

IETF 115 Path Computation Element (PCE) WG

Friday, 11 November 2022 12:00 - 13:30

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IETF 115 London
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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.
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- 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:

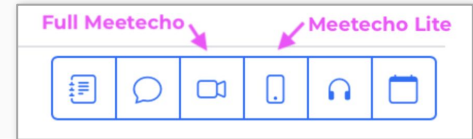
- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)

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IETF 115 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*
- **Wear masks unless actively speaking at the microphone.**



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

Resources for IETF 115 London

- Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/115/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>

Reminder for the IETF Guidelines for Conduct

- IETF participants extend respect and courtesy to their colleagues at all times.
- IETF participants have impersonal discussions.
- IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
- Individuals are prepared to contribute to the ongoing work of the group
- Please keep these in mind both at the mic and on Chat/Meetecho
- See BCP 54!

Administrivia

- Minute taker(s), scribe(s)
- Meetecho Etiquette
 - Join the queue (onsite/remote) if you would like to speak/present
 - 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)
- Collaborative minutes
 - <https://notes.ietf.org/notes-ietf-115-pce>

Usual Reminders

- Please use the mailing list actively!
- Please be more vocal during WG business (WGLC, adoption, etc)!
- 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 (Chairs, 5 min) [5/90]
- 1.2. WG Status (Chairs, 10 min) [15/90]
- 1.3. State of WG I-Ds, open issues and next steps (Chairs, 15 min) [30/90]

PCEPS

- 2.1 TLS1.3 for PCEP (Sean/Russ, 10 min) [40/90]
[draft-dhody-pce-pceps-tls13-01](#)

Segment Routing

- 3.1 Mirror Binding (Huaimo Chen, 10 min) [50/90]
[draft-chen-pce-mbinding-00](#)

Stateful & PCECC

- 4.1 IFIT (Giuseppe Fioccola, 10 min) [60/90]
[draft-ietf-pce-pcep-ifit-01](#)
- 4.2 PCE Controlled Identifier Space (Hang Shi, 10 min) [70/90]
[draft-li-pce-controlled-id-space-13](#)
- 4.3 PCE-initiated IP Tunnel (Hang Shi, 10 min) [80/90]
[draft-chen-pce-pce-initiated-ip-tunnel-02](#)

Early Reviews

- As per the Routing ADs –
 - We will require early directorate reviews before documents come to the AD's to enter the publication queue.
 - We suggest that these reviews are done either in parallel with the working group last call or between the working group last call and publication request .
 - In the case of the early directorate review being done in parallel with the last call, it is suggested to use this approach only if there is indication that the document is stable, since we ask that the early review is done on the version of the document that will be received by the AD's at the time of requested publication.
 - While we require early review from the routing directorate, it is in the chair's discretion if they wish to request early review from other directorates.
 - As a guideline, we recommend a security directorate review in addition to the routing area directorate.

Document Shepherd

- Please help with shepherding WG documents
 - See <https://chairs.ietf.org/documents/document-shepherding>
 - We would like to assign shepherd early in the process to help drive the work forward...
 - It is a good way to understand the IETF documents process
- Reach out to us if you are interested...

WG Status

Beyond the WG

- New RFC(s) since IETF 114
 - No new RFCs
- But, bunch of I-Ds in the RFC Editor Queue
 - draft-ietf-pce-binding-label-sid-15 (MISREF)
 - Waiting for draft-ietf-pce-segment-routing-ipv6-15
 - draft-ietf-pce-vn-association-11 (EDIT)
 - draft-ietf-pce-lsp-extended-flags-09 (EDIT)
- and with the AD (Publication Requested)
 - draft-ietf-pce-pcep-stateful-pce-gmpls-20
 - draft-ietf-pce-local-protection-enforcement-07

Others

- Errata
 - No new Errata
- Liaison
 - New Liaison Statement, "LS on OTNT Standardization Work Plan Issue 31"
 - <https://datatracker.ietf.org/liaison/1798/>
- IPR disclosure
 - None
- Early IANA codepoint allocation
 - draft-ietf-pce-multipath
 - Expires 2023-05-09
 - draft-ietf-pce-segment-routing-ipv6
 - Expires 2023-01-12
 - draft-ietf-pce-local-protection-enforcement
 - Renewed!
 - Expires 2023-01-28
 - draft-ietf-pce-segment-routing-policy-cp
 - Renewed!
 - Expires 2023-03-30

