Path Computation Element (PCE) WG Status

IETF 108 - Online

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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-108-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

Agenda Bashing

1. **Introduction**

1.1 Administrivia, Agenda Bashing (chairs, 5 min)

1.2 WG Status (chairs, 10 min) [15/100]

1.3 State of WG I-Ds and next steps (chairs, 10 min) [25/100]

2. **Segment Routing**

2.1 SR Birdirectional (Rakesh, 10 min) [35/100]

draft-ietf-pce-sr-bidir-path-02

2.2 Multipath ERO (Mike Koldychev, 10 min) [45/100]

draft-koldychev-pce-multipath-03

2.3 Entropy (Quan, 10 min) [55/100]

draft-peng-pce-entropy-label-position-03

2.4 SRv6-Yang (Luc-Fabrice/Shuping, 10 mins) [65/100]

draft-li-pce-pcep-srv6-yang-01

2.5 IFIT (Giuseppe, 5 mins) [70/100]

draft-chen-pce-sr-policy-ifit-02

3. **Stateful PCE**

3.1 Local Protection Enforcement (Andrew, 10 mins) [80/100]

draft-stone-pce-local-protection-enforcement-01

3.2 Extended LSP Flag (Quan, 10 min) [90/100]

draft-xiong-pce-lsp-flag-02

3.3 Path MTU (Shuping, 10 mins) [100/100]

draft-li-pce-pcep-pmtu-01

4. If time permits

4.1 SR Path Ingress Protection (Huaimo, 10 mins) [110/100]

draft-chen-pce-sr-ingress-protection-03

WG Status

Beyond the WG

- 11 new RFC since IETF 106 (Singapore)
  - RFC 8780 - draft-ietf-pce-wson-rwa-ext
  - RFC 8779 - draft-ietf-pce-gmpls-pcep-extensions
  - RFC 8786 - draft-ietf-pce-stateful-flags
  - RFC 8751 - draft-ietf-pce-stateful-hpce
  - RFC 8745 - draft-ietf-pce-stateful-path-protection
  - RFC 8741 - draft-ietf-pce-lsp-control-request
  - RFC 8733 - draft-ietf-pce-stateful-pce-auto-bandwidth
  - RFC 8697 - draft-ietf-pce-association-group
  - RFC 8694 - draft-ietf-pce-inter-area-as-applicability
  - RFC 8685 - draft-ietf-pce-hierarchy-extensions
  - RFC 8664 - draft-ietf-pce-segment-routing
- *Thanks to everyone who contributed – authors, shepherd, reviewers, AD…*

Beyond the WG

- Documents in RFC editor queue
  - draft-ietf-pce-association-diversity (AUTH48-DONE)

- Drafts with the IESG
  - draft-ietf-pce-stateful-pce-lsp-scheduling (DISCUSS)
  - draft-ietf-pce-pcep-flowspec
    - Authors found an issue with L2 flow specification's BGP registry and have posted an update to this I-D for feedback on the mailing list

- Early codepoint allocations
  - draft-ietf-pce-association-policy (Expires 2021-05)

Beyond the WG

- Errata (all for RFC 8231)
  - 5796 Technical Errata by Hillol (Held for Document Update)
  - 5970 Technical Errata by Subham Burnwal (Verified)
  - 6012 Editorial Errata by Dhruv Dhody (Verified)
  - 6231 Technical Errata by Dhruv Dhody (Reported)
    - Chairs' opinion - should be accepted (companion to 5970)

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 2020-01-14
    - URL of the IETF Web page: https://datatracker.ietf.org/liaison/1669/
  - LS on OTNT Standardization Work Plan Issue 27
    - Received on 2020-02-19
    - URL of the IETF Web page: https://datatracker.ietf.org/liaison/1673/
    - Reply by 2020-08-20

Status of WG I-Ds & Next Steps

WG LC Queue

- draft-ietf-pce-pcep-extension-for-pce-controller-06
  - Mainly editorial changes with one additional IANA request
  - Last update on 2020-07-13
- draft-ietf-pce-association-policy-11
  - New Implementation details added
  - Last update on 2020-06-23
- draft-ietf-pce-association-bidir-06
  - Clarification on the PLSP-ID Usage and the B flag in the SRP object
  - Last update on 2020-03-13

WG documents "nearing" WG LC

- draft-ietf-pce-pcep-yang-14
  - 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…
  - Made open-wait-timer & keep-wait-timer as read-only.
  - Last updated on 2020-07-07

WG documents

- draft-ietf-pce-pcep-stateful-pce-gmpls
  - 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 (-05)
    - Encoding changes, new fields – ETTL, Peer Cookie etc
    - Editorial changes
- draft-ietf-pce-enhanced-errors
  - Update (-07)
    - Editorial changes

WG documents

- draft-ietf-pce-flexible-grid
  - Update (-03)
    - Mainly editorial
- draft-ietf-pce-segment-routing-ipv6
  - Update (-06)
    - Clarification statement on the use of term LSP in PCEP in the context of SRv6
    - Renaming of a field in SRv6-ERO/SRv6-RRO
    - Other editorial changes

WG documents

- draft-ietf-pce-binding-label-sid
  - Update (-03)
    - Update in the length of TE-PATH-BINDING TLV
    - Other editorial changes
- draft-ietf-pce-vn-association
  - Adopted after 105
  - Update (-02)
    - Mainly editorial changes
- draft-ietf-pce-sr-path-segment
  - Adopted after 105
  - Update (-01)
    - Mainly editorial changes

Recent WG documents

- draft-ietf-pce-sr-bidir-path
  - On the agenda

- draft-ietf-pce-segment-routing-policy-cp
  - No update since adoption

Adoption Poll Queue

- draft-zhao-pce-pcep-extension-pce-controller-sr

- draft-dugeon-pce-stateful-interdomain

- Other adoption request's are at - https://trac.ietf.org/trac/pce/wiki#IndividualdocumentsthatauthorsconsiderreadyforWGAdoption

Thanks & Stay Safe!