Benchmarking Methodology WG (BMWG)
IETF 121 Dublin

- Thursday, November 7, 2024
- 09:30 – 11:30 local time (Dublin, GMT)

  Alternate times: 9:30-11:30 UTC, 01:30-03:30 PST, 10:30-12:30 CET
- Chairs:
  - Sarah Banks (sbanks(at)encrypted.net)
  - Giuseppe Fioccola (giuseppe.fioccola(at)huawei.com)

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

Note Well

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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)

Note Really Well

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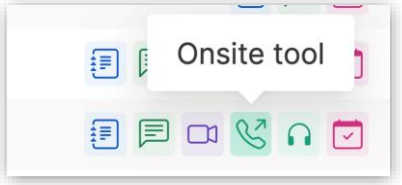
IETF 121 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
  - join the mic queue
  - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Note taker(s): please help to take notes. Everyone is welcome to help! Any Volunteers?

- You can find the note taking tool on the Meetecho client or on the Datatracker.

This session is being recorded

BMWG Agenda (any bashing needed?)

Administrative and WG Status

- 1 Chairs' slides, 5 min

WG Drafts

- 2.1 Multiple Loss Ratio Search, Maciek Konstantynowicz and Vratko Polak, 20 min
  draft-ietf-bmwg-mlrsearch
- 2.2 A YANG Data Model for Network Tester Management, Vladimir Vassilev, 10 min
  draft-ietf-bmwg-network-tester-cfg
- 2.3 Considerations for Benchmarking Network Performance in Containerized Infrastructures, Minh-Ngoc Tran, 15 min
  draft-ietf-bmwg-containerized-infra
- 2.4 Benchmarking methodology for Segment Routing, Paolo Volpato, 10 min
  draft-ietf-bmwg-sr-bench-meth

Proposals

- 3.1 Recommendations for using Multiple IP addresses in Benchmarking Tests, Gabor Lencse, 10 min
  draft-lencse-bmwg-multiple-ip-addresses
- 3.2 SRv6 Service Benchmarking Guideline, Xuesong Geng, 10 min
  draft-geng-bmwg-srv6-service-guideline
- 3.3 Benchmarking Methodology for Source Address Validation, Libin Liu, 10 min
  draft-chen-bmwg-savnet-sav-benchmarking
- 3.4 Calibration of Measured Time Values between Network Elements, Luis M. Contreras, 10 min
  draft-contreras-bmwg-calibration
- 3.5 Characterization and Benchmarking Methodology for Power in Networking Devices, Romain Jacob, 10 min
  draft-cprjgf-bmwg-powerbench

Presentations

AOB

BMWG Status

- Documents preparing for the WGLC
  - Multiple Loss Ratio Search (draft-ietf-bmwg-mlrsearch)
  - YANG Data Model for Network Tester Management (draft-ietf-bmwg-network-tester-cfg)
- Documents recently adopted
  - Benchmarking methodology for Segment Routing (draft-ietf-bmwg-sr-bench-meth)
- Proposals with some discussion on the mailing list
  - Recommendations for using Multiple IP addresses in Benchmarking Tests (draft-lencse-bmwg-multiple-ip-addresses)
  - SRv6 Service Benchmarking Guideline (draft-geng-bmwg-srv6-service-guideline)
  - Benchmarking Methodology for Source Address Validation (draft-chen-bmwg-savnet-sav-benchmarking)
- Proposals keep coming
  - Characterization and Benchmarking Methodology for Power in Networking Devices (draft-cprjgf-bmwg-powerbench)
  - Calibration of Measured Time Values between Network Elements (draft-contreras-bmwg-calibration)
- Test results are always welcome

Reviewers always needed!

It's a two-way street – Your work is adopted, completed, and published as an RFC when the participants of the Working Group read other drafts, review, and share their feedback on the list and at meetings.

BMWG Activity

- I-D submitted to IESG (RFC Ed Queue)
  - draft-ietf-bmwg-benchmarking-stateful: Benchmarking Methodology for Stateful NATxy Gateways using RFC 4814 Pseudorandom Port Numbers
- WGLC to be started:
  - draft-ietf-bmwg-mlrsearch: Multiple Loss Ratio Search
- Possible Candidates for WG Adoption:
  - draft-lencse-bmwg-multiple-ip-addresses: Recommendations for using Multiple IP addresses in Benchmarking Tests
  - draft-geng-bmwg-srv6-service-guideline: SRv6 Service Benchmarking Guideline
- Milestone to update
  - Multiple Loss Ratio Search
- Last RFC published:
  - RFC 9411 in 2023
- Charter Update
  - Stable
- Supplementary BMWG Page
  - http://bmwg.encrypted.net/

Milestones

DONE	Methodology for Next-gen Firewall Benchmarking to IESG Review
DONE	Update to RFC2544 Back-to-back Frame Benchmarking to IESG Review
DONE	Methodology for EVPN Benchmarking to IESG Review
Aug 2023	Draft on Selecting and Applying Model(s) for Benchmarking to IESG Review
Dec 2023	Considerations for Benchmarking Network Virtualization Platforms to IESG Review
Apr 2024	Benchmarking for Stateful NATxy Gateways using RFC 4814 Pseudorandom Port Numbers to IESG Review

New milestones on “Multiple Loss Ratio Search” and on “YANG Data Model for Network Tester Management” after IETF 121