TSVWG #1
IETF-100 (Singapore)

13th November 2017

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WG chairs

Note Well

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I E T F
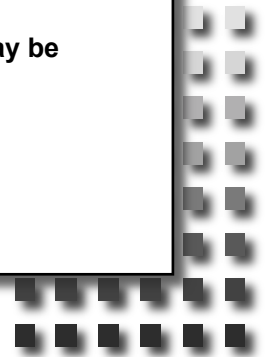
HELP TSVWG!

- Need a Note Taker
- Need a scribe for Jabber session
- Need reviewers for WG drafts

- Future TSVWG Authors:
  PLEASE add "-tsvwg-" to any ID submitted

Document Review Request

- Document quality relies on reviews, please review documents in your working group and at least one other document from another working group.

- If you'd like documents that you care about reviewed, please put the effort in to review other documents.

TSVWG Accomplishments and Status

- No RFCs published since IETF 99

- 3 Internet-Drafts (IDs) in RFC Editor Queue:
  - DiffServ and Web RTC QoS
    - RFC Editor State: MISSREF [several rtcweb drafts]
  - DTLS Encap of SCTP for Web RTC
    - RFC Editor State: Authors 48 Hours
  - SCTP I-DATA Chunk (sctp-ndata draft)
    - RFC Editor State: Authors 48 Hours

TSVWG Accomplishments and Status

- 1 ID in post-IETF-Last-Call processing
  - ECN Experimentation
    - New version(s) coming soon, approval expected

- 1 ID in IESG Evaluation after IETF Last Call
  - DiffServ to IEEE 802.11 (WiFi) Mapping

- 1 ID likely to go to WG Last Call soon
  - Diffserv Lower Effort PHB
    - One serious open issue (DSCP selection)

TSVWG Accomplishments and Status

- Additional Working Group IDs (11!)
  1) ECN Encapsulation for lower layer protocols
  2) ECN for Tunnels that use shim headers
  3) SCTP NAT Support
  4) SCTP (RFC 4960) Errata and Issues
  5) L4S Architecture
  6) L4S Identifier (ECN)
  7) L4S AQM (dualq-coupled)
  8) UDP Options
  9) FEC Framework Extension
  10) FEC Sliding Window Random Linear Code
  11) Tunnel Congestion Feedback

TSVWG: Related Drafts

- Transport-related (on tsvwg agenda):
  - Transport Header Encryption Impacts draft-fairhurst-tsvwg-transport-encrypt
  - Datagram Packetization Layer PMTUD draft-fairhurst-tsvