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IETF 118 Path Computation Element (PCE) WG

This session is being recorded



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)



Note Really Well

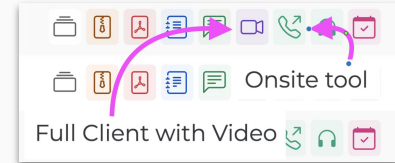
- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
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- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

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IETF 118 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” 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

Administrivia

- Minute taker(s)
 - Collaborative minutes
 - <https://notes.ietf.org/notes-ietf-118-pce>
- Meetecho Etiquette
 - Join the common queue (onsite/remote) via meetecho
 - Do not send audio directly
 - Please state your name before speaking
 - Be mindful of the agenda time
 - Longer discussion on mailing list (or [zulip](#) chat)

Usual Reminders

- Please use the mailing list actively!
- Please be more vocal during WG business (WGLC, adoption, etc)!
 - *We are also requesting direct reviews from some WG participants, please continue to provide help*
- Use the WG wiki to track progress - <https://wiki.ietf.org/en/group/pce>
- Use the zulip chat now or in between meetings - <https://zulip.ietf.org/#narrow/stream/253-pce>
- Request for early code point allocation when you are planning to interop!

Agenda Bashing

Introduction

- 1.1. Administrivia, Agenda Bashing
- 1.2. WG Status
- 1.3. State of WG I-Ds, open issues and next steps

Stateful PCE

- 2.1 Native-IP
draft-ietf-pce-pcep-extension-native-ip-26
- 2.2 Stateful Inter-Domain
draft-ietf-pce-stateful-interdomain-04
- 2.3 Inter Stateful PCE State Sync
draft-ietf-pce-state-sync-05

Segment Routing

- 3.1 SID Algo
draft-ietf-pce-sid-algo-05
- 3.2 SR P2MP Policy
draft-ietf-pce-sr-p2mp-policy-04

Others

- 4.1 PCEPS update for TLS 1.3
draft-ietf-pce-pceps-tls13-01
- 4.2 Fine-grain Transport Network
draft-han-pce-path-computation-fg-transport-00
- 4.3 Precision Availability Metrics
draft-contreras-pce-pam-00

WG Status

Beyond the WG

- **1** new RFCs since IETF 117
 - RFC 9488 - *draft-ietf-pce-local-protection-enforcement*
- I-Ds in the RFC Editor Queue
 - **draft-ietf-pce-binding-label-sid-15** (MISREF)
 - Waiting for *draft-ietf-pce-segment-routing-ipv6* (with the IESG)
 - **draft-ietf-pce-pcep-stateful-pce-gmpls-23** (AUTH48)
- With IESG
 - **draft-ietf-pce-segment-routing-ipv6-20**
 - Publication Requested
 - *The X bit was removed based on mailing list discussion*

Early IANA Allocation

- **draft-ietf-pce-segment-routing-ipv6**
 - Renewed!
 - Expires 2024-01-12
- **draft-ietf-pce-segment-routing-policy-cp**
 - Renewed!
 - Expires 2024-03-30
- **draft-ietf-pce-multipath**
 - Renewed!
 - Expires 2024-05-09
- **draft-ietf-pce-pcep-extension-native-ip**
 - Expires 2024-08-14
- **draft-ietf-pce-sid-algo**
 - Expires 2024-09-13
- **draft-ietf-pce-pcep-color**
 - Expires 2024-10-30
- **draft-ietf-pce-sr-bidir-path**
 - Ongoing

Others

- Recharter
 - On the 2023-11-30 IESG agenda
- Errata
 - **No** new Errata
- Liaison
 - **None**

Status of WG I-Ds, Open Issues & Next Steps

Post WG-LC

- **draft-ietf-pce-pcep-yang**
 - -22 posted on 2023-09-11
 - Waiting for shepherd review (Julien)
- **draft-ietf-pce-pcep-extension-native-ip**
 - -26 posted on 2023-10-23
 - Early IANA allocation done
 - On the agenda
- **draft-ietf-pce-pceps-tls13**
 - -02 posted on 2023-11-05
 - On the agenda

WG documents “nearing” WG LC

- **draft-ietf-pce-flexible-grid**
 - -09 posted on 2023-03-07
 - *Expired!*
 - Next to be WGLC'ed!
- **draft-ietf-pce-segment-routing-policy-cp**
 - -12 posted on 2023-07-22
 - Removed section “Multiple Optimization Objectives and Constraints”
- **draft-ietf-pce-stateful-pce-optional**
 - -06 posted on 2023-07-08
 - Ready for WGLC!
- **draft-ietf-pce-state-sync**
 - -05 posted on 2023-07-08
 - On the agenda
- **draft-ietf-pce-pcep-color**
 - -02 posted on 2023-09-01
 - *Needs implementation section*

WG I-Ds

- **draft-ietf-pce-sr-path-segment**

- -08 posted on 2023-08-24
 - A refresh!
- Nearing WGLC?

