

IETF 111 Path Computation Element (PCE) WG

Monday, July 26, 2021 (21:30-22:30 UTC)

Chairs

Julien Meuric (julien.meuric@orange.com)

Dhruv Dhody (dd@dhruvdhody.com)

Secretary

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Note Well

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- [BCP 9](#) (Internet Standards Process)
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- [BCP 78](#) (Copyright)
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- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

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IETF 111 Online Meeting Tips

- Make sure your video is off unless you are presenting during a session
- Mute your microphone unless you are speaking
- 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/>
 - Request assistance and report issues via:
<http://www.ietf.org/how/meetings/issues/>

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://codimd.ietf.org/notes-ietf-111-pce?both>

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://trac.ietf.org/trac/pce/wiki/WikiStart>
- Request for early code point allocation when you are planning to interop!

Agenda Bashing

Monday, July 26, 2021 Session II 14:30-15:30 PST

Introduction

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

Stateful

- 2.1 Native IP (Aijun, 10 min) [35/60]
draft-ietf-pce-pcep-extension-native-ip-14
- 2.2 IFIT (Giuseppe, 5 min) [40/60]
draft-chen-pce-pcep-ifit-04
- 2.3 New TE Constraints (Quan, 5 min) [45/60]
draft-peng-pce-te-constraints-06

New I-Ds

- 3.1 RSVP Color (Balaji, 5 min) [55/60]
draft-rajagopalan-pcep-rsvp-color-01
- 3.2 VLAN-based Native IP (Yue Wang, 5 min) [60/60]
draft-wang-pce-vlan-based-traffic-forwarding-00

Thursday, July 29, 2021 Session I 12:00-13:00 PST (19:00-20:00 UTC)

Segment Routing (SR)

- 4.1 Algorithm in SID (Samuel, 10 min)
draft-tokar-pce-sid-algo-04
- 4.2 Entropy Label Position (Quan, 10 min) [20/60]
draft-peng-pce-entropy-label-position-06

Multicast

- 5.1 SR P2MP Policy (Hooman, 10 min) [30/60]
draft-hsd-pce-sr-p2mp-policy-03
- 5.2 BIER-TE (Ran, 5 min) [35/60]
draft-chen-pce-bier-09
- 5.3 PCE based BIER (Huanan, 10 min) [45/60]
draft-li-pce-based-bier-01
- 5.4 BIER-TE Ingress Protection (Huaimo, 10 min) [55/60]
draft-chen-pce-bier-te-ingress-protect-00

WG Status

Beyond the WG

- 3 new RFCs since IETF 110
 - RFC 9059 - Bi-Dir
 - RFC 9050 - PCECC
 - RFC 9005 - Policy Association
- RFC Editor Queue
 - draft-ietf-pce-pcep-flowspec
 - MISREF on IDR's L2VPN flowspec since Nov 2020
 - IDR WG moving L2VPN for Flowspec V2
 - Strip the L2VPN from this I-D?
- With the AD
 - draft-ietf-pce-binding-label-sid
 - Changes made during WGLC and Shepherd review

In the WG's Hands

- Errata
 - RFC 5088 - Editorial (Verified)
 - RFC 8231 - Technical (Reported)
 - Order of LSP and CLASSTYPE object in PCReq message
 - Hold for document update?
- 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

- -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

- -09 posted on 2021-02-17
- Is there still interest in this work?
 - Feedback requested on the mailing list
 - Only 1 author responded!
- Options: Progress this work as experimental or mark it as waiting for implementation

WG documents “nearing” WG LC

draft-ietf-pce-pcep-yang

- -16 posted on 2021-02-22
- Pending: Comments from Tom Petch, update coming SOON!
- Very early YANG Doctor review was done
 - ready for another one?
- WGLC next!

WG I-Ds

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

- -14 posted on 2021-06-07
- On Agenda
- Feedback requested from IDR

draft-ietf-pce-flexible-grid

- -05 posted on 2021-02-22
- No change since a long time!
- Is this ready?

WG I-Ds

draft-ietf-pce-segment-routing- ipv6

- -09 posted on 2021-05-28
- Added Manageability
Consideration
- Added Implementation
Status
- Is this ready?

draft-ietf-pce-vn-association

- -04 posted on 2021-04-16
- A refresh
- Is this ready?

WG I-Ds

draft-ietf-pce-sr-path-segment

- No update

draft-ietf-pce-sr-bidir-path

- -07 posted on 2021-07-12
- Sync with RFC 9059
- Nearing WG LC?

WG I-Ds

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

- -05 posted on 2021-05-23
- Early allocation done
- Pending - need to add the 2 flags from the earlier version of SR BSID related to SR policy in this document

draft-ietf-pce-local-protection-enforcement

- No update

WG I-Ds

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

- -02 posted on 2021-03-25
- Aligned to the published RFC 9050

draft-ietf-pce-stateful-interdomain

- -02 posted on 2021-07-12
- Reusing TE-PATH-BINDING TLV

draft-ietf-pce-lsp-extended-flags-00

- No update
- Comments receiving during adoption call are pending

Recent WG I-Ds

draft-ietf-pce-multipath

- Adopted on 2021-05-03

draft-ietf-pce-state-sync

- Adopted on 2021-06-28

WG Adoption Poll Queue

- draft-dhody-pce-stateful-pce-optional
- draft-li-pce-controlled-id-space
- ...
- Refer to wiki:
<https://trac.ietf.org/trac/pce/wiki/WikiStart#WGAdoptionCallQueue>

Thanks!

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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>