



# CVE-2013-4487

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## CVE-2013-4487

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

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

Off-by-one error in the `dane_raw_tlsa` in the DANE library (`libdane`) in GnuTLS 3.1.x before 3.1.16 and 3.2.x before 3.2.6 allows remote servers to cause a denial of service (memory corruption) via a response with more than four DANE entries. NOTE: this issue is due to an incomplete fix for CVE-2013-4466.

CVE-2013-4487 has been assigned by [secalert@redhat.com](mailto:secalert@redhat.com) to track the vulnerability

CVSS2 Score: **5 - MEDIUM**

Access  
Vector

**NETWORK**

Access  
Complexity

**LOW**

Authentication

**NONE**

Confidentiality  
Impact

**NONE**

Integrity  
Impact

**NONE**

Availability  
Impact

**PARTIAL**

## CVE References

Description

Tags

Link

oss-security - Re: CVE Request: gnutls/libdane buffer overflow

[Patch](#)  
[www.openwall.com](#)  
[text/html](#)

[MLIST \[oss-security\] 20131031 Re: CVE Request: gnutls/libdane buffer overflow](#)

Reorganized main loop in `dane_raw_tlsa` - Gitorious

[Exploit](#)  
[Patch](#)  
[web.archive.org](#)  
[text/html](#)  
**Inactive Link** **Not Archived**

**CONFIRM**  
[gitorious.org/gnutls/gnutls/commit/0dd5529509e46b11d5c0f3f26f99294e0e5fa6dc](#)

openSUSE-SU-2013:1714-1: moderate: update for gnutls

[lists.opensuse.org](#)  
[text/html](#)

[SUSE openSUSE-SU-2013:1714](#)

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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 | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.0   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.1   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.10  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.11  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.12  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.13  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.14  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.15  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.2   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.3   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.4   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.5   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.6   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.7   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.8   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.9   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.2.0   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.2.1   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.2.2   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.2.3   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.2.4   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.2.5   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.0   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.1   | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.10  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.11  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.12  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.13  | All    | All     | All      |
| Application | <a href="#">Gnu</a> | <a href="#">Gnutls</a> | 3.1.14  | All    | All     | All      |

|                                    |          |          |        |     |     |     |
|------------------------------------|----------|----------|--------|-----|-----|-----|
| Application                        | Gnu      | Gnutls   | 3.1.15 | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.2  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.3  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.4  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.5  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.6  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.7  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.8  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.1.9  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.2.0  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.2.1  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.2.2  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.2.3  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.2.4  | All | All | All |
| Application                        | Gnu      | Gnutls   | 3.2.5  | All | All | All |
| Operating System                   | Opensuse | Opensuse | 13.1   | All | All | All |
| Operating System                   | Opensuse | Opensuse | 13.1   | All | All | All |
| cpe:2.3:a:gnu:gnutls:3.1.0:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.1:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.10:*****: |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.11:*****: |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.12:*****: |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.13:*****: |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.14:*****: |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.15:*****: |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.2:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.3:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.4:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.5:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.6:*****:  |          |          |        |     |     |     |
| cpe:2.3:a:gnu:gnutls:3.1.7:*****:  |          |          |        |     |     |     |

|                                    |
|------------------------------------|
| cpe:2.3:a:gnu:gnutls:3.1.8:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.9:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.0:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.1:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.2:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.3:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.4:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.5:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.0:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.1:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.10:*****: |
| cpe:2.3:a:gnu:gnutls:3.1.11:*****: |
| cpe:2.3:a:gnu:gnutls:3.1.12:*****: |
| cpe:2.3:a:gnu:gnutls:3.1.13:*****: |
| cpe:2.3:a:gnu:gnutls:3.1.14:*****: |
| cpe:2.3:a:gnu:gnutls:3.1.15:*****: |
| cpe:2.3:a:gnu:gnutls:3.1.2:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.3:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.4:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.5:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.6:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.7:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.8:*****:  |
| cpe:2.3:a:gnu:gnutls:3.1.9:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.0:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.1:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.2:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.3:*****:  |
| cpe:2.3:a:gnu:gnutls:3.2.4:*****:  |

|                                                     |                          |
|-----------------------------------------------------|--------------------------|
| cpe:2.3:a:gnu:gnutls:3.2.4:*****:                   |                          |
| cpe:2.3:a:gnu:gnutls:3.2.5:*****:                   |                          |
| cpe:2.3:o:opensuse:opensuse:13.1:*****:             |                          |
| cpe:2.3:o:opensuse:opensuse:13.1:*****:             |                          |
| No vendor comments have been submitted for this CVE |                          |
| <a href="#">← Previous ID</a>                       | <a href="#">Next ID→</a> |