CVE-2017-15022

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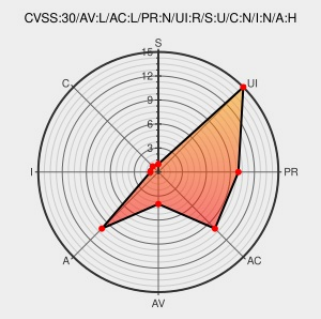

Certain versions of Binutils from Gnu contain the following vulnerability:

dwarf2.c in the Binary File Descriptor (BFD) library (aka libbfd), as distributed in GNU Binutils 2.29, does not validate the DW_AT_name data type, which allows remote attackers to cause a denial of service (bfd_hash_hash NULL pointer dereference, or out-of-bounds access, and application crash) via a crafted ELF file, related to scan_unit_for_symbols and parse_comp_unit.

CVE-2017-15022 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

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

CVE References

Description	Tags	Link
22201 – DW_AT_name with out of bounds reference	Issue Tracking Patch Third Party Advisory	MISC sourceware.org/bugzilla/show_bug.cgi?id=22201

	sourceware.org text/html	
sourceware.org Git - binutils-gdb.git/commit	sourceware.org text/xml	MISC sourceware.org/git/gitweb.cgi?p=binutils-gdb.git;h=11855d8a1f11b102a702ab76e95b22082cccf2f8
binutils: NULL pointer dereference in bfd_hash_hash (hash.c) | agostino's blog	Patch Third Party Advisory VDB Entry blogs.gentoo.org text/html	MISC blogs.gentoo.org/ago/2017/10/03/binutils-null-pointer-dereference-in-bfd_hash_hash-hash-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

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