Benchmarking Methodology WG (BMWG)
November 15, 2017 | 15:50-17:50
Thursday Afternoon Session II - Room Bras Basah OPS

Remote Participation:
http://www.ietf.org/meeting/100/index/index.html
http://www.ietf.org/meeting/100/remote-participation.html

Note taker/Jabber Scribe: Sarah Banks

Introductions
Agenda
Work proposal summary matrix review

1. SDN Controller Draft update
Presenter: Sarah Banks

2. PBB/EVPN PBB Controller Draft
Presenter: Sarah Banks (on behalf of Sudhin Jacob)

- Want to ensure we have reviews on this draft
- Al proposed maybe having a second editor?
- (Sean Wu mentioned he'd worked on this draft in the past, maybe he can help?)

3. Network Service Layer Abstract Model
   Presenter: Sean Wu

   Q from Al Morton: Many of the elements we're looking at here are configuration values; look at the traffic profile, for example.
   A: yes

   Q from Sarah Banks: under the resources profile, are these the maximum values or are they configuration parameters?
   A: They are measurements collected after the test is run

   Q from Sarah Banks: Under traffic profile, are you going to allow for imix traffic mix?
   A: Yes, the intent here is to allow for emulation of realistic traffic patterns

   Q from Pedro: how do you plan to deal with data and benchmarking stuff. You must have an algorithm and some data to input, and then output; where do you find the data, how do think you would do this with your model?
   A: where is the data coming from, to be fed into the test lab? The model extracts a subset of the key elements, for example, we only tell the test lab, "…, and a 100,000 routes", but it might not

tell the test lab which router has which/how many routes. A test generator will use this data and then distribute into individual routers/elements.

Q from Sarah Banks: if you're saying you don't specify the value, how do you handle repeatability?
A: the profile will have a list of the elements, and the value itself, but our proposal here is to propose the skeleton test case and the tester fills in the data.

4. Updates to the Back to Back Frame Benchmark
   Presenter: Al Morton

   Q from Barak: What specifically are you testing?
   A: 1 buffer, 1 processing stage that bleeds off that stage.

   Q from ETRI: What is this work (from the summary/work proposal) about, virtualized platforms?
   A: That's the draft from Jacob Rapp & Co Author
   Q from ETRI : I plan on looking at benchmarking acceleration techniques, like DPDK
   A from Sarah: I'm very interested in seeing that work come into BMWG, thank you, we look forward to this.
   A from Al: Take a look at RFC 8204, it could help

5. Updated benchmarking for modern firewalls
   Presenter: Al Morton on behalf of the authors

Rechartering Discussion

- Any new proposals?
  - One previous option mentioned in the B2B Frame Benchmark
- From Al: the moongen traffic generator. Sensitivity in the results, specific to the generator, we think this comes from the packet streams that the generators are generating. This would be a sort of calibration test of the test tools themselves
  - Paul interested, Sarah Interested, Al interested, but Paul notes that this type of testing is very challenging
  - Potentially add a sentence to our draft charter to cover this calibration testing
- Al shared a draft of the potential rechartering text.

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EOM