draft-ietf-spring-segment-routing-policy-01

Ketan Talaulikar on behalf of

C. Filsfils, S. Sivabalan (Cisco Systems, Inc)

D. Voyer (Bell Canada)

A.   Bogdanov (Google, Inc)

B.   P. Mattes (Microsoft)

Updates Since IETF 101

- SPRING WG adoption call was started after IETF 101

- draft-filsfils-spring-segment-routing-policy-05 was adopted

- Comments received during presentation at IETF 101 & during WG adoption call incorporated

- Major change was re-organization of draft-filsfils-spring-segment-routing-policy-05 to first focus on progression of core SR Policy framework and other aspects moved into separate documents

- Minor changes to clarify details and improve text based on comments/feedback

Document Re-organization

- draft-ietf-segment-routing-policy
  - Core SR Policy Architecture
- draft-filsfils-spring-sr-policy-considerations
  - Content from Appendix (sec 14 & some other) of draft-filsfils-spring-segment-routing-policy-05
  - Implementation aspects for SR Policy on head-end and controller
  - Deployment aspects and use-cases
- draft-filsfils-spring-sr-traffic-counters
  - Content from sec 13 of draft-filsfils-spring-segment-routing-policy-05
  - Traffic counters for SR

SR Policy Architecture draft Focuses on

- SR Policy Framework & Information Model
- Segment Routing Database used for SR Policy
- Segment Types
- Validation of Candidate Path and Selection of Active CP
- Binding SID Concept & Usage
- Steering Mechanisms for SR Policy
- Protection Mechanisms

Status

- Document has matured with contributions from multiple vendors and operators
  - We have existing implementations
  - We have ongoing deployments/trials
- Document being updated with clarifications and details based on deployment and implementation experience
- Work on-going on various aspects like signalling, YANG model, OAM, etc. in separate documents

Next Steps …

- Welcome review and inputs/feedback from WG