

Open [1093]

Fixed [4231]

Invalid [9452]

Kernel Health

Bug Lifetimes

Fuzzing

Crashes

KASAN: use-after-free Read in cipso_v4_genopt

Status: [fixed on 2021/11/10 02:36](#)
Reported-by: syzbot+9ec037722d2603a9f52e@syzkaller.appspotmail.com
Fix commit: [ad5d07f4a9cd cipso,calipso: resolve a number of problems with the DOI refcounts](#) 1165affd4848 [net: mac802154: Fix general_protection fault](#)
First crash: 658d, last: 653d

Cause bisection: the issue happens on the oldest tested release ([bisection log](#))
Crash: [KASAN: use-after-free Read in cipso_v4_genopt](#) (log)
Repro: [C syz_config](#)

duplicates (1):

Title	Repro	Cause bisection	Fix bisection	Count	Last	Reported	Patched	Status
KASAN: use-after-free Write in cipso_v4_doi_putdef				2	654d	653d	0/24	closed as dup on 2021/03/05 07:49

Patch testing requests:

Created	Duration	User	Patch	Repo	Result
2021/03/04 11:31	13m	paskriplin@gmail.com		https://linux.g...	report log

Sample crash report:

```
=====
BUG: KASAN: use-after-free in cipso_v4_genopt+0x1078/0x1700 net/ipv4/cipso\_ipv4.c:1784
Read of size 1 at addr ffff8881437d5710 by task syz-executor557/8392

CPU: 1 PID: 8392 Comm: syz-executor557 Not tainted 5.12.0-rc1-syzkaller #0
Hardware name: Google Google Compute Engine/Google Compute Engine, BIOS Google 01/01/2011
Call Trace:
  dump_stack lib/dump\_stack.c:79 [inline]
  dump_stack+0x125/0x19e lib/dump\_stack.c:120
  print_address_description+0x5f/0x3a0 mm/kasan/report.c:232
  kasan_report mm/kasan/report.c:399 [inline]
  kasan_report+0x15e/0x210 mm/kasan/report.c:416
  cipso_v4_genopt+0x1078/0x1700 net/ipv4/cipso\_ipv4.c:1784
  cipso_v4_sock_setattr+0x7c/0x460 net/ipv4/cipso\_ipv4.c:1866
  netlbl_sock_setattr+0x28e/0x2f0 net/netlabel/netlabel\_kapi.c:995
  smack_netlbl_add security/smack/smack\_lsm.c:2404 [inline]
  smack_socket_post_create+0x13b/0x280 security/smack/smack\_lsm.c:2774
  security_socket_post_create+0x6f/0xd0 security/security.c:2122
  _sock_create+0x62f/0x8c0 net/socket.c:1424
  sock_create net/socket.c:1459 [inline]
  __sys_socket+0xde/0x2d0 net/socket.c:1501
  do_sys_socket net/socket.c:1510 [inline]
  se_sys_socket net/socket.c:1508 [inline]
  x64_sys_socket+0x76/0x80 net/socket.c:1508
```

Crashes (5):

Manager	Time	Kernel	Commit	Syzkaller	Config	Log	Report	Syz repro	C repro	VM info	Title
ci-upstream-kasan-gce-smack-root	2021/03/02 19:24	upstream	7a7fd0de4a98	92ea4295	.config	log	report	syz	C	info	KASAN: use-after-free Read in cipso_v4_genopt
ci-upstream-kasan-gce-smack-root	2021/03/03 19:25	upstream	f69d02e37a85	06e456cd	.config	log	report			info	KASAN: use-after-free Read in cipso_v4_genopt
ci-upstream-kasan-gce-smack-root	2021/03/02 14:30	upstream	7a7fd0de4a98	92ea4295	.config	log	report			info	KASAN: use-after-free Read in cipso_v4_genopt
ci-upstream-kasan-gce-smack-root	2021/02/27 22:34	upstream	8695e5161974	4c37c183	.config	log	report			info	KASAN: use-after-free Read in cipso_v4_genopt
ci-upstream-kasan-gce-smack-root	2021/02/26 10:56	upstream	2c87f7a38f93	76f7fc95	.config	log	report			info	KASAN: use-after-free Read in cipso_v4_genopt

* ~~Struck through~~ repros no longer work on HEAD.