Path Computation Element WG Status

IETF 106 - Singapore

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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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- By participating in the IETF, you agree to follow IETF processes and policies.
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- 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)

I E T F

Administrivia

- Please, sign blue sheets
- Minute taker(s), jabber scribe(s)
- Audio & video streaming
  - Please speak only using the microphones
  - Please state your name before speaking
  - Presenters, please stand at the pink cross

- We have folks attending remotely
  - Please mind audio/video ☺

Personnel Change

- Adrian stepped down after the IETF 105 meeting.

- *Thank you Adrian for serving as PCE chair and guiding us during this transition.*

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

Implementation Policy

- All WG I-Ds are required to include an 'Implementation Status' Section (as per RFC7942) to document known existing or planned implementations. The chairs can make exceptions on a per-document basis.
  - It is expected that all WG I-Ds requesting WG LC from May 2019 must follow the above implementation policy.
  - Reach out to the chairs in case an exception needs to be made for your document.
  - *Some of the documents that authors believe are ready for WG LC still lacks this section.*

Agenda Bashing

1. 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, 10 min) [25/120]

2. Segment Routing
2.1. **Multipath ERO** (Mike Koldychev, 10 min) [35/120]
draft-koldychev-pce-multipath-00
2.2. **Entropy** (Quan, 10 min) [45/120]
draft-peng-pce-entropy-label-position-01

3. Central Controller
3.1. **Update to PCECC I-Ds** (Cheng Li/Xuesong Geng, 15 min) [60/120]
draft-ietf-pce-pcep-extension-for-pce-controller-03
draft-zhao-pce-pcep-extension-pce-controller-sr-05
draft-dhody-pce-pcep-extension-pce-controller-srv6-02
draft-dhody-pce-pcep-extension-pce-controller-p2mp-02

4. Other
4.1. **Path Protection Enforcement** (Andrew, 10 mins) [70/120]
draft-stone-pce-path-protection-enforcement-00
4.2. **SR Path Ingress Protection** (Huaimo, 10 min) [80/120]
draft-chen-pce-sr-ingress-protection-02
4.3. **New TE Constraints** (Quan, 10 mins) [90/120]
draft-peng-pce-te-constraints-01
4.4. **Resource Sharing** (Haomian Zheng, 10 mins) [100/120]
draft-zhang-pce-resource-sharing-11
4.5. **PCEP for BIER** (Ran Chen, 10 mins) [110/120]
draft-chen-pce-bier-06

WG Status

Beyond the WG

- No new RFC since Montreal
- Documents in RFC editor queue
  - draft-ietf-pce-segment-routing (Cluster C340, AUTH48-DONE)
  - draft-ietf-pce-wson-rwa-ext (MISREF)
  - draft-ietf-pce-hierarchy-extensions (AUTH48)
  - draft-ietf-pce-association-group (RFC-EDITOR)
  - draft-ietf-pce-inter-area-as-applicability (RFC-EDITOR)
  - draft-ietf-pce-stateful-pce-auto-bandwidth
  - draft-ietf-pce-lsp-control-request
  - draft-ietf-pce-stateful-hpce
  - draft-ietf-pce-stateful-path-protection

Beyond the WG

- Drafts with the IESG
  - draft-ietf-pce-gmpls-pcep-extensions (DISCUSS is cleared, last few pending comments)
  - draft-ietf-pce-association-diversity (DISCUSS exist, awaiting authors to post an update)
- Early codepoint allocations
  - ~~draft-ietf-pce-segment-routing (expires August 2019)~~
  - ~~draft-ietf-pce-association-group (expires October 2019)~~
  - Already in RFC Editor queue!
- Errata
  - 5796: on RFC 8231
  - Chairs suggest "hold for document update"

Liaisons and Communications

- Outgoing:
  - none
- Incoming:
  - ITU-T-SG-15 - LS
  - 2019-10-02
  - LS on OTNT Standardization Work Plan
  - Deadline for response 2020-01-06
  - To CCAMP, MPLS, PALS, PCE, TEAS
  - Scott Mansfield is responsible for compiling an answer with inputs from relevant WGs.

Status of WG I-Ds & Next Steps

Post WG LC

- draft-ietf-pce-stateful-flags
  - Was draft-farrel-pce-stateful-flags
  - Ready to ship to AD – 2nd try!
- draft-ietf-pce-pcep-flowspec
  - Late IPR disclosure
  - WG LC was extended
  - Shepherd review done

WG documents nearing WG LC

- draft-ietf-pce-stateful-pce-lsp-scheduling
- draft-ietf-pce-association-policy
- draft-ietf-pce-association-bidir
- draft-ietf-pce-pcep-stateful-pce-gmpls
  - Was merged with draft-ietf-pce-remote-initiated-gmpls-lsp
  - A new editorial update was done
  - Some reorganization for readability would be further useful
- draft-ietf-pce-pcep-yang
  - TE yang dependencies are progressing
  - Dependency on draft-ietf-netconf-tls-client-server (used for PCEPS/TLS) might take longer

WG documents

- draft-ietf-pce-pcep-extension-native-ip
  - Presented at IETF 104
  - Update (-04)
    - Route Priority added in Explicit Peer Route TLV
    - Editorial changes
- draft-ietf-pce-enhanced-errors
  - Presented at IETF 104
  - Update (-06)
    - Agreed guideline for future documents are added
    - Editorial changes

Recent WG documents

- draft-ietf-pce-flexible-grid
  - Adopted before 104
  - Update (-02)
    - Good cleanup of document
- draft-ietf-pce-segment-routing-ipv6
  - Adopted before 104
  - Update (-03)
    - Rearranging of text
    - Syncing with changes in PCEP-SR
    - Editorial changes

Recent WG documents

- draft-ietf-pce-binding-label-sid
  - Adopted after 105
  - One update (-01) posted since
- draft-ietf-pce-vn-association
  - Adopted after 105
  - One update (-01) posted since
- draft-ietf-pce-sr-path-segment
  - Adopted after 105
  - No update

Adoption Poll Queue

- draft-zhao-pce-pcep-extension-pce-controller-sr
- draft-li-pce-sr-bidir-path
- draft-dugeon-pce-stateful-interdomain
- draft-barth-pce-segment-routing-policy-cp

Thanks