Suricata - Feature #4244

performance testing configs repo

12/30/2020 04:13 PM - Peter Manev

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
<td>Peter Manev</td>
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<tr>
<td>Category:</td>
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<td>Target version:</td>
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<td>Effort:</td>
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<td>Difficulty:</td>
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**Label:**

**Description**

Master ticket. Open to suggestions.

We should be able to come up with a way to share configs and setups for performance testing. For example configs/pcaps for testing with pktgen, trex etc. Whatever can be public of course. I am thinking of a repo similar to suricata-verify and of course at the same time a repo that anyone can pull (or contribute to) and run a test and share results. This also could be related to specific performance corner cases and could be included in regular QA / per release/process etc.

**History**

#1 - 12/31/2020 09:54 AM - Peter Manev
- Assignee set to Peter Manev

Something like:

- folder structure per tool
- for each tool we could have
  - per test case (lets say 40G ISP traffic mix, 10G Corporate traffic mix, SMB/NFS/KRB5 mix, etc...)
  - readme explaining the test setup if needed, "how" to run, exact command lines, version of the tool used, link to redmine ticket
  - folder with a config
  - folder with example or needed pcaps
  - script (optional?) if needed to facilitate testing

#2 - 01/01/2021 10:34 AM - Peter Manev

Also add in custom.yaml if needed. One thing that can be made more detailed/explained is that those test cases are not "copy paste" production configs.

#3 - 01/01/2021 02:52 PM - Peter Manev

We might also need specific compile options per test: a debug/asan etc. One thing to be very careful about those settings is that it needs to be well controlled as they are quite heavy on performance and we might end up chasing our tails. Those will be specific cases where the config is not maxing out the testing setup but rather put enough pressure to expose certain waned or not wanted condition. (example rs_functions appearing in the top 20 on perf top)

#4 - 01/02/2021 10:17 AM - Peter Manev

Could be interesting to also add expected/recommended time duration of each test/config. It would also make sense i guess if all that info can be done in a structured format so that it can be picked up by a QA tool and used for a test in an automated fashion. (yaml/python config etc.) All the updates above I actually have done with "trex in mind" - so this could actually differ for another tool (ex pktgen).

#5 - 01/17/2021 05:56 PM - Peter Manev

sha256 sums of any pcaps provided should be included in the doc/config of each test as well.

#6 - 01/24/2021 08:42 AM - Peter Manev
Pre-run checks need to be done too - is everything that is supposed to be up is up, checksums match, versions match etc

#7 - 02/24/2021 07:06 PM - Corey Thomas

https://gitlab.oisf.net/dev/suricata-ci-trex