

IETF 112 Path Computation Element (PCE) WG

Wednesday, Nov 10, 2021 (14:30-15:30 UTC)

Friday, Nov 12, 2021 (16:00-17:00 UTC)

Chairs

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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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- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
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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)



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
- See BCP 54!

This session is being recorded

IETF 112 Online Meeting Tips

- Your audio is muted and video is off when you join
 - Unmute only when you are recognized in the queue
 - Mute and remove yourself from the queue after you are done
 - Video is welcome when you are speaking in the queue
 - Use of a headset is strongly recommended
- Session bluesheet is automatically generated based on IETF Datatracker logins
- Chatrooms in Meetecho are connected to the Jabber chatrooms on IETF Datatracker agenda
- More information and assistance:
 - Participant guide
<https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/>

Administrivia

- Minute taker(s), jabber scribe(s)
- Meetecho Etiquette
 - Join the queue 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 jabber)
- Collaborative minutes
 - <https://notes.ietf.org/notes-ietf-112-pce>

Usual Reminders

- Please use the mailing list actively!
- Please be more vocal during WG business (WG LC, adoption, etc)!
- Use the WG wiki to track progress -
<https://trac.ietf.org/trac/pce/wiki/WikiStart>
- Request for early code point allocation when you are planning to interop!

Agenda Bashing

Wednesday, November 10, 2021 14:30-15:30 UTC

Introduction

- 1.1. Administrivia, Agenda Bashing (Chairs, 5 min) [5/60]
- 1.2. WG Status (Chairs, 10 min) [15/60]
- 1.3. State of WG I-Ds and next steps (Chairs, 10 min) [25/60]

Segment Routing

- 2.1. Multipath ERO (Mike Koldychev, 10 mins) [35/60]
[draft-ietf-pce-multipath-03](#)
- 2.2. SR Policy (Mike Koldychev, 10 min) [45/60]
[draft-ietf-pce-segment-routing-policy-cp-06](#)
- 2.3. Path MTU (Luc-Fabrice Ndifor, 5 mins) [50/60]
[draft-li-pce-pcep-pmtu-05](#)
- 2.4. IFIT (Giuseppe Fioccola, 5 mins) [55/60]
[draft-chen-pce-pcep-ifit-04](#)
- 2.5. Ingress Protection (Huaimo Chen, 5 mins) [60/60]
[draft-chen-pce-sr-ingress-protection-06](#)

Friday, November 12, 2021 16:00-17:00 UTC

Update to PCEP

- 3.1. Relax Object Ordering (Dhruv Dhody, 10 mins) [10/60]
[draft-dhody-pce-pcep-object-order-00](#)
- 3.2. Topology Filter (Quan Xiong, 10 mins) [20/60]
[draft-xpbs-pce-topology-filter-01](#)
- 3.3. VTN in PCEP (Minxue Wang, 10 mins) [30/60]
[draft-dong-pce-pcep-vtn-00](#)
- 3.4. PCEP-LS (Gyan Mishra, 10 mins) [40/60]
[draft-dhodylee-pce-pcep-ls-22](#)

Multicast

- 4.1. BIER (Huanan Li, 10 mins) [50/60]
[draft-li-pce-based-bier-02](#)

Others

- 5.1. Color in PCEP (Balaji Rajagopalan, 5 mins) [55/60]
[draft-rajagopalan-pce-pcep-color-00](#)
- 5.2. VLAN-based Native IP (Yue Wang, 5 mins) [60/60]
[draft-wang-pce-vlan-based-traffic-forwarding-01](#)

WG Status



Beyond the WG

- no new RFCs since IETF 111
- RFC Editor Queue
 - draft-ietf-pce-pcep-flowspec - RFC-EDITOR state
 - -13 posted to strip L2VPN flowspec from this I-D to remove dependency on IDR Flowspec V2 work
 - A separate I-D draft-li-pce-pcep-l2-flowspec-00 is posted
 - A quick WG adoption?
- With the AD
 - draft-ietf-pce-binding-label-sid
 - Changes made based on AD review

In the WG's Hands

- Errata
 - RFC 8231 - Technical (Rejected)
 - Order of LSP and CLASSTYPE object in PCReq message
 - New I-D proposed (on the agenda)
- Early IANA codepoint allocation
 - draft-ietf-pce-local-protection-enforcement
 - Expires 2022-01-28
 - draft-ietf-pce-segment-routing-policy-cp
 - Expires 2022-03-30
 - draft-ietf-pce-binding-label-sid
 - Expires 2022-03-29

Status of WG I-Ds & Next Steps



WG documents “nearing” WG LC

draft-ietf-pce-pcep-stateful-pce-gmpls

- No recent update
- -15 posted on 2021-06-24
- Reorganization done by authors after the merge of 2 I-Ds
- **Ready for WG-LC!**