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

In WG-LC

- **draft-ietf-pce-pcep-yang**
 - -20 posted on 2022-10-23
 - Comments from Tom Petch
 - TLS 1.3
 - Related I-D on the agenda
 - Editorial comments to improve YANG model
 - Auth container also added at the entity level
 - FlowSpec capability - RFC 9168
 - Security capability
 - Ready to pass on to the AD?

WG documents “nearing” WG LC

draft-ietf-pce-segment-routing-ipv6

- -15 posted on 2022-10-23
- Comment from Mrinmoy Das regarding missing error
 - Authors did a review of all error codes and aligned with RFC 8664.
- WGLC Next!
 - Are there any concerns?

WG documents “nearing” WG LC

draft-ietf-pce-pcep-extension-native-ip

- -19 posted on 2022-09-21
 - A refresh!
- Document reviewed by IDR already!

draft-ietf-pce-flexible-grid

- -08 posted on 2022-09-04
 - A refresh!
- Any concern? Open Issues?

WG documents “nearing” WG LC

draft-ietf-pce-enhanced-errors

- -12 posted on 2022-09-05
 - No changes!
 - **STILL** no I-D currently using it
 - draft-ietf-pce-stateful-interdomain could, but hasn't!
 - RFC 8751 mentions it though
 - Is there still interest in this work?
- **Options:**
 - Progress this work as experimental
 - Would need reviewers to commit
 - Mark it as waiting for implementation
 - **STILL** no feedback received!

WG I-Ds

draft-ietf-pce-sr-path-segment

- -06 posted on 2022-08-19
 - Mainly editorial changes
- Includes two mechanism and plan to progress with both
 - any issues?
- Nearing WGLC!

draft-ietf-pce-sr-bidir-path

- -08 posted on 2022-08-31
 - Mainly editorial changes
- Nearing WGLC!

WG I-Ds

draft-ietf-pce-segment-routing-policy-cp

- -08 posted on 2022-10-24
- Mainly refresh!
- Looks like nearing WGLC?

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

- No new update!
- Looks like nearing WGLC?

WG I-Ds

draft-ietf-pce-multipath

- No new update!
- Looks like nearing WGLC?

draft-ietf-pce-state-sync

- No new update!
- It is okay for the priority setting used for Primary/Secondary selection to be out of scope of this I-D?

WG I-Ds

draft-ietf-pce-stateful-pce-option al

- No Update!
- Looks like nearing WGLC?

draft-ietf-pce-stateful-interdomain

- Expired, update scheduled before the end of the year
- draft-ietf-pce-enhanced-errors will be considered

draft-ietf-pce-sr-p2mp-policy

- No update!

WG I-Ds

draft-ietf-pce-pcep-l2-flowspec

- No update!

draft-ietf-pce-sid-algo

- Expired!
- Comments received during WG adoption are pending!!

WG I-Ds

draft-ietf-pce-pcep-pmtu

- No update
- A new I-D in SPRING WG is posted/presented [I-D.peng-spring-pmtu-sr-policy]

draft-ietf-pce-pcep-ifit

- On the agenda

Recently adopted documents

draft-ietf-pce-pcep-srv6-yang

- -01 posted in 2022-10-23
- Mainly editorial changes

WG Adoption Poll Queue

- Refer <https://wiki.ietf.org/en/group/pce#wg-adoption-call-queue>
- draft-dhody-pce-pcep-extension-pce-controller-srv6
- draft-dhodylee-pce-pcep-ls
- ...

Some discussion on the list

- BFD for PCEP (a new proposal from Marina Fizgeer)
 - Not an internet-draft yet....
- Scoping Items from draft-koldychev-pce-operational
 - single draft or
 - break it into two...

Coordination with other WG/RG

- See <https://wiki.ietf.org/group/pce/coordination>
- Need help in keeping it up to date!

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>