

Path Computation Element (PCE) WG Status

IETF 109 - Online

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.

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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)



I E T F

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-109-pce?both>

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, the response is less.
- Please be vocal on the list to help us gauge the consensus better.
- The working group 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.

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
 - 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>
 - Currently empty!
 - Please make your request!

Agenda Bashing

Introduction

- 1.1 Administrivia, Agenda Bashing (chairs, 5 min)
- 1.2 WG Status (chairs, 10 min) [15/120]
- 1.3 State of WG I-Ds and next steps (chairs, 15 min) [30/120]

Segment Routing

- 2.1 Binding SID (Mike Koldychev, 10 min) [40/120]
draft-ietf-pce-binding-label-sid-05

- 2.2 PCEP for SRv6 (Cheng Li, 10 min) [50/120]
draft-ietf-pce-segment-routing-ipv6-07

- 2.3 Algorithm in SID (Samuel Sidor, 10 min) [60/120]
draft-tokar-pce-sid-algo-02

- 2.4 P2MP SR Policy (Hooman Bidgoli, 10 min) [70/120]
draft-hsd-pce-sr-p2mp-policy-02

Stateful PCE & PCECC

- 3.1 PCECC Drafts (Shuping Peng, 10 mins) [80/120]
draft-zhao-pce-pcep-extension-pce-controller-sr-08
draft-dhody-pce-pcep-extension-pce-controller-srv6-05
draft-dhody-pce-pcep-extension-pce-controller-p2mp-05

- 3.2 IFIT (Giuseppe Fioccola, 10 min) [90/120]
draft-chen-pce-pcep-ifit-01

- 3.3 Path MTU (Luc-Fabrice Ndifor, 10 mins) [100/120]
draft-li-pce-pcep-pmtu-03

- 3.4 Updates to Stateful PCE drafts (Haomian Zheng, 15 mins) [115/120]
draft-litkowski-pce-state-sync-09
draft-dhody-pce-stateful-pce-optional-07
draft-dhody-pce-stateful-pce-vendor-11

WG Status

Beyond the WG

- 2 new RFC since IETF 108 (Singapore)
 - RFC 8800 - draft-ietf-pce-association-diversity
 - RFC 8934 - draft-ietf-pce-stateful-pce-lsp-scheduling
- Documents in RFC editor queue
 - draft-ietf-pce-pcep-flowspec (MISREF)
- Drafts with the IESG
 - draft-ietf-pce-association-policy
 - Waiting for RTGDIR/AD review

Beyond the WG

- Errata
 - 6231 for RFC 8231 - Technical Errata by Dhruv Dhody (Verified)
 - a “companion” errata for LSP state synchronization
 - 6289 for RFC 8231 - Technical Errata by Dhruv Dhody (Verified)
 - Incorrect use of “total” for TLV length
 - 6301 for RFC8281 - Technical Errata by Samuel Sidor (Verified)
 - Change in RBNF
- Existing Early IANA codepoint allocation
 - draft-ietf-pce-association-policy (Expires 2021-05)

Liaisons and Communications

- ITU-T-SG-15 – LS
 - To CCAMP, MPLS, PALS, PCE, TEAS
 - Scott Mansfield is coordinating across WGs
 - Reply to LS on OTNT Standardization Work Plan
 - Sent on 2020-08-24, in response to SG15-LS245
 - <https://datatracker.ietf.org/liaison/1693/>
 - LS on OTNT Standardization Work Plan **Issue 28**
 - Received on 2020-10-05
 - <https://datatracker.ietf.org/liaison/1698/>
 - Reply by 2021-05-01

Status of WG I-Ds & Next Steps

Post WG LC Queue

- draft-ietf-pce-pcep-extension-for-pce-controller-08
 - Shepherd review done by Julien
 - An update (-08) posted by the authors
 - Almost ready now!
- draft-ietf-pce-association-bidir-08
 - Shepherd review done by Dhruv
 - Awaiting an update/response from authors

WG documents “nearing” WG LC

- draft-ietf-pce-pcep-yang-15
 - Two Open Issue listed in the draft
 - PCE-Initiated LSP in the TE YANG Model
 - LSP-ID as a key, reference to TE YANG Model
 - No reference to SR Policy YANG
 - Perhaps better to handle it in another I-D
 - TE yang dependencies are progressing
 - Dependency on draft-ietf-netconf-tls-client-server (used for PCEPS/TLS) is also making progress
 - Very early YANG Doctor review was done
 - should get it done again...
 - Last updated on 2020-10-31

WG documents

- draft-ietf-pce-pcep-stateful-pce-gmpls
 - No Update & Expired!
 - Was merged with draft-ietf-pce-remote-initiated-gmpls-lsp
 - Implementation Status is missing
 - Last updated on 2020-04-24 (version -13)
- draft-ietf-pce-pcep-extension-native-ip
 - Update (-09) on 2020-10-20
 - Multiple versions and major rework
 - Please keep WG in loop and explain the changes
 - Discussion in TEAS WG about document status of the related TEAS I-D
 - We need to have a discussion on document status for this I-D as well
 - Coordinate with IDR for BGP considerations!
- draft-ietf-pce-enhanced-errors
 - Update (-08) on 2020-08-17
 - Moved scenarios to appendix
 - Updated guidelines

WG documents

- draft-ietf-pce-flexible-grid
 - Update (-04) on 2020-08-27
 - Added implementation status
- draft-ietf-pce-segment-routing-ipv6
 - Update (-07) on 2020-11-02
 - On Agenda
- draft-ietf-pce-binding-label-sid
 - Update (-05) on 2020-10-31
 - On Agenda
- draft-ietf-pce-vn-association
 - Update (-03) on 2020-10-19
 - Keepalive update :)

WG documents

- draft-ietf-pce-sr-path-segment
 - Update (-02) on 2020-11-02
 - Keepalive update :)
- draft-ietf-pce-sr-bidir-path
 - Update (-03) on 2020-09-15
 - Added scope clarifications
 - Updated figures and notations for clarity
- draft-ietf-pce-segment-routing-policy-cp
 - Update (-01) on 2020-10-27
 - Changed in reserved value of association ID
 - Discussion on the Mailing List regarding the new procedure to mandate the PCC's allocation of association parameters

Recent WG documents

- draft-ietf-pce-path-protection-enforcement
 - Suggestion to make it generic either in this I-D or in future
 - Please discuss on the list

Adoption Poll Queue

- draft-zhao-pce-pcep-extension-pce-controller-sr
- draft-dugeon-pce-stateful-interdomain
- Other adoption request's are maintained at -
 - <https://trac.ietf.org/trac/pce/wiki#IndividualdocumentsthatauthorsconsiderreadyforWGAdoption>

Thanks & Stay Safe!