - MEDIUM

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

CVE References

Description	Tags	Link
NASM: Multiple vulnerabilities (CLSA-201903-19) — Centos security		CENTOS CLSA-201903-19

NASM: Multiple vulnerabilities (GLSA 201903-19) — Gentoo security	security.gentoo.org text/html	GENTOO GLSA-201903-19
USN-3694-1: NASM vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3694-1
3392414 – Multiple use after free vulnerabilities in the Nasm tool with latest vesion	Exploit Issue Tracking Patch Third Party Advisory VDB Entry bugzilla.nasm.us text/html	MISC bugzilla.nasm.us/show_bug.cgi?id=3392414

Related QID Numbers

710188 Gentoo Linux NASM Multiple vulnerabilities (GLSA 201903-19)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Application	Nasm	Netwide Assembler	2.14	rc0	All	All
Application	Nasm	Netwide Assembler	2.14	rc0	All	All

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*:

cpe:2.3:a:nasm:netwide_assembler:2.14:rc0:*:*:*:*:*:*:

cpe:2.3:a:nasm:netwide_assembler:2.14:rc0:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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CVE.report and Source URL Uptime Status status.cve.report