

Wednesday, November 20, 2019 (UTC+08)
13:30-15:00 Wednesday Afternoon session I
Room Hullet ops bmwg

Remote Participation:

<https://www.ietf.org/how/meetings/106/Remote/>

PLEASE READ THE DRAFTS !!!!

0. Agenda Bashing

Manuel Peuster presents instead of Raphael.

1. WG Status (Chairs)

(Brief status below)

There are many proposals for new work...

AI: Chairs to update Milestones in January 2020

Milestones on track

Supplementary BMWG page: <http://bmwg.encrypted.net>

BMWG not in standards track, but informational.

1. Benchmarking Methodology for EVPN and PBB-EVPN

Presenter:

Chairs: WGLC Determination

Related Draft:

<https://tools.ietf.org/html/draft-ietf-bmwg-evpntest-03>

Status: Sent through for publication

2. Charter and Milestones (Chairs)

3. Benchmarking Methodology for Network Security Device Performance

Early SecDir Review comments

Presenter: Tim Winters (Carsten Rossenhoevel is a remote participant)

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

Related Draft: <https://tools.ietf.org/html/draft-ietf-bmwg-ngfw-performance-01>

Related Web page:

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

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

New draft posted yesterday.

Q from Al: How are we going to transfer the discussions to the BMWG list?

A from Presenter: Changelog is made, could share this to the list. We will be clear when we make changes to the draft.

Q from Al: It's a chance to get additional input on these items. We understand you might want to anonymize the equipment being tested, but we want clear measurements and ensures multi device equivalent measurements

A: Changes are seen in Git, you can see those there.

Q from AL: When there are decisions to be made, you might be at the point where you can check in with BMWG

A: Yes, makes sense, will do.

Comment from Carsten: I don't expect a lot more of changes. I'd like to try and progress the draft to Last Call

Al: Thank you for the comments, I think we need to see some discussions on the list so we can move the draft to WGLC

Carsten: OK so is that the only pre condition?

Sarah: Bringing the conversation to the list, having a discussion there and some reviews, allows the chairs to call consensus and assumingly move this to WGLC at that time.

Carsten/Tim: OK

4. Back-to-back Frame Benchmark & OPNFV Plugfest/VSPERF Testing WG Adoption, ***then several comments on-list (Maciek, Vratko, Tim)***

Presenter: Al Morton

Related Draft: <https://tools.ietf.org/html/draft-ietf-bmwg-b2b-frame-01>

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>

Sarah: in RFC2544 -- std deviation MAY be recorded, here it is stated as SHOULD.

Al: SHOULD is the ambition here.

Continuing Proposals (topics may be added):

5. Methodology for VNF Benchmarking Automation

Presenter: Manuel Peuster

Comments on-list resolved(?)

Related Draft: <https://tools.ietf.org/html/draft-rosa-bmwg-vnfbench-05>

Related Work:

[1] <https://github.com/raphaelvrosa/vnf-bench-model/tree/master/vnf-br/yang>

[2] <https://github.com/raphaelvrosa/vnf-bench-model/tree/master/experiments>

Related Publication: (IEEE Comm Mag)

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

Manuel: how to add the YANG models with the main document?

Vlad: draft relevant. First point: Help needed for the YANG models, review and refactoring. I can join the discussion for helping on this. Second point: Easy to add YANG code to the draft.

Al: good place to start is YANG models for traffic generation.

Sarah: Testing results. what is the difference here?

Manuel: difference is on absolute numbers (different HW). Traces are the same. Results seems to be the same, but dependence on virtualization infrastructure. Needs to be confirmed.

Sarah: necessary to confirm we can run the same test over and over and getting comparable results. Have focus on this for Vancouver meeting.

Manuel: Ok, this is one of our main focus now.

Al: we will appreciate a presentation on results for Vancouver.

Manuel: tested http proxy, load balancers, IoT-like functions, etc. for checking different network functions to ensure this approach can be general

Al: having such variability it would be good to have insights on metrics from some of this network functions

Al: Sarah and Vlad will review and share feedback on list

Al: Let's have the reviews done so that we can move forward in adopting the draft

6. Considerations for Benchmarking Network Performance in Containerized Infrastructures Results from Hackathon, Updated Draft

Presenter: Wangbong Lee

Related Draft: <https://tools.ietf.org/html/draft-dcn-bmwg-containerized-infra-03>

Al: relevant topic. No one talk about performance except for loading images.

Consideration of troubleshooting set-ups would be nice to have

Sarah: I would like to see the output of the hackathon. Capturing things learned, best practices, etc., is helpful. We see huge differences depending on the setup used.

Wangbong: Yes, it makes sense.

Al: Slides from the hackathon shared. I encouraged to use the hackathon as experience exchange.

7. A YANG Data Model for Network Interconnect Tester Management

Author: Vladimir Vassilev

First presentation and Results from Hackathon

Related Draft: <https://tools.ietf.org/html/draft-vassilev-bmwg-network-interconnect-tester-02.txt>

Al: How does this fit in a complete turnkey test device? We often want to run a number of tests in automated way.

Vlad: Not difficult to implement the search algorithm.

Carsten: relationship of this draft and test methodologies RFCs? Main problem not only configuration but also porting formats (how to get the results).

Vlad: YANG is a base for adding more complicated protocols and mechanisms.

RFC2544 is stateless, but stateful proposals could be added.

Sarah: take this out to the list, we are out of time.

8. 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-03>

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

We did not get to this

IF Time allows:

9. 5G transport network benchmarking

Presenter: Luis M. Contreras

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

Benchmarking and the CNTT (Common NFVI Telco Taskforce)

A key Industry Initiative where Benchmarking is part of the solution

Presenter: Al Morton

We did not get to this.

LAST. AOB
