



CVE-2012-1569

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CVE-2012-1569

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

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

The `asn1_get_length_der` function in `decoding.c` in GNU Libtasn1 before 2.12, as used in GnuTLS before 3.0.16 and other products, does not properly handle certain large length values, which allows remote attackers to cause a denial of service (heap memory corruption and application crash) or possibly have unspecified other impact via a crafted ASN.1 structure.

CVE-2012-1569 has been assigned by 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

[security-announce] SUSE-SU-2014:0320-1: critical: Security update for g

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

[SUSE SUSE-SU-2014:0320](#)

Red Hat Customer Portal

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

[REDHAT RHSA-2012:0531](#)

USN-1436-1: Libtasn1 vulnerability | Ubuntu

[www.ubuntu.com](#)
[text/html](#)

[UBUNTU USN-1436-1](#)

804920 – (CVE-2012-1569) CVE-2012-1569 libtasn1: DER decoding buffer overflow (GNUTLS-SA-2012-3, MU-201202-02)

[bugzilla.redhat.com](#)
[text/html](#)

[CONFIRM](#)
[bugzilla.redhat.com/show_bug.cgi?id=804920](#)

[article.gmane.org](#) | 522: Connection timed out

[article.gmane.org](#)

[MLIST \[help-libtasn1\] 20120319 GNU](#)

	text/html Inactive Link Not Archived	Libtasn1 2.12 released
[SECURITY] Fedora 17 Update: mingw-libtasn1-2.12-1.fc17	lists.fedoraproject.org text/html	 FEDORA FEDORA-2012-4451
About Secunia Research Flexera	secunia.com Deprecated Link text/plain	 SECUNIA 48397
No Description Provided	archives.neohapsis.com Inactive Link Not Archived	 BUGTRAQ 20120320 Mu Dynamics, Inc. Security Advisories MU-201202-01 and MU-201202-02 for GnuTLS and Libtasn1
Gmane -- Mail To News And Back Again	Patch web.archive.org text/html Inactive Link Not Archived	 MLIST [gnutls-devel] 20120316 gnutls 3.0.16
[SECURITY] Fedora 17 Update: libtasn1-2.12-1.fc17	lists.fedoraproject.org text/html	 FEDORA FEDORA-2012-4357
[SECURITY] Fedora 16 Update: libtasn1-2.12-1.fc16	lists.fedoraproject.org text/html	 FEDORA FEDORA-2012-4342
oss-security - Re: CVE request: libtasn1 "asn1_get_length_der()" DER decoding issue	www.openwall.com text/html	 MLIST [oss-security] 20120320 Re: CVE request: libtasn1 "asn1_get_length_der()" DER decoding issue
[SECURITY] Fedora 15 Update: libtasn1-2.12-1.fc15	lists.fedoraproject.org text/html	 FEDORA FEDORA-2012-4308
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2012:0427
Security Advisory SA48578 - Red Hat update for libtasn1 - Secunia	web.archive.org text/html	 SECUNIA 48578
Debian -- Security Information -- DSA-2440-1 libtasn1-3	www.debian.org Deprecated Link text/html	 DEBIAN DSA-2440
www.mandriva.com	www.mandriva.com text/html	 MANDRIVA MDVSA-2012:039
oss-security - CVE request: libtasn1 "asn1_get_length_der()" DER decoding issue	www.openwall.com text/html	 MLIST [oss-security] 20120320 CVE request: libtasn1 "asn1_get_length_der()" DER decoding issue
GnuTLS - GNU Project - Free Software Foundation	Vendor Advisory www.gnu.org text/html	 CONFIRM www.gnu.org/software/gnutls/security.html
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	 REDHAT RHSA-2012:0488
libtASN1 asn1_der_decoding() Response Handling Bugs Let Remote Users Deny Service - SecurityTracker	www.securitytracker.com text/html	 SECTRAK 1026829
About Secunia Research Flexera	secunia.com Deprecated Link text/plain	 SECUNIA 49002
oss-security - Re: CVE request: GnuTLS TLS record handling issue / MU-201202-01	www.openwall.com text/html	 MLIST [oss-security] 20120321 Re: CVE request: GnuTLS TLS record handling issue / MU-201202-01

