

Benchmarking Methodology WG (BMWG)
MONDAY, July 22, 2019
1000-1200 (UTC-4) Morning Session I
Room Notre Dame ops bmgw

Remote Participation:
<https://www.ietf.org/how/meetings/105/Remote/>

0. Agenda Bashing

AI: Chairs need to update all of the milestones

1. WG Status (Chairs) (Brief status below)

There are many proposals for new work...

1a. Benchmarking Methodology for EVPN and PBB-EVPN

Presenter: Chairs: WGLC Determination

Related Draft:

<https://tools.ietf.org/html/draft-ietf-bmgw-evpntest-01>

AI: Sarah to call consensus for WGLC on the list; thanks to the authors for completing their action item and providing feedback to the chair

2. Charter and Milestones (Chairs)

3. Benchmarking Methodology for Network Security Device Performance

Early SecDir Review comments

Presenter: Carsten Rossenhoel

Related RFC: <https://tools.ietf.org/html/rfc3511>

Related Draft:

<https://tools.ietf.org/html/draft-ietf-bmgw-ngfw-performance-00>

Related Web page:

<https://www.netsecopen.org/>

<https://www.netsecopen.org/about>

4. Updates for Back-to-back Frame Benchmark & OPNFV Plugfest/VSPERF Testing

WG Adoption, then several comments on-list (Maciek and Vratko)

Presenter: Al Morton

Related Draft:

<https://tools.ietf.org/html/draft-ietf-bmgw-b2b-frame-00>

Background Slides with test results:

<https://wiki.opnfv.org/download/attachments/10293193/VSPERF-Dataplane-Perf-Cap-Bench.pptx?api=v2>

<https://wiki.opnfv.org/display/vsperf/Traffic+Generator+Testing>

- Q from AI: does anyone support the "real buffer time" input from Vratko?
- Sarah Banks: Putting it in the appendix might be good, but it's not sustainable and repeatable in a real world network
- Maciek: Agree with Sarah Banks
- AI: Let's discuss on the list

- Q from AI: Vratko asks for redefinition of 2 existing terms, what do others think?
- Sarah Banks: I don't see a reason to change these yet; can we ask on the list and see if there are compelling arguments to be made?
- Ask from Sarah: WG should put as many eyeballs as possible at the "noise" points in this draft, as update to RFC2544 section 26.4 will be required.

Continuing Proposals (topics may be added):

5. Probabilistic Loss Ratio Search for Packet Throughput (PLRsearch)

Presenter: Vratko Polak (presenter), Maciek Konstantynowicz (on the line as well)

Related Draft:

<https://tools.ietf.org/html/draft-vpolak-bmwg-plrsearch-02>

- Volunteers to read the draft: Tim from UNH

6. Multiple Loss Ratio Search for Packet Throughput (MLRsearch)

(includes test results from FD.io CSIT)

Presenter: Vratko Polak (on list), Maciek Konstantynowicz (presenter)

Related Draft:

<https://tools.ietf.org/html/draft-vpolak-mkonstan-bmwg-mlrsearch-02>

- Comment from AI: let's keep comments and changes on the list; open to a mix of them
- Maciek: Will keep relaying comments to draft from LFN FD.io CSIT gerrit to the list.
- Volunteers to review the draft : Wangbong Lee from ETRI

7. Considerations for Benchmarking Network Performance in Containerized Infrastructures

Comments from Last meeting (and on-list?) addressed

Presenter: Hyunsik Yang

Related Draft:

<https://tools.ietf.org/html/draft-dcn-bmwg-containerized-infra-01>

- Al Morton: Dealing with a NUMA-agnostic situation for deployment - that has a big impact on performance. I want to refer you to the testing we did in the Hypervisor/VM world in OPNFV. All of that work has been adopted TS009 (ETSI) - a new version coming in June.
- Maciek: Volunteering to review the new version of the draft, may be some relationship to the other draft he has in the WG (nf-service-density draft)

8. Methodology for VNF Benchmarking Automation

Presenter: Raphael Rosa (remote)

Related Draft:

<https://tools.ietf.org/html/draft-rosa-bmwg-vnfbench-04>

Related Publication: (IEEE Comm Mag)

<https://www.dropbox.com/s/n9niziuhi648scj/2017-rosa-taking.pdf?dl=0>

Slides: https://docs.google.com/presentation/d/1_G4VMU1wtXuDDTv-vv-qaqBGxgGW-bhi54xGNZYcs4E10/edit?usp=sharing

- Maciek: volunteering for draft review.
- Timothy Carlin (UNH-IOL): Will look at installing/using/reviewing tool

9. NFV Service Density Benchmarking

Presenter: Maciek Konstantynowicz (remote)

Related Draft:

<https://tools.ietf.org/html/draft-mkonstan-nf-service-density-01>

- Al Morton: there are already good metrics in TEST-009 (ETSI NFV), that could be used here in this work, rather than renamed.
- Reviewers? Raphael Rosa signed up

10. Benchmarking Methodology for EVPN Multicasting

date changed

Presenter: Sudhin Jacob

Related Draft:

<https://tools.ietf.org/html/draft-vikjac-bmwg-evpnmultest-02>

No questions

11. Benchmarking Methodology for EVPN VPWS

not presented at -104, date changed

Presenter: Sudhin Jacob

Related Draft:

<https://tools.ietf.org/html/draft-kishjac-bmwg-evpnpwstest-02>

- Comment from chairs: please share the draft with the BESS list, and/or get a slot at the next IETF meeting to discuss your draft, get reviews and feedback

12. Benchmarking Methodology for EVPN Multihoming Restor. & Mass Withdrawal

Comments on-list resolved

Presenter: Al Morton

Related Drafts:

<https://tools.ietf.org/html/draft-morton-bmwg-multihome-evpn-02>

<https://tools.ietf.org/html/rfc8317>

- Sudhin will send his comments to the list.

NEW Proposals:

13. 5G transport network benchmarking

Presenter: Luis M. Contreras

Related Draft:

<https://tools.ietf.org/html/draft-contreras-bmwg-5g-00>

- Q from Will, Huawei: read the draft, 5G service is a large topic, would suggest to limit the scope to some smaller subset of topics. for example, 5G slicing
- Comment from Sarah: why is benchmarking 5G networks different than how you benchmarked 4G/LTE networks? Even if it's just a post to the list, that would be helpful to understand

14. FYI - A YANG Data Model for Network Interconnect Tester Management

Author: Vladimir Vassilev (Presented this time?)

Related Draft: <https://tools.ietf.org/html/draft-vassilev-bmwg-network-interconnect-tester-00>

- Did not discuss in room

LAST. AOB
