P4 Applications Working Group Meeting

April 19, 2018

INT Specifications v1.0

- Candidate specifications as of April 19, 2018 tagged as v1.0
  - Dataplane Specification
  - Report Format Specification
- Thank you for your contributions to the specification
- Thank you for valuable discussions at the Working Group meetings, and review of the specifications

Potential Future activities

- INT Open Source development based on v1.0

- Potential extensions and new capabilities beyond 1.0

  - Communication of metadata semantics from dataplane to monitoring engine

  - Using IP Header Options to indicate INT

  - Hierarchical INT domains

  - Opaque Metadata (similar to opaque state snapshot field in In-situ OAM)

  - Lightweight INT for end-host operations

    - Troubleshooting: Advanced Traceroute

    - Congestion Control

    - Use Type 2 Destination Header between end-hosts?

  - Other INT work items, use-cases, capabilities

- Other P4 applications: Segment Routing, L4 Load Balancing, NetCache, 5G Network Slicing

Open Questions

- What do you expect from Apps WG?
- What do you feel like to contribute to the WG?
- How can we motivate people to share their work, open source code?