DetNet WG
IETF 113
Vienna / Hybrid

Chairs:

Lou Berger   lberger@labn.net

János Farkas   janos.farkas@ericsson.com

Secretary:

Ethan Grossman   ethan@ieee.org

In Room Coordinator:

Luis Miguel Contreras Murillo luismiguel.contrerasmurillo@telefonica.com

Online Agenda and Slides at:

https://datatracker.ietf.org/meeting/113/session/detnet

WG Information: https://datatracker.ietf.org/wg/detnet/

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IETF Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

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)

Also see: http://www.ietf.org/about/note-well.html

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IETF Conduct Guidelines

- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:

  1. IETF participants extend respect and courtesy to their colleagues at all times.
  2. IETF participants have impersonal discussions.
  3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
  4. Individuals are prepared to contribute to the ongoing work of the group.

IETF 113 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the "onsite tool" client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- ***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

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Meeting Administrativia

- Meetecho
  - Using meetecho queue control
  - Chat/Jabber available for use
  - Blue sheets
- Note taking
  - https://codimd.ietf.org/notes-ietf-113-detnet
  - Please help with minute taking (only discussion needs to be captured)
- Online Agenda and Slides at:
  https://datatracker.ietf.org/meeting/113/session/detnet
- Data tracker: http://datatracker.ietf.org/wg/detnet/
- Jabber: xmpp:detnet@jabber.ietf.org?join

IETF 113 Sessions

- **Tuesday, March 22, Afternoon session II**
  o 14:30-16:30 (CET, UTC+1) – 13:30-15:30 (UTC)

- **Joint Session with PALS and MPLS on Thursday, March 24, Morning session I**
  o 10:00-12:00 (CET, UTC+1) – 9:00-11:00 (UTC)

Agenda

- **#1 14:30 20 Title: Intro, WG Status, Charter, Draft Status**
  - Presenter: Chairs
- **#2 14:50 10 Title: ITU-T Q6/13 recommendation progress**   liaison [received](#) / [sent](#)
  - Presenter: Taesang Choi
- **#3 15:00 10 Title: DetNet Controller Plane Framework**
  - Presenter: Xuesong Geng
    https://datatracker.ietf.org/doc/html/draft-ietf-detnet-controller-plane-framework-01
- **#4 15:10 10 Title: OAM for DetNet MPLS Data Plane**
  - Presenter: Greg Mirsky
    Draft: https://datatracker.ietf.org/doc/html/draft-ietf-detnet-mpls-oam-07
- **#5 15:20 10 Title: OAM for DetNet IP Data Plane**
  - Presenter: Greg Mirsky
    Draft: https://datatracker.ietf.org/doc/html/draft-ietf-detnet-ip-oam-04
- **#6 15:30 5 Title: DetNet Packet Ordering Function**
  - Presenter: Balázs Varga
    Draft: https://datatracker.ietf.org/doc/html/draft-varga-detnet-pof-02
- **#7 15:35 10 Title: IPv6 Options for DetNet**
  - Presenter: Pascal Thubert
    Draft: https://datatracker.ietf.org/doc/html/draft-pthubert-detnet-ipv6-hbh-07
- **#8 15:45 10 Title: Requirements for Large-Scale Deterministic Networks**
  - Presenter: Peng Liu
    Draft: https://datatracker.ietf.org/doc/html/draft-liu-detnet-large-scale-requirements-01
- **#9 15:55 10 Title: Data Plane - MPLS TC Tagging for Cyclic Queuing and Forwarding**
  - Presenter: Toerless Eckert
    Draft: https://datatracker.ietf.org/doc/html/draft-eckert-detnet-mpls-tc-tcqf-01
- **#10 16:05 10 Title: Deadline Based Deterministic Forwarding**
  - Presenter: Shaofu Peng
    Draft: https://datatracker.ietf.org/doc/html/draft-peng-detnet-deadline-based-forwarding-01
- **#11 16:15 10 Title: One-way Delay Measurement Based on Reference Delay**
  - Presenter: Kehan Yao
    Draft: https://datatracker.ietf.org/doc/html/draft-lyy-detnet-ref-delay-measurement-00
- **#12 16:25 10 Title: PCEP Extension for DetNet Bounded Latency**
  - Presenter: Quan Xiong
    Draft: https://datatracker.ietf.org/doc/html/draft-lyy-detnet-pce-detnet-bounded-latency-00

WG Status

- ## Publication requested

draft-ietf-detnet-bounded-latency-09 **DetNet Bounded Latency**	2022-02-16 31 pages	Waiting for Writeup Submitted to IESG for Publication: Informational Reviews: artart, genart, intdir, opsdir, rtgdir, secdir, tsvart
draft-ietf-detnet-yang-16 **DetNet YANG Data Model**	2022-02-05 135 pages	Publication Requested 269 days Submitted to IESG for Publication: Proposed Standard Reviews: yangdoctors

- ## Newly Adopted

https://datatracker.ietf.org/doc/html/draft-ietf-detnet-mpls-over-ip-preof-00

Deterministic Networking (DetNet): DetNet PREOF via MPLS over UDP/IP

- ## Not on agenda

draft-ietf-detnet-oam-framework-05 **Framework of Operations, Administration and Maintenance (OAM) for Deterministic Networking (DetNet)**	2021-10-14 16 pages	I-D Exists WG Document

Reminder: IPR Disclosure Process

- We follow process put in place in other groups as a result of very late IPR disclosures
  - This is not a required IETF process
- Includes

  Polling of draft authors & contributors:

  1. Prior to moving to next step in WG process
     a. Before an individual draft becomes a WG document and
     b. Before a WG document goes to last call
  2. Requires IPR compliance statement from **all** listed in draft

- New Step:
  - Request that an IPR statement be sent to the list by any new author or contributor when added to a WG document

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Progressing Work

- Utilize the mailing list!
  - Working Group consensus is determined on the mailing list
  - Mailing list is to be used for WG decision making and discussions
    - Resolving open issues
    - Reviewing changes to WG documents
    - Introducing new drafts
    - Potential new Working Group topics
- Virtual meetings
  - Virtual interims can be scheduled as needed
    - Periodically, or as needed to cover a specific topic WG members can make requests to chairs
- Informal (working) meetings
  - WG WebEx is available WG members can make requests to chairs/secretary
  - These meetings will be announced on the WG list

Charter Update

- OLD
  - Data plane: This work will document how to use IP and/or MPLS, and related OAM, to support a data plane method of flow identification and packet forwarding over Layer 3. Other IETF defined data plane technologies may also be used.

- NEW
  - Data plane: This work will document how to use IP and/or MPLS, and related OAM, to support a data plane method of flow identification and packet **treatment (including forwarding, service protection, and queuing)** over Layer 3. Other IETF defined data plane technologies may also be used.

Milestones Update

- **March 2022** Submit DetNet first IP OAM document
- **April 2023**   Submit controller plane framework
- **July 2022**   Submit OAM framework for publication
- **Apr 2022**   Adopt Enhanced DetNet Data Plane Requirements document
- **Jul 2022**   Adopt first Enhanced DetNet Data Plane solution document
- **Dec 2022**   Submit Enhanced DetNet Data Plane Requirements document for publication
- **June 2023** Submit first Enhanced DetNet Data Plane solution document for publication

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