- **draft-ietf-pce-sr-bidir-path**

- -12 posted on 2023-09-09
 - A refresh!
- Nearing WGLC?

- **draft-ietf-pce-pcep-extension-pce-controller-sr**

- -07 posted on 2023-07-09
- Nearing WGLC?

- **draft-ietf-pce-multipath**

- -09 posted on 2023-07-24
- Comments from 117 are not handled yet!

WG I-Ds

- **draft-ietf-pce-stateful-interdomain**
 - -04 posted on 2023-10-23
 - On the agenda
- **draft-ietf-pce-sr-p2mp-policy**
 - -04 posted on 2023-10-23
 - On the agenda
- **draft-ietf-pce-sid-algo**
 - -05 posted on 2023-09-21
 - On the agenda
- **draft-ietf-pce-pcep-l2-flowspec**
 - -04 posted on 2023-07-04
 - We need to evaluate if the procedures listed in RFC 9168 needs to be updated to support FSv2 or not.
 - *FSv2 adds explicit "order" for instance.*

WG I-Ds

- **draft-ietf-pce-pcep-pmtu**
 - -04 posted on 2023-07-26
 - A refresh!
- **draft-ietf-pce-pcep-ifit**
 - -03 posted on 2023-07-07
 - A refresh!
- **draft-ietf-pce-stateful-pce-ve
ndor**
 - -01 posted on 2023-08-07
 - A refresh
- **draft-ietf-pce-pcep-srv6-yang**
 - -04 posted on 2023-09-11
 - Updated YANG to align to extension I-D
- **draft-ietf-pce-pcep-extension-p
ce-controller-srv6**
 - -01 posted on 2023-08-13
 - Comments from Adrian are handled!

Recently adopted documents

- **draft-ietf-pce-bier-te-00**
 - -00 posted on 2023-11-04

WG Adoption Poll Queue

- Refer to <https://wiki.ietf.org/en/group/pce#wg-adoption-call-queue>
 - draft-dhodylee-pce-pcep-ls
 - draft-peng-pce-entropy-label-position
 - draft-peng-pce-stateful-pce-autobw-update
 - draft-li-pce-controlled-id-space
 - draft-sidor-pce-circuit-style-pcep-extensions
 - draft-dhody-pce-pcep-extension-pce-controller-p2mp
 - draft-koldychev-pce-operational (*need to break into 2 drafts*)
 - draft-chen-pce-sr-mpls-sid-verification
 - draft-chen-pce-sr-ingress-protection
 - draft-dong-pce-pcep-nrp
 - draft-fizgeer-pce-pcep-bfd-paramters

Thanks!



Backup!

Using the Mailing List

- Please use the mailing list actively to discuss all working group business
- Open issues with drafts should be discussed on the list, and conclusions reported to the list
- New drafts should be introduced to the working group first on the mailing list, to gauge interest
- Working group consensus is determined from the mailing list
- Priority in meetings is given to drafts that have been discussed on the list

Please be Vocal

- During WG Adoption and WG LC calls, response number is low.
- Please be vocal on the list to help us gauge the consensus better.
- The WG mailing lists are looked at by the IESG, IAB, and others (internal and external to IETF) to determine interest/participation level in our standards process.
- Please review ideas from your peers, these are community outputs of the working group as a whole.
- Also help flushing our queues faster
 - we had to extend the calls when response was lacking!

Using the Wiki

- A way to give you visibility as the document progress through the WG
 - adoption queue
 - WG LC queue
 - balancing work between chairs
 - shepherding responsibilities and opportunities
 - pending actions
 - IPR polls
- Use this wiki
 - make sure this is up to date!
- <https://wiki.ietf.org/en/group/pce>

Early Codepoint Allocation

- If you have an implementation of a WG I-D
 - that requires inter-operation with other implementations
 - Please request for early IANA codepoint allocation
 - Make sure to include an Implementation Status section in your I-D
 - Make sure the IANA section is correct and complete
 - And meets the condition set out in RFC 7120
- Maintained at
 - <https://wiki.ietf.org/en/group/pce#candidate-for-early-iana-allocations>