Security Alerts - Secunia	web.archive.org text/html	 SECUNIA 48596
article.gmane.org 522: Connection timed out	article.gmane.org text/html Inactive Link Not Archived	 MLIST [help-libtasn1] 20120319 minimal fix to security issue
linux.oracle.com ELSA-2014-0596 - libtasn1 security update	linux.oracle.com text/html	 CONFIRM linux.oracle.com/errata/ELSA-2014-0596.html
Security Advisory SA57260 - SUSE update for gnutls - Secunia	web.archive.org text/html	 SECUNIA 57260
Security Advisory SA50739 - Gentoo update for libtasn1 - Secunia	web.archive.org text/html	 SECUNIA 50739
[SECURITY] Fedora 15 Update: mingw-libtasn1-2.12-1.fc15	lists.fedoraproject.org text/html	 FEDORA FEDORA-2012-4417
[SECURITY] Fedora 16 Update: mingw32-gnutls-2.12.14-3.fc16	lists.fedoraproject.org text/html	 FEDORA FEDORA-2012-4409
About Secunia Research Flexera	secunia.com Deprecated Link text/plain	 SECUNIA 48488
Security Advisory SA48505 - Debian update for libtasn1-3 - Secunia	web.archive.org text/html	 SECUNIA 48505
Mu Dynamics Blog » Security Advisories MU-201202-01 and MU-201202-02 for GnuTLS and Libtasn1	Exploit web.archive.org text/html Inactive Link Not Archived	 MISC blog.mudynamics.com/2012/03/20/gnutls-and-libtasn1-vulns/

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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	Gnutls	1.0.16	All	All	All
Application	Gnu	Gnutls	1.0.17	All	All	All
Application	Gnu	Gnutls	1.0.18	All	All	All
Application	Gnu	Gnutls	1.0.19	All	All	All
Application	Gnu	Gnutls	1.0.20	All	All	All
Application	Gnu	Gnutls	1.0.21	All	All	All
Application	Gnu	Gnutls	1.0.22	All	All	All
Application	Gnu	Gnutls	1.0.23	All	All	All
Application	Gnu	Gnutls	1.0.24	All	All	All
Application	Gnu	Gnutls	1.0.25	All	All	All

Application	Gnu	Gnutls	1.1.13	All	All	All
Application	Gnu	Gnutls	1.1.14	All	All	All
Application	Gnu	Gnutls	1.1.15	All	All	All
Application	Gnu	Gnutls	1.1.16	All	All	All
Application	Gnu	Gnutls	1.1.17	All	All	All
Application	Gnu	Gnutls	1.1.18	All	All	All
Application	Gnu	Gnutls	1.1.19	All	All	All
Application	Gnu	Gnutls	1.1.20	All	All	All
Application	Gnu	Gnutls	1.1.21	All	All	All
Application	Gnu	Gnutls	1.1.22	All	All	All
Application	Gnu	Gnutls	1.1.23	All	All	All
Application	Gnu	Gnutls	1.2.0	All	All	All
Application	Gnu	Gnutls	1.2.1	All	All	All
Application	Gnu	Gnutls	1.2.10	All	All	All
Application	Gnu	Gnutls	1.2.11	All	All	All
Application	Gnu	Gnutls	1.2.2	All	All	All
Application	Gnu	Gnutls	1.2.3	All	All	All
Application	Gnu	Gnutls	1.2.4	All	All	All
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Application	Gnu	Gnutls	1.2.6	All	All	All
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Application	Gnu	Gnutls	1.2.8	All	All	All
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Application	Gnu	Gnutls	2.10.3	All	All	All
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Application	Gnu	Gnutls	2.12.1	All	All	All
Application	Gnu	Gnutls	2.12.10	All	All	All
Application	Gnu	Gnutls	2.12.11	All	All	All
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Application	Gnu	Gnutls	2.12.4	All	All	All
Application	Gnu	Gnutls	2.12.5	All	All	All
Application	Gnu	Gnutls	2.12.6	All	All	All
Application	Gnu	Gnutls	2.12.6.1	All	All	All
Application	Gnu	Gnutls	2.12.7	All	All	All
Application	Gnu	Gnutls	2.12.8	All	All	All
Application	Gnu	Gnutls	2.12.9	All	All	All
Application	Gnu	Gnutls	2.2.0	All	All	All
Application	Gnu	Gnutls	2.2.1	All	All	All
Application	Gnu	Gnutls	2.2.2	All	All	All
Application	Gnu	Gnutls	2.2.3	All	All	All
Application	Gnu	Gnutls	2.2.4	All	All	All
Application	Gnu	Gnutls	2.2.5	All	All	All
Application	Gnu	Gnutls	2.3.0	All	All	All
Application	Gnu	Gnutls	2.3.1	All	All	All
Application	Gnu	Gnutls	2.3.10	All	All	All
Application	Gnu	Gnutls	2.3.11	All	All	All
Application	Gnu	Gnutls	2.3.2	All	All	All
Application	Gnu	Gnutls	2.3.3	All	All	All
Application	Gnu	Gnutls	2.3.4	All	All	All
Application	Gnu	Gnutls	2.3.5	All	All	All
Application	Gnu	Gnutls	2.3.6	All	All	All

