



CVE-2017-14974

Published on: 10/01/2017 12:00:00 AM UTC

Last Modified on: 11/07/2023 02:39:00 AM UTC

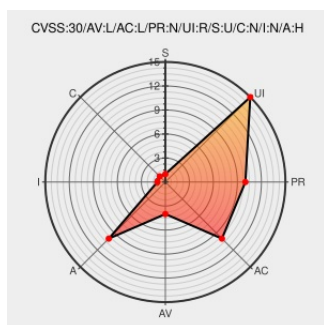
CVE-2017-14974

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



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

The `*_get_synthetic_symtab` functions in the Binary File Descriptor (BFD) library (aka libbfd), as distributed in GNU Binutils 2.29, mishandle the failure of a certain canonicalization step, which allows remote attackers to cause a denial of service (NULL pointer dereference and application crash) via a crafted ELF file, related to elf32-i386.c and elf64-x86-64.c.

CVE-2017-14974 has been assigned by [M](#) 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
sourceware.org Git - binutils-gdb.git/commit	Issue Tracking Patch Third Party Advisory	CONFIRM sourceware.org/git/gitweb.cgi?p=binutils-gdb.git;h=e70c19e3a4c26e9c1ebf0c9170d105039b56d7cf

[sourceware.org](#)[text/xml](#)

22163 – null pointer dereference in
elf_x86_64_get_synthetic_symtab, elf64-x86-64.c:6945
in binutils 2.29.1

[Issue Tracking](#)[Patch](#)[Third Party Advisory](#)[sourceware.org](#)[text/html](#)

 [CONFIRM sourceware.org/bugzilla/show_bug.cgi?id=22163](https://sourceware.org/bugzilla/show_bug.cgi?id=22163)

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

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 →](#)

© [CVE.report](#) 2023   |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)