



CVE-2017-12455

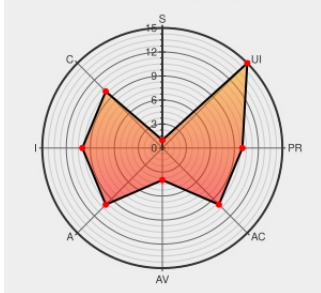
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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:30/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H



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

The `evax_bfd_print_emh` function in `vms-alpha.c` in the Binary File Descriptor (BFD) library (aka `libbfd`), as distributed in GNU Binutils 2.29 and earlier, allows remote attackers to cause an out of bounds heap read via a crafted vms alpha file.

CVE-2017-12455 has been assigned by [M](#) 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
21840 – Undefined behavior round 3	Issue Tracking Patch Third Party Advisory sourceware.org text/html	MISC sourceware.org/bugzilla/show_bug.cgi?id=21840

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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	Binutils	All	All	All	All
cpe:2.3:a:gnu:binutils:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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