Service Function Chaining (SFC)

IETF 102
Montreal

WG Chairs:
Jim Guichard (jguichard1966@gmail.com)
Joel Halpern (jmh@joelhalpern.com)

Note Well

- This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR policy is set forth in BCP 79; please read it carefully.

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Agenda (Brief)

- Introduction & Agenda Bashing
- In Situ OAM and Proof of Transit items
- Service Chaining over Segment Routing and MPLS
- NSH Explicit Congestion Control
- Identification of Ovlary OAM
- Name Based Service Function Forwarder
- Multi-Domain SFC and ALTO
- AOB/Closing

Agenda (Detailed, 1/3)

- Introduction (WG-chairs) - [10 minutes]
  - Agenda bashing, note-well, (WG-chairs) - [10 minutes]
- NSH Encapsulation for In-situ OAM Data (Frank Brockners) - [10 minutes]
  - https://tools.ietf.org/html/draft-ietf-sfc-ioam-nsh-00
- Proof of Transit (Frank Brockners) - [10 minutes]
  - https://tools.ietf.org/html/draft-ietf-sfc-proof-of-transit-00
- Ordered Proof of Transit Discussion (Diego Lopez) - [10 minutes]
  - [Discussion about extensions to the proof-of-transit draft]

Agenda (Detailed, 2/3)

- Segment Routing for Service Chaining (Francois Clad) - [10 minutes]
  - https://tools.ietf.org/html/draft-xuclad-spring-sr-service-chaining-01
- NSH and Segment Routing Integration for Service Function Chaining (SFC) (Jim Guichard) - [10 minutes]
  - https://tools.ietf.org/html/draft-guichard-sfc-nsh-sr-02
- MPLS Encapsulation for SFC NSH (Andrew Malis) - [10 minutes]
  - https://tools.ietf.org/html/draft-malis-mpls-sfc-encapsulation-00
- Network Service Header (NSH) Explicit Congestion Notification (ECN) Support (Donald Eastlake) - [10 minutes]
  - https://tools.ietf.org/html/draft-eastlake-sfc-nsh-ecn-support-01

Agenda (Detailed, 3/3)

- Identification of Overlay Operations, Administration, and Maintenance (OAM) (Greg Mirsky) - [10 minutes]
  - https://tools.ietf.org/html/draft-mirsky-rtgwg-oam-identify-00
- Name-Based Service Function Forwarder (nSFF) component within SFC framework (Dirk Trossen) - [10 minutes]
  - https://tools.ietf.org/html/draft-trossen-sfc-name-based-sff-00
- Multi-domain Service Function Chaining with ALTO (Qiao Xiang / Danny Alex Lachos Perez - remote) - [10 minutes]
  - https://tools.ietf.org/html/draft-lachos-multi-domain-sfc-alto-00
- AOB
- Closing (WG chairs) - [5 minutes]

WG Progress Summary

- Several areas of progress since IETF 100:
  - RFC 8393 ‘Operating the Network Service Header (NSH) with Next Protocol “None”’ published.
  - Draft-ietf-sfc-proof-of-transit adopted
  - Draft-ietf-sfc-hierarchical approved by IESG for publication as an RFC
- Work needed – many
  - Draft-ietf-sfc-nsh-tlv
  - Security