

DetNet WG

IETF 118

Prague

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Online Agenda and Slides at:

<https://datatracker.ietf.org/meeting/118/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>

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 118 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

Meeting Administrivia

- Meetecho
 - Using meetecho queue control
 - Chat/Jabber available for use
 - Blue sheets
- Note taking
 - <https://notes.ietf.org/notes-ietf-118-detnet?both>
 - Please help with minute taking (only discussion needs to be captured)
- Online Agenda and Slides at:
<https://datatracker.ietf.org/meeting/118/session/detnet>
- Data tracker: <http://datatracker.ietf.org/wg/detnet/>
- Chat: <https://zulip.ietf.org/#narrow/stream/detnet>

IETF 118 Sessions

- DetNet Session 1: MONDAY, November 6, 2023 -- Session III
 - 15:30-17:00 CET (14:30-16:00 UTC)
 - Ballroom
- DetNet Session 2: WEDNESDAY, November 8, 2023 -- Session I
 - 09:30 - 11:30 CET (08:30 - 10:30 UTC)
 - Congress Hall 1

Agenda

- Please see: <https://notes.ietf.org/notes-ietf-118-detnet>
- 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

- New RFCs
 - None
- Publication requested
 - [draft-ietf-detnet-yang-18](#) <== Publication Requested (with AD)
Deterministic Networking (DetNet) YANG Model
 - [draft-ietf-detnet-oam-framework-09](#) <== Publication Requested (with AD)
Framework of Operations, Administration and Maintenance (OAM) for Deterministic Networking (DetNet) Authors: please ensure reviews are addressed
 - [draft-ietf-detnet-mpls-oam-13](#) <== Publication Requested (with AD)
Operations, Administration and Maintenance (OAM) for Deterministic Networks (DetNet) with MPLS Data Plane Authors: please ensure reviews are addressed
 - [draft-ietf-detnet-pof-04](#) <== Publication Requested – revision needed
 - [draft-ietf-detnet-mpls-over-ip-preof-07](#) <== Publication Requested – revision needed
 - [draft-ietf-detnet-ip-oam-07](#) <== Publication Requested – revision needed
- Post WG last call
 - None
- In WG last call
 - None
- Recent adoption
 - None
- Candidate for adoption
 - None

WG Status

- On agenda
 - Ongoing open working meetings on [enhanced DetNet data plane](#)
 - [draft-ietf-detnet-scaling-requirements-04](#)
Requirements for Scaling Deterministic Networks
 - [draft-ietf-raw-architecture-16](#)
Reliable and Available Wireless Architecture
- Not on agenda
 - [draft-ietf-detnet-controller-plane-framework-05](#)
Deterministic Networking (DetNet) Controller Plane Framework
 - [draft-ietf-raw-framework-02](#)
Reliable and Available Wireless Framework

Liaisons and Communications

- Received:
 - None
- Sent:
 - None

Milestone Update

- Revised charter is posted:
<https://datatracker.ietf.org/doc/charter-ietf-detnet/>
- Two main differences (editorial changes not shown)
 - Add to first paragraph
 - The Deterministic Networking (DetNet) Working Group focuses on deterministic data paths that operate over Layer 2 bridged and Layer 3 routed segments, where such paths can provide bounds on **reordering**, latency, loss, and packet delay variation (jitter), and high reliability. **DetNet solutions apply to both wireless and wired networks.**
 - New paragraph
 - DetNets including Wireless: This work will define how DetNet solutions operate over networks that include wired and wireless network technologies. The work may include providing DetNet reliability and availability for scheduled wireless segments and other wireless media, e.g., frequency/time-sharing physical media resources with stochastic traffic: IEEE Std. 802.15.4 timeslotted channel hopping (TSCH), 3GPP 5G ultra-reliable low latency communications (URLLC), IEEE 802.11ax/be, and L-band Digital Aeronautical Communications System (LDACS), etc. This work will stay abstract to the radio layers underneath, addressing the Layer 3 aspects in support of applications requiring high reliability and availability.

Milestone Update

Revised milestones are posted:

<https://datatracker.ietf.org/doc/charter-ietf-detnet/>

- Mar 2024 Submit RAW architecture document for publication
- Mar 2024 Submit RAW OAM document for publication
- Mar 2024 Adopt first Enhanced DetNet Data Plane solution document
- Jul 2024 Submit Enhanced DetNet Data Plane Requirements document for publication
- Jul 2024 Submit Controller Plane Framework document for publication
- Sep 2024 Submit RAW framework document for publication
- Dec 2024 Submit first Enhanced DetNet Data Plane solution document for publication

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

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