

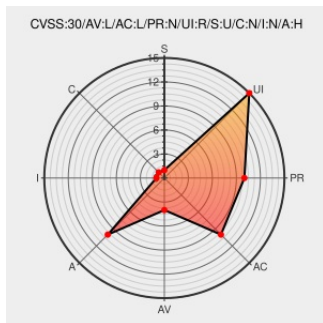


# CVE-2017-14228

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## CVE-2017-14228

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

Certain versions of [Ubuntu Linux](#) from [Canonical](#) contain the following vulnerability:

In Netwide Assembler (NASM) 2.14rc0, there is an illegal address access in the function `paste_tokens()` in `preproc.c`, aka a NULL pointer dereference. It will lead to remote denial of service.

CVE-2017-14228 has been assigned by [M](#) [cve@mitre.org](mailto: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    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>NONE</b>         | <b>REQUIRED</b>     |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **4.3 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>MEDIUM</b>     | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>PARTIAL</b>      |

## CVE References

| Description                                                       | Tags                                                                   | Link                                  |
|-------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------|
| NASM: Multiple vulnerabilities (GLSA 201903-19) — Gentoo security | <a href="#">security.gentoo.org</a><br><a href="#">text/html</a>       | <a href="#">GENTOO GLSA-201903-19</a> |
| USN-3694-1: NASM vulnerabilities   Ubuntu security notices        | <a href="#">Third Party Advisory</a><br><a href="#">usn.ubuntu.com</a> | <a href="#">UBUNTU USN-3694-1</a>     |

[text/html](#)

3392423 – There is an illegal address access in function paste\_tokens() in nasm.

[Exploit](#)[Issue Tracking](#)[Vendor Advisory](#)[bugzilla.nasm.us](#)[text/html](#)

[MISC bugzilla.nasm.us/show\\_bug.cgi?id=3392423](https://bugzilla.nasm.us/show_bug.cgi?id=3392423)

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## 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                                      | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>      | 14.04   | All    | All     | All      |
| Operating System                                      | <a href="#">Canonical</a> | <a href="#">Ubuntu Linux</a>      | 14.04   | All    | All     | All      |
| Application                                           | <a href="#">Nasm</a>      | <a href="#">Netwide Assembler</a> | 2.14    | rc0    | All     | All      |
| Application                                           | <a href="#">Nasm</a>      | <a href="#">Netwide Assembler</a> | 2.14    | rc0    | All     | All      |
| cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:its:*:*: |                           |                                   |         |        |         |          |
| cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:its:*:*: |                           |                                   |         |        |         |          |
| 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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