Bug 25822 - Invalid read in process_symbol_table()

Status: RESOLVED FIXED

Alias: None

Product: binutils

Component: binutils (show other bugs)

Version: 2.35

Importance: P2 normal Target Milestone: 2.35 Assignee: Alan Modra

> URL: Keywords:

Depends on: Blocks: Reported: 2020-04-15 05:20 UTC by Manh-Dung Nguyen

Modified: 2020-04-15 09:35 UTC (History)

CC List: 1 user (show)

See Also: Host: Target: Build:

Last reconfirmed: 2020-04-15 00:00:00

Attachments	
PoC for an invalid read (6.63 KB, application/x-executable) 2020-04-15 05:20 UTC, Manh-Dung Nguyen	Details
Add an attachment (proposed patch, testcase, etc.)	View All

You need to $\underline{\log \text{ in}}$ before you can comment on or make changes to this bug.

Manh-Dung Nguyen 2020-04-15 05:20:39 UTC Description Created attachment 12457 [details] PoC for an invalid read Hi, An invalid read was discovered in readelf (the latest commit c98a454) in process_symbol_table(), that can cause a denial of service, via a crafted file. To reproduce: readelf -a PoC Thanks, Manh Dung

cvs-commit@gcc.gnu.org 2020-04-15 07:33:55 UTC

Comment 1

The master branch has been updated by Alan Modra <amodra@sourceware.org>:

https://sourceware.org/git/gitweb.cgi?p=binutils-gdb.git;h=001890e1f9269697f7e0212430a51479271bdab2

commit 001890e1f9269697f7e0212430a51479271bdab2

Author: Alan Modra <amodra@gmail.com> Date: Wed Apr 15 16:38:01 2020 +0930

PR25022, Invalid read in process_symbol_table

n. 25020
* readelf.c (get_num_dynamic_syms): Don't set num_of_syms when
reading buckets or chains fails.

Alan Modra 2020-04-15 09:35:17 UTC

Comment 2

Patch applied