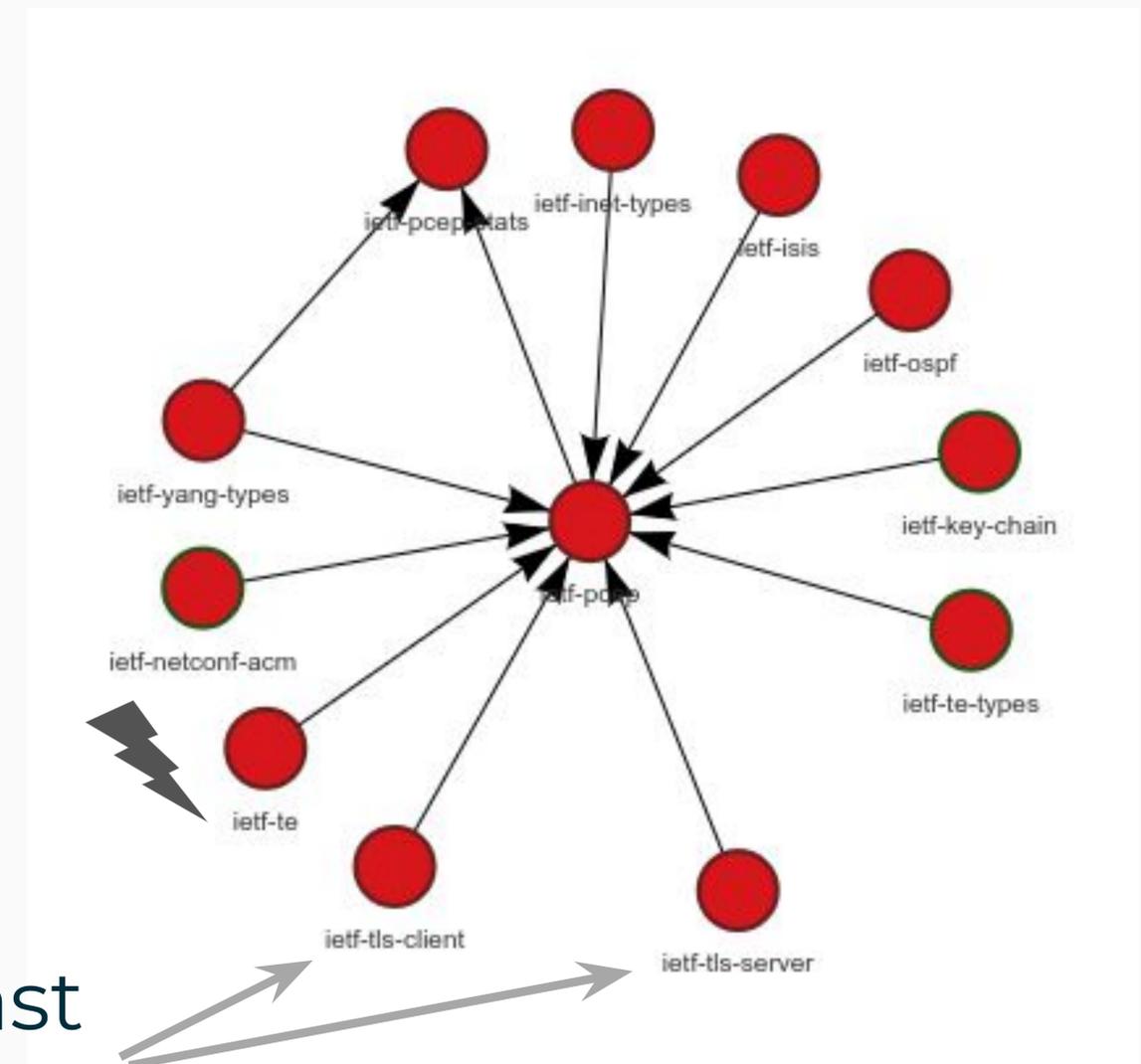
draft-ietf-pce-enhanced-errors

- -10 posted on 2021-08-26
 - No changes!
- Is there still interest in this work?
- **Options:**
 - Progress this work as experimental
 - Would need reviewers to commit
 - Mark it as waiting for implementation
 - Any extension planning to use it

WG documents “nearing” WG LC

draft-ietf-pce-pcep-yang

- -17 posted on 2021-10-23
- Comments from Tom Petch are handled
- Very early YANG Doctor review was done
 - ready for another one?
- Or directly WGLC next!



WG Last
Call

WG I-Ds

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

- -16 posted on 2021-08-15
- Comments from Sue handled
- Agenda time in IDR to get feedback early
 - Cross posting will be done for WG LC

draft-ietf-pce-flexible-grid

- -06 posted on 2021-09-08
 - No major technical change since a long time!
- Is this ready?

WG I-Ds

draft-ietf-pce-segment-routing- ipv6

- No recent update
- -09 posted on 2021-05-28
- **Ready for WG-LC next?**

draft-ietf-pce-vn-association

- -05 posted on 2021-10-15
 - No major technical change since a long time!
- Authors consider it ready!

WG I-Ds

draft-ietf-pce-sr-path-segment

- -04 posted on 2021-08-12
- No major technical change
- Are there any open issues?
- Nearing WG LC?

draft-ietf-pce-sr-bidir-path

- -08 posted on 2021-09-09
- Sync with RFC 9059
- Nearing WG LC?

WG I-Ds

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

- -06 posted on 2021-10-22
- On the agenda

draft-ietf-pce-local-protection-enforcement

- -03 posted on 2021-08-05
- No significant change
- Is this ready?

WG I-Ds

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

- -03 posted on 2021-09-30
- Aligned to the published RFC 9050

draft-ietf-pce-stateful-interdomain

- No recent update
- -02 posted on 2021-07-12

draft-ietf-pce-lsp-extended-flags

- -01 posted on 2021-10-18
- Comments received during adoption call are handled

WG I-Ds

draft-ietf-pce-multipath

- -03 posted on 2021-10-25
- On agenda

draft-ietf-pce-state-sync

- -01 posted on 2021-10-20
- Comments received during adoption are handled

Recently adopted WG I-Ds

draft-ietf-pce-stateful-pce-optional

- Adopted on 2021-10-12
- -02 posted on 2021-10-23
- Comments received during adoption are handled

WG Adoption Poll Queue

- draft-hsd-pce-sr-p2mp-policy (on going)
- ...
- Reshuffling and update to be made at <https://trac.ietf.org/trac/pce/wiki/WikiStart#WGAdoptionCallQueue> after the IETF 112

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://trac.ietf.org/trac/pce/wiki/WikiStart>

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://trac.ietf.org/trac/pce/wiki/WikiStart#CandidateforearlyIANAAllocations>