CVE-2017-15020

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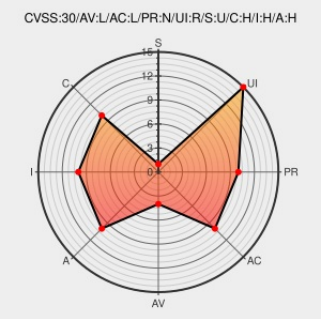

Certain versions of Binutils from Gnu contain the following vulnerability:

dwarf1.c in the Binary File Descriptor (BFD) library (aka libbfd), as distributed in GNU Binutils 2.29, mishandles pointers, which allows remote attackers to cause a denial of service (application crash) or possibly have unspecified other impact via a crafted ELF file, related to parse_die and parse_line_table, as demonstrated by a parse_die heap-based buffer over-read.

CVE-2017-15020 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	NONE	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 6.8 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
sourceware.org Git - binutils-gdb.git/commit	sourceware.org text/xml	MISC sourceware.org/git/gitweb.cgi?p=binutils-gdb.git;h=1da5c9a485f3dcac4c45e96ef4b7dae5948314b5
22202 – heap-based buffer overflow in parse_die	Issue Tracking	MISC sourceware.org/bugzilla/show_bug.cgi?id=22202

(dwarf1.c)	Patch Third Party Advisory sourceware.org text/html	
binutils: heap-based buffer overflow in parse_die (dwarf1.c) | agostino's blog	Patch Third Party Advisory VDB Entry blogs.gentoo.org text/html	MISC blogs.gentoo.org/ago/2017/10/03/binutils-heap-based-buffer-overflow-in-parse_die-dwarf1-c/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gnu	Binutils	2.29	All	All	All
Application	Gnu	Binutils	2.29	All	All	All

cpe:2.3:a:gnu:binutils:2.29:*:*:*:*:*:*:*:

cpe:2.3:a:gnu:binutils:2.29:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→