



CVE-2016-6131

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[NVD](#)

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Summary

CVE	CVE-2016-6131
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-02-07 15:59:00 UTC
Updated	2025-04-20 01:37:25 UTC
Description	The demangler in GNU Libiberty allows remote attackers to cause a denial of service (infinite loop, stack overflow, and crash) by sending a crafted input to the demangler.

Risk And Classification

Primary CVSS: v3.0 7.5 HIGH from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

Problem Types: CWE-20 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.5	HIGH	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:N/I:N/A:P

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

AV:N/AC:L/Au:N/C:N/I:N/A:P

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gnu	Libiberty	-	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source	Link
oss-security - Re: CVE Request: No demangling of untrusted binaries (2)	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
Marcel BÄhme - Fix fir PR71696 in Libiberty Demangler (6)	af854a3a-2127-422b-91ae-364da2661108	gcc.gnu.org
oss-security - CVE Request: No demangling of untrusted binaries (2)	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
GNU libiberty CVE-2016-6131 Stack Based Buffer Overflow Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.securityfocus.com
71696 – Libiberty Demangler segfaults (6)	af854a3a-2127-422b-91ae-364da2661108	gcc.gnu.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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