Bug 93015 - [10 Regression] Segmentation fault (ipcp_store_vr_results(void))

Status: RESOLVED FIXED

Alias: None

Product: gcc

Component: ipa (show other bugs)

Version: 10.0

Importance: P3 normal Target Milestone: 10.0

Assignee: Martin Jambor

URL: Keywords:

Depends on: Blocks: Reported: 2019-12-19 17:11 UTC by 吳建興 Modified: 2020-01-03 13:43 UTC (History) CC List: 3 users (show)

See Also: Host:

Target: Build:

Known to work: Known to fail:

Last reconfirmed: 2019-12-19 00:00:00

Attachments

Add an attachment (proposed patch, testcase, etc.)

- Note

You need to log in before you can comment on or make changes to this bug.

```
吳建興 2019-12-19 17:11:17 UTC
                                                                                                                                            Description
g++ -fipa-vrp -fipa-pta -fipa-cp -flto ./hi.c
OUTPUT :
during IPA pass: cp
ltol: internal compiler error: Segmentation fault
0x268adb9 crash signal
./../.gcc/toplev.c:328
0x5394138 ipcp store_vr_results
./../.gcc/ipa-cp.c:5673
0x5394138 ipcp driver
.//.//gcc/ipa-cp.c:5752
Version:
g++ (GCC) 10.0.0 20191218 (experimental)
```

Jakub Jelinek 2019-12-19 19:50:33 UTC

Comment 1

Works fine with 6/7/8/9 branches, as it is on the ltol side, can't unfortunately bisect.

Martin Jambor 2019-12-20 09:29:21 UTC

Heh, ipcp_store_vr_results checks for flag_ipa_vrp but not for flag_ipa_cp or optimize, which means that it accesses info which has not been created. I suppose it's best to do what ipcp_store_bits_results does: if (!opt for fn (node->decl, flag_ipa_vrp))
if (!opt_for_fn (node->decl, flag_ipa_vrp) || !info) if (dump_file)
 fprintf (dump_file, "Not considering %s for VR discovery "

Martin Jambor 2019-12-20 15:46:38 UTC

Comment 3

I proposed a patch on the mailing list: https://gcc.gnu.org/ml/gcc-patches/2019-12/msg01451.html

Martin Jambor 2019-12-21 11:25:36 UTC

Comment 4

```
Author: jamborm
Date: Sat Dec 21 11:25:05 2019
New Revision: 279695
URL: https://gcc.gnu.org/viewcvs?rev=279695&root=gcc&view=revLog:
Avoid segfault when doing IPA-VRP but not IPA-CP (PR 92015)
2019-12-21 Martin Jambor <mjambor@suse.cz>
             * ipa-cp.c (ipcp_store_vr_results): Check that info exists
             testsuite/
* gcc.dg/lto/pr03015_0.c: New test.
Added:

trunk/gcc/testsuite/gcc.dg/lto/ex02015_0.c

Modified:

trunk/gcc/ChangeLog

trunk/gcc/ipa-cp.c

trunk/gcc/testsuite/ChangeLog
```

Martin Jambor 2020-01-03 13:43:54 UTC

Comment 5

Should be fixed now