Application	Gnu	Gnutls	2.3.7	All	All	All
Application	Gnu	Gnutls	2.3.8	All	All	All
Application	Gnu	Gnutls	2.3.9	All	All	All
Application	Gnu	Gnutls	2.4.0	All	All	All
Application	Gnu	Gnutls	2.4.1	All	All	All
Application	Gnu	Gnutls	2.4.2	All	All	All
Application	Gnu	Gnutls	2.4.3	All	All	All
Application	Gnu	Gnutls	2.5.0	All	All	All
Application	Gnu	Gnutls	2.6.0	All	All	All
Application	Gnu	Gnutls	2.6.1	All	All	All
Application	Gnu	Gnutls	2.6.2	All	All	All
Application	Gnu	Gnutls	2.6.3	All	All	All
Application	Gnu	Gnutls	2.6.4	All	All	All
Application	Gnu	Gnutls	2.6.5	All	All	All
Application	Gnu	Gnutls	2.6.6	All	All	All
Application	Gnu	Gnutls	2.7.4	All	All	All
Application	Gnu	Gnutls	2.8.0	All	All	All
Application	Gnu	Gnutls	2.8.1	All	All	All
Application	Gnu	Gnutls	2.8.2	All	All	All
Application	Gnu	Gnutls	2.8.3	All	All	All
Application	Gnu	Gnutls	2.8.4	All	All	All
Application	Gnu	Gnutls	2.8.5	All	All	All
Application	Gnu	Gnutls	2.8.6	All	All	All
Application	Gnu	Gnutls	3.0	All	All	All
Application	Gnu	Gnutls	3.0.0	All	All	All
Application	Gnu	Gnutls	3.0.1	All	All	All
Application	Gnu	Gnutls	3.0.10	All	All	All
Application	Gnu	Gnutls	3.0.11	All	All	All
Application	Gnu	Gnutls	3.0.12	All	All	All
Application	Gnu	Gnutls	3.0.13	All	All	All
Application	Gnu	Gnutls	3.0.14	All	All	All
Application	Gnu	Gnutls	3.0.2	All	All	All
Application	Gnu	Gnutls	3.0.3	All	All	All
Application	Gnu	Gnutls	3.0.4	All	All	All
Application	Gnu	Gnutls	3.0.5	All	All	All

