



CVE-2015-8803

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2015-8803
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-02-23 19:59:00 UTC
Updated	2018-10-30 16:27:00 UTC
Description	The ecc_256_modp function in ecc-256.c in Nettle before 3.2 does not properly handle carry propagation and produces incor

Risk And Classification

Problem Types: CWE-310 | CWE-254

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	15.10	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	15.10	All	All	All
Application	Nettle Project	Nettle	All	All	All	All
Operating System	Opensuse	Leap	42.1	All	All	All
Operating System	Opensuse	Leap	42.1	All	All	All
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Opensuse	Opensuse	13.2	All	All	All
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Opensuse	Opensuse	13.2	All	All	All

References

Reference	Source	Link
Fixed miscomputation bugs in secp-256r1 modulo functions. (c71d2c9d) · Commits · Nettle / nettle · GitLab	CONFIRM	git.lysator.liu.se
openSUSE-SU-2016:0475-1: moderate: Security update for libnettle	SUSE	lists.opensuse.org
oss-security - Re: Miscomputations of elliptic curve scalar multiplications in Nettle	MLIST	www.openwall.com

Red Hat Customer Portal	REDHAT	rhn.redhat.com
secp256 calculation bug (already fixed)	MLIST	lists.lysator.liu.se
ANNOUNCE: Nettle-3.2	MLIST	lists.gnu.org
openSUSE-SU-2016:0486-1: moderate: Security update for libnettle	SUSE	lists.opensuse.org
oss-security - Miscomputations of elliptic curve scalar multiplications in Nettle	MLIST	www.openwall.com
USN-2897-1: Nettle vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com
[SECURITY] Fedora 22 Update: nettle-2.7.1-6.fc22	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 23 Update: nettle-3.2-1.fc23	FEDORA	lists.fedoraproject.org
[SECURITY] Fedora 23 Update: mingw-nettle-3.2-1.fc23	FEDORA	lists.fedoraproject.org
Miscomputations of elliptic curve scalar multiplications in Nettle The Fuzzing Project	MISC	blog.fuzzing-project.org
openSUSE-SU-2016:0477-1: moderate: Security update for libnettle	SUSE	lists.opensuse.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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