

SPRING

IETF 106
November 2019

Note Well

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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)

Minutes & Jabber

- We need a jabber scribe and some help with the minutes...
- Minutes can be collaborative:
 - Etherpad - [linked here](#) or on tools.ietf.org/wg/spring/minutes

WG Update

- SPRING now has a secretary, welcome Shuping Peng!
 - Thanks for all your help with putting together the IETF 106 agenda.

Document Updates (I)

- Key documents (in [C340](#)) working their way through AUTH-48.
 - [draft-ietf-isis-l2bundles-07.txt \(RFC-to-be 8668\)](#) AUTH48*R
 - [draft-ietf-ospf-segment-routing-extensions-27.txt \(RFC-to-be 8665\)](#) AUTH48*R
 - [draft-ietf-spring-segment-routing-central-epe-10.txt](#) MISSREF*R(3G)
 - [draft-ietf-mpls-spring-entropy-label-12.txt \(RFC-to-be 8662\)](#) AUTH48*R
 - [draft-ietf-idr-bgp-prefix-sid-27.txt \(RFC-to-be 8669\)](#) AUTH48*R
 - [draft-ietf-spring-segment-routing-ldp-interop-15.txt \(RFC-to-be 8661\)](#) AUTH48*R
 - [draft-ietf-spring-segment-routing-msdc-11.txt \(RFC-to-be 8670\)](#) AUTH48*R
 - [draft-ietf-ospf-ospfv3-segment-routing-extensions-23.txt \(RFC-to-be 8666\)](#) AUTH48*R
 - [draft-ietf-pce-segment-routing-16.txt \(RFC-to-be 8664\)](#) AUTH48-DONE*R
 - [draft-ietf-idr-bgpls-segment-routing-epe-19.txt](#) MISSREF*R(2G)
 - [draft-ietf-spring-segment-routing-mpls-22.txt \(RFC-to-be 8660\)](#) AUTH48-DONE
 - [draft-ietf-isis-segment-routing-extensions-25.txt \(RFC-to-be 8667\)](#) AUTH48-DONE*R
 - [draft-ietf-mpls-sr-over-ip-07.txt \(RFC-to-be 8663\)](#) AUTH48*R
 - [draft-ietf-idr-bgp-ls-segment-routing-ext-16.txt](#) MISSREF*R(1G)
 - [draft-ietf-mpls-egress-protection-framework-07.txt \(RFC-to-be 8679\)](#) AUTH48*R
- Key SR-MPLS documents are now standardized

Document Updates (II)

- Active working group drafts:
 - draft-ietf-spring-mpls-path-segment
 - draft-ietf-spring-nsh-sr (**new WG document**)
 - draft-ietf-spring-segment-routing-policy
 - draft-ietf-spring-sr-service-programming (**new WG document**)
 - draft-ietf-spring-sr-yang
 - draft-ietf-spring-srv6-network-programming (**update today**)

Document Updates (II)

- Adoption calls:
 - draft-voyer-spring-sr-replication-segment: will start this week
 - draft-dong-spring-sr-for-enhanced-vpn: next on the line

WG coordination

- MPLS WG prefers to host the following documents
 - Performance Measurement for Segment Routing Networks with MPLS Data Plane (draft-gandhi-mpls-rfc6374-sr)
 - Segment Routing with MPLS Data Plane Encapsulation for In-situ OAM Data (draft-gandhi-mpls-ioam-sr)
- IPPM WG prefers SPRING to host the following doc
 - Performance Measurement Using TWAMP for Segment Routing Networks (draft-gandhi-spring-twamp-srpm)

“Beyond SRv6”

- Thanks for the active discussion on the mailing list!
- Continued consensus on SRv6
 - Operators and vendors are interested in SRv6 in its current form
 - **We should continue to progress this work.**
- Some interest to look at reducing the header size for use cases requiring many SIDs
 - Some operators and vendors showed interest.
 - Several solutions on the table. Need to be explicit about the goals and the costs of each proposal.
 - Authors are invited to explicit both in their document (short text)
- Let's **complete SRv6** and use the learnings from interested operators and vendors as to what the next steps after that should be.

- o Administrivia / Chairs [10 minutes]
- o SRv6 Network Programming [20 minutes]
 - draft-ietf-spring-srv6-network-programming-05 / Pablo Camarillo
- o YANG Data Model for SRv6 Base and Static [5 minutes]
 - draft-raza-spring-srv6-yang-05
- o YANG Data Model for Segment Routing Policy [10 minutes]
 - draft-raza-spring-sr-policy-yang-02 / Kamran Raza / Sonal Agarwal
- Unified Identifier in SRv6: use case and the solution [10 minutes]
- o Unified Identifier usecase in IPv6 Segment Routing Networks
 - draft-wmsaxw-6man-usid-id-use-00
- o Unified Identifier in IPv6 Segment Routing Networks
 - draft-mirsky-6man-unified-id-sr-04 / Greg Mirsky / Weiqiang Cheng

- o Segment Routing Mapped To IPv6 (SRm6) [10 minutes]
 - draft-bonica-spring-srv6-plus-06 / Ron Bonica
- o Path Segment for SRv6 (Segment Routing in IPv6) [7 minutes]
 - draft-li-spring-srv6-path-segment-04 / Cheng Li
- o Segment Routing Header encapsulation for In-situ OAM Data [10']
 - draft-ali-spring-ioam-srv6-02/ Zafar Ali
- o An Experiment of SRv6 Service Chaining at Interop Tokyo 2019 ShowNet [5']
 - draft-upa-srv6-service-chaining-exp-00 / Ryo Nakamura
- o SRv6 Tagging proxy [10 minutes]
 - draft-eden-srv6-tagging-proxy-00 / Yukito Ueno
- o SRv6 for Deterministic Networking (DetNet) [10 minutes]
 - draft-geng-spring-srv6-for-detnet-00
- o DetNet SRv6 Data Plane Encapsulation
 - draft-geng-detnet-dp-sol-srv6-01 / Xuesong Geng