Application	Gnu	Gnutls	3.0.6	All	All	All
Application	Gnu	Gnutls	3.0.7	All	All	All
Application	Gnu	Gnutls	3.0.8	All	All	All
Application	Gnu	Gnutls	3.0.9	All	All	All
Application	Gnu	Gnutls	All	All	All	All
Application	Gnu	Libtasn1	0.1.0	All	All	All
Application	Gnu	Libtasn1	0.1.1	All	All	All
Application	Gnu	Libtasn1	0.1.2	All	All	All
Application	Gnu	Libtasn1	0.2.0	All	All	All
Application	Gnu	Libtasn1	0.2.1	All	All	All
Application	Gnu	Libtasn1	0.2.10	All	All	All
Application	Gnu	Libtasn1	0.2.11	All	All	All
Application	Gnu	Libtasn1	0.2.12	All	All	All
Application	Gnu	Libtasn1	0.2.13	All	All	All
Application	Gnu	Libtasn1	0.2.14	All	All	All
Application	Gnu	Libtasn1	0.2.15	All	All	All
Application	Gnu	Libtasn1	0.2.16	All	All	All
Application	Gnu	Libtasn1	0.2.17	All	All	All
Application	Gnu	Libtasn1	0.2.18	All	All	All
Application	Gnu	Libtasn1	0.2.2	All	All	All
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Application	Gnu	Libtasn1	0.2.4	All	All	All
Application	Gnu	Libtasn1	0.2.5	All	All	All
Application	Gnu	Libtasn1	0.2.6	All	All	All
Application	Gnu	Libtasn1	0.2.7	All	All	All
Application	Gnu	Libtasn1	0.2.8	All	All	All
Application	Gnu	Libtasn1	0.2.9	All	All	All
Application	Gnu	Libtasn1	0.3.0	All	All	All
Application	Gnu	Libtasn1	0.3.1	All	All	All
Application	Gnu	Libtasn1	0.3.10	All	All	All
Application	Gnu	Libtasn1	0.3.2	All	All	All
Application	Gnu	Libtasn1	0.3.3	All	All	All
Application	Gnu	Libtasn1	0.3.4	All	All	All
Application	Gnu	Libtasn1	0.3.5	All	All	All
Application	Gnu	Libtasn1	0.3.6	All	All	All
Application	Gnu	Libtasn1	0.3.7	All	All	All

Application	Gnu	Libtasn1	0.3.7	All	All	All
Application	Gnu	Libtasn1	0.3.8	All	All	All
Application	Gnu	Libtasn1	0.3.9	All	All	All
Application	Gnu	Libtasn1	1.0	All	All	All
Application	Gnu	Libtasn1	1.1	All	All	All
Application	Gnu	Libtasn1	1.2	All	All	All
Application	Gnu	Libtasn1	1.3	All	All	All
Application	Gnu	Libtasn1	1.4	All	All	All
Application	Gnu	Libtasn1	1.5	All	All	All
Application	Gnu	Libtasn1	1.6	All	All	All
Application	Gnu	Libtasn1	1.7	All	All	All
Application	Gnu	Libtasn1	1.8	All	All	All
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Application	Gnu	Libtasn1	2.10	All	All	All
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Application	Gnu	Libtasn1	0.2.0	All	All	All
Application	Gnu	Libtasn1	0.2.1	All	All	All
Application	Gnu	Libtasn1	0.2.10	All	All	All
Application	Gnu	Libtasn1	0.2.11	All	All	All
Application	Gnu	Libtasn1	0.2.12	All	All	All
Application	Gnu	Libtasn1	0.2.13	All	All	All
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Application	Gnu	Libtasn1	0.2.17	All	All	All

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Application	Gnu	Libtasn1	0.2.3	All	All	All
Application	Gnu	Libtasn1	0.2.4	All	All	All
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Application	Gnu	Libtasn1	0.3.0	All	All	All
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Application	Gnu	Libtasn1	1.8	All	All	All
Application	Gnu	Libtasn1	2.0	All	All	All
Application	Gnu	Libtasn1	2.1	All	All	All
Application	Gnu	Libtasn1	2.10	All	All	All
Application	Gnu	Libtasn1	2.2	All	All	All
Application	Gnu	Libtasn1	2.3	All	All	All
Application	Gnu	Libtasn1	2.4	All	All	All

Application	Gnu	Libtasn1	2.5	All	All	All
Application	Gnu	Libtasn1	2.6	All	All	All
Application	Gnu	Libtasn1	2.7	All	All	All
Application	Gnu	Libtasn1	2.8	All	All	All
Application	Gnu	Libtasn1	2.9	All	All	All
Application	Gnu	Libtasn1	All	All	All	All
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cpe:2.3:a:gnu:gnutls:1.2.4:****:*:
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cpe:2.3:a:gnu:gnutls:1.2.6:****:*:
cpe:2.3:a:gnu:gnutls:1.2.7:****:*:
cpe:2.3:a:gnu:gnutls:1.2.8:****:*:
cpe:2.3:a:gnu:gnutls:1.2.8.1a1:****:*:
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cpe:2.3:a:gnu:gnutls:1.3.0:****:*:
cpe:2.3:a:gnu:gnutls:1.3.1:****:*:
cpe:2.3:a:gnu:gnutls:1.3.2:****:*:
cpe:2.3:a:gnu:gnutls:1.3.3:****:*:
cpe:2.3:a:gnu:gnutls:1.3.4:****:*:
cpe:2.3:a:gnu:gnutls:1.3.5:****:*:
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cpe:2.3:a:gnu:gnutls:1.5.4:****:*:
cpe:2.3:a:gnu:gnutls:1.5.5:****:*:

