Benchmarking Methodology WG (bmwg)  
IETF 106

• Wednesday, November 20, 2019  
  (1330-1530 (UTC+8) Afternoon Session I)

• Chairs:
  – Al Morton (acm(at)research.att.com)
  – Sarah Banks (sbanks(at)encrypted.net)
  – PLEASE MOVE CLOSE TO THE FRONT

• If you are not subscribed to the BMWG mailing list and would like to be, please go to https://www.ietf.org/mailman/listinfo/bmwg
Note Well

We work as Individuals, and try to be nice to each other.

(as of March 2018)

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

• BCP 9 (Internet Standards Process)
• BCP 25 (Working Group processes)
• BCP 25 (Anti-Harassment Procedures)
• BCP 54 (Code of Conduct)
• BCP 78 (Copyright)
• BCP 79 (Patents, Participation)
• https://www.ietf.org/privacy-policy/ (Privacy Policy)
BMWG Agenda

(Any Bashing needed?)

Note-Taker(s), Jabber, IPR, Blue Sheets

1. WG Status (Chairs)
   1a. Benchmarking Methodology for EVPN and PBB-EVPN Status
2. Charter and Milestones (Chairs)
4. Updates for Back-to-back Frame Benchmark  Presenter: Al M

Continuing Proposals:
5. Methodology for VNF Benchmarking Automation  Presenter: Raphael Rosa
6. Considerations for Benchmarking Network Performance in Containerized Infra. Wangbong Lee
7. A YANG Data Model for Network Interconnect Tester Management  Presenter: Vladimir Vassilev

NEW Comments (If time available)
9. NFV Service Density Benchmarking  Presenter: Maciek Konstantynowicz (remote) or Al standing-in
10. Benchmarking and the CNTT (Common NFVI Telco Taskforce)  A key Industry Initiative where Benchmarking is part of the solution  Presenter:  Al Morton

LAST. AOB
Quick WG Status

• B2B Frame Benchmarking Adopted

• Proposals keep coming:
  – Network Virtualization Platforms, VNF Benchmarking
  – New EVPN Proposals
  – Search Algorithms
  – Service Density
  – Container Implementation Testing
  – 5G Transport Network
  – YANG Data Model for Tester Mgmt
Current Milestones

Aug 2018 - Methodology for Next-Gen Firewall Benchmarking to IESG Review
Dec 2018 - Update to RFC2544 Back-to-back Frame Benchmarking to IESG Review
Dec 2018 - Methodology for EVPN Benchmarking to IESG Review
Dec 2018 - Draft on Selecting and Applying Model(s) for Benchmarking to IESG Review
Dec 2018 - Draft on General VNF Benchmarking Automation to IESG Review
Dec 2018 - Considerations for Benchmarking Network Virtualization Platforms to IESG Review
BMWG Activity

- New RFCs:
  - None!
- Charter Update
  - DONE!
- Supplementary BMWG Page
  - http://bmwg.encrypted.net/
Benchmarking activities as described in this memo are limited to technology characterization using controlled stimuli in a laboratory environment, with dedicated address space and the constraints specified in the sections above.

The benchmarking network topology will be an independent test setup and MUST NOT be connected to devices that may forward the test traffic into a production network, or misroute traffic to the test management network.

Further, benchmarking is performed on a "black-box" basis, relying solely on measurements observable external to the DUT/SUT.

Special capabilities SHOULD NOT exist in the DUT/SUT specifically for benchmarking purposes. Any implications for network security arising from the DUT/SUT SHOULD be identical in the lab and in production networks.
BACKUP
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