Seeing some ftp related memleaks it seems with gitmaster - 4.1.0-dev (rev c60decd) on live traffic.

```
==1217==ERROR: LeakSanitizer: detected memory leaks

Direct leak of 64 byte(s) in 2 object(s) allocated from:
  #0 0x4bfdd0 in calloc (/usr/local/bin/suricata+0x4bfdd0)
  #1 0x629872 in FTPCalloc /home/pevman/tests/git/suricata/src/app-layer-ftp.c:154:11
  #2 0x62776b in FTPParseRequest /home/pevman/tests/git/suricata/src/app-layer-ftp.c:441:51
  #3 0x6638a3 in AppLayerParserParse /home/pevman/tests/git/suricata/src/app-layer-parser.c:1142:13
  #4 0x527985 in AppLayerHandleTCPData /home/pevman/tests/git/suricata/src/app-layer.c:635:17
  #5 0x62783a in FTPParseRequest /home/pevman/tests/git/suricata/src/app-layer-ftp.c:446:39
  #6 0x6638a3 in AppLayerParserParse /home/pevman/tests/git/suricata/src/app-layer-parser.c:1142:13
  #7 0x629872 in FTPCalloc /home/pevman/tests/git/suricata/src/app-layer-ftp.c:154:11
  #8 0x62776b in FTPParseRequest /home/pevman/tests/git/suricata/src/app-layer-ftp.c:441:51
  #9 0x6638a3 in AppLayerParserParse /home/pevman/tests/git/suricata/src/app-layer-parser.c:1142:13
  #10 0x629872 in FTPCalloc /home/pevman/tests/git/suricata/src/app-layer-ftp.c:154:11

Indirect leak of 80 byte(s) in 2 object(s) allocated from:
  #0 0x4bfdd0 in calloc (/usr/local/bin/suricata+0x4bfdd0)
  #1 0x629872 in FTPCalloc /home/pevman/tests/git/suricata/src/app-layer-ftp.c:154:11
  #2 0x62776b in FTPParseRequest /home/pevman/tests/git/suricata/src/app-layer-ftp.c:441:51
  #3 0x6638a3 in AppLayerParserParse /home/pevman/tests/git/suricata/src/app-layer-parser.c:1142:13
  #4 0x527985 in AppLayerHandleTCPData /home/pevman/tests/git/suricata/src/app-layer.c:635:17
  #5 0x62783a in FTPParseRequest /home/pevman/tests/git/suricata/src/app-layer-ftp.c:446:39
  #6 0x6638a3 in AppLayerParserParse /home/pevman/tests/git/suricata/src/app-layer-parser.c:1142:13
```
build-info attached.

Related issues:
- Related to Bug #3118: asan leaks with 5.0.0-dev (9e126b210 2019-08-07) - Closed
- Related to Bug #3378: ftp: asan detects leaks of expectations - Closed

History

#1 - 03/20/2018 05:45 AM - Victor Julien
- Assignee set to OISF Dev
- Target version set to TBD

No pcap I assume?

#2 - 03/20/2018 06:02 AM - Peter Manev
Unfortunately not. It happens on one of the live traffic test boxes and not all the time (every day).

#3 - 03/20/2018 07:31 AM - Eric Leblond
I've tried to play my FTP pcap sample by just looking at port 21 but no leak were seen. I was expecting a potential problem with the cleaning of expectation but it does not seem to be the case.

#4 - 03/24/2018 02:44 PM - Alexander Gozman
Eric Leblond wrote:

I've tried to play my FTP pcap sample by just looking at port 21 but no leak were seen. I was expecting a potential problem with the cleaning of expectation but it does not seem to be the case.

Could it be that AppLayerExpectationHandle() leaks memory? For instance (app-layer-expectation.c:310):

```c
exp->data = NULL;
exp = RemoveExpectationAndGetNext(ipp, pexp, exp, lexp);
continue;
```

The place looks strange to me, especially when exp->data is not NULLed below when cleaning up old entries. However I don't know all the details and may be wrong.

#5 - 05/07/2019 03:04 PM - Victor Julien
- Status changed from New to Assigned
- Assignee changed from OISF Dev to Jeff Lucovsky

Looks similar to https://github.com/OISF/suricata/pull/3827#discussion_r281012429
Victor Julien wrote:

Looks similar to https://github.com/OISF/suricata/pull/3827#discussion_r281012429

That was a different issue, caused by changes in the PR itself.

#7 - 09/22/2019 12:47 PM - Jeff Lucovsky
- Related to Bug #3118: asan leaks with 5.0.0-dev (9e126b210 2019-08-07) added

#8 - 12/07/2019 03:12 PM - Jeff Lucovsky
- Related to Bug #3378: ftp: asan detects leaks of expectations added

#9 - 05/26/2020 10:23 AM - Victor Julien
Is this still relevant? Anyone still observing it?

#10 - 05/26/2020 11:00 AM - Peter Manev
not me, not anymore.

#11 - 06/02/2022 08:26 PM - Victor Julien
- Status changed from Assigned to Closed
- Assignee deleted (Jeff Lucovsky)
- Target version deleted (TBD)

Files

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