cpe:2.3:a:gnu:gnutls:1.6.0:*****:
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cpe:2.3:a:gnu:gnutls:1.7.19:*****:
cpe:2.3:a:gnu:gnutls:1.7.2:*****:
cpe:2.3:a:gnu:gnutls:1.7.3:*****:
cpe:2.3:a:gnu:gnutls:1.7.4:*****:
cpe:2.3:a:gnu:gnutls:1.7.5:*****:
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cpe:2.3:a:gnu:gnutls:1.7.7:*****:
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cpe:2.3:a:gnu:gnutls:1.7.9:*****:
cpe:2.3:a:gnu:gnutls:2.0.0:*****:
cpe:2.3:a:gnu:gnutls:2.0.1:*****:
cpe:2.3:a:gnu:gnutls:2.0.2:*****:
cpe:2.3:a:gnu:gnutls:2.0.3:*****:
cpe:2.3:a:gnu:gnutls:2.0.4:*****:

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cpe:2.3:a:gnu:gnutls:2.1.0:*:*:*:*:*:*:
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cpe:2.3:a:gnu:gnutls:2.1.1:*:*:*:*:*:*:
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cpe:2.3:a:gnu:gnutls:2.1.3:*:*:*:*:*:*:
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cpe:2.3:a:gnu:gnutls:2.1.4:*:*:*:*:*:*:
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cpe:2.3:a:gnu:gnutls:2.1.5:*:*:*:*:*:*:
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```
cpe:2.3:a:gnu:gnutls:2.10.5:*:*:*:*:*:*:
```

```
cpe:2.3:a:gnu:gnutls:2.12.0:*:*:*:*:*:*:
```

```
cpe:2.3:a:gnu:gnutls:2.12.1:*:*:*:*:*:*:*:
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```
cpe:2.3:a:gnu:gnutls:2.12.10:*:*:*:*:*:*:
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```
cpe:2.3:a:gnu:gnutls:2.12.11:*:*:*:*:*:*:
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```
cpe:2.3:a:gnu:gnutls:2.12.12:*:*:*:*:*:*:
```

```
cpe:2.3:a:gnu:gnutls:2.12.13:*:*:*:*:*:*:
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```

```
cpe:2.3:a:gnu:gnutls:2.12.2:*:*:*:*:*:*:
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```
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```
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```

```
cpe:2.3:a:gnu:gnutls:2.12.5:*:*:*:*:*:*:
```

```
cpe:2.3:a:gnu:gnutls:2.12.6:*:*:*:*:*:*:
```

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cpe:2.3:a:gnu:gnutls:2.12.6.1:*:*:*:*:*:
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cpe:2.3:a:gnu:gnutls:2.12.7:*****:
cpe:2.3:a:gnu:gnutls:2.12.8:*****:
cpe:2.3:a:gnu:gnutls:2.12.9:*****:
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cpe:2.3:a:gnu:gnutls:2.3.6:*****:
cpe:2.3:a:gnu:gnutls:2.3.7:*****:
cpe:2.3:a:gnu:gnutls:2.3.8:*****:
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cpe:2.3:a:gnu:gnutls:2.6.2:*****:

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cpe:2.3:a:gnu:gnutls:2.6.4:~::~~::~~::~~::~~::~~::
cpe:2.3:a:gnu:gnutls:2.6.5:~::~~::~~::~~::~~::~~::
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cpe:2.3:a:gnu:gnutls:2.8.2:~::~~::~~::~~::~~::~~::
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cpe:2.3:a:gnu:gnutls:2.8.4:~::~~::~~::~~::~~::~~::
cpe:2.3:a:gnu:gnutls:2.8.5:~::~~::~~::~~::~~::~~::
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No vendor comments have been submitted for this CVE

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