DetNet WG
IETF 123
Madrid

Chairs:

Lou Berger lberger@labn.net

János Farkas janos.farkas@ericsson.com

Secretary:

Eve Schooler eve.schooler@gmail.com

Online Agenda and Slides at:
https://datatracker.ietf.org/meeting/123/session/detnet

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

This session is being recorded

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

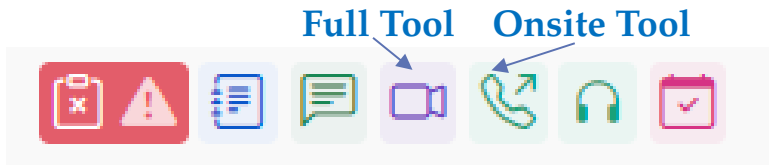
This session is being recorded

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.

This session is being recorded

IETF 123 Meeting Tips



- **In-person participants**
  - Make sure to sign into the session using the Meetecho Onsite Tool 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

This session is being recorded

Meeting Administrativia

- Meetecho
  - Using meetecho queue control
  - Chat/Jabber available for use
  - Blue sheets
- Note taking
  - https://notes.ietf.org/notes-ietf-123-detnet?both
  - Please help with minute taking (only discussion needs to be captured)
- Online Agenda and Slides at: https://datatracker.ietf.org/meeting/123/session/detnet
- Data tracker: http://datatracker.ietf.org/wg/detnet/
- Chat: https://zulip.ietf.org/#narrow/stream/detnet

This session is being recorded

Agenda

01) Intro, WG Status, Draft Status
02) Dataplane Enhancement Taxonomy
03) Latency Guarantee with Stateless Fair Queuing
04) Deadline Based Deterministic Forwarding
05) Timeslot Queueing and Forwarding Mechanism
06) On-time Forwarding with Push-In First-Out (PIFO)queue
07) Non-work Conserving Stateless Core Fair Queuing
08) Classification discuss TCQF, GLBF, flow-interleaving
09) Enhanced Use Cases for Scaling Deterministic Networks
10) Data Fields for DetNet Enhanced Data Plane
11) Deterministic Networking SRv6 Data Plane
12) Path Computation Based on Precision Availability Metrics
13) Report on DetNet related hackathon project
Adjourn: 16:30

Reminder

- WG Authors: please focus on
  a) Changes from last meeting
  b) Plans to complete the document
  c) Please keep to scheduled time, including discussion.

- Non-WG documents: please focus on
  a) What area of the WG charter is addressed by the draft
  b) For new drafts, a summary of technical details
     for old drafts, what has changed
  c) Next step or what is needed from the WG

WG Status

- Publication requested
  - draft-ietf-raw-technologies-17 – Reliable and Available Wireless Technologies (In editor queue)
  - draft-ietf-raw-architecture-21 – Reliable and Available Wireless Architecture (IESG evaluation)
  - draft-ietf-detnet-controller-plane-framework-07 – Controller Plane Framework (scheduled for thelechat)
- WG last call
  - None
- Recent adoption
  - None
- Candidate for adoption
  - None – expecting to discuss enhanced data plane solutions in meeting

This session is being recorded

WG Status

- Not on agenda
  - draft-ietf-detnet-scaling-requirements-06
    Requirements for Scaling Deterministic Networks <=== gated by solutions work
  - draft-ietf-detnet-topology-yang-02 <=== Last update: 25-03-02
    Deterministic Networking (DetNet) Topology YANG Model
- Expired (planning on marking these as dead post meeting)
  - draft-ietf-detnet-raw-industrial-req-01 <=== Last update: 24-07-08
    Requirements for Reliable Wireless Industrial Services
  - draft-ietf-raw-framework-02 <=== Last update: 23-09-13
    Reliable and Available Wireless Framework

This session is being recorded

Liaisons Statements Received

- Received

2025-04-16	ITU-T-SG-13	LS/r on work items related to deterministic networking in SG13 (reply to IETF DETNET-LS1)	For action: 2025-07-31
… ITU-T SG13 Q6 would welcome closer cooperation with IETF and IEEE on the topics of deterministic networking and time-sensitive networking … With regard to the specific draft recommendation Y.qos-det-intwk-wan, please find attached a gap analysis prepared by the contributors of this work item, as well as the current draft Recommendation. Your views on this gap analysis would be greatly appreciated.….			

- Sent
  - None

This session is being recorded

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
  3. Request that an IPR statement be sent to the list by any new author or contributor when added to a WG document

This session is being recorded

Reminder: Document Status

- We ask authors of all WG document to provide a status update to the WG at *every* IETF meeting
  - Status includes, at a minimum, recent changes, open issues, and plan to complete document
  - Via:
    - (a) A report during the IETF session
    - (b) An e-mail to WG list, sent no later than the Internet-Draft submission cut-off

This session is being recorded

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
  - Meetecho is available **<==** WG members can make requests to chairs/secretary
  - These meetings will be announced on the WG list

This session is being recorded

DetNet – TSN Workshop

- Tomorrow – July 26 Saturday
- Meeting room: El Escorial
- URL: https://1.ieee802.org/2025-07-26-detnet-tsn-workshop/

Slot		Start Time	Duration	Topic
14:00-16:00 (CEST)	**PM1**			
	#1	14:00	10	Administrativia, incl.: IEEE 802.1 Intro, IEEE SA patent policy, copyright policy, and participation, IMAT
	#2	14:10	10	Meeting Introduction and Objectives
	#3	14:20	30	TSN Update (incl. wireless)
	#4	14:50	30	DetNet Update (incl. wireless)
	#5	15:10	25	Requirements for Scaling Deterministic Networks (draft-ietf-detnet-scaling-requirements-08)
	#6	15:35	25	DetNet Dataplane Enhancement Taxonomy (draft-ietf-detnet-dataplane-taxonomy-03)
16:00-16:30 (CEST)	*recess*			
16:30-18:30 (CEST)	**PM2**			
	#7	16:30	20	Experiments on Combination of DetNet and TSN
	#8	16:50	20	eBPF for TSN and DetNet
	#9	17:10	20	Experimenting Deterministic Communication Services on the Operator Side
	#10	17:30	20	Enabling DetNet multi-domain: Some results, lessons learned and future work items from collaborative projects
	#11	17:50	30	open mic
	#12	18:20	10	wrap up

This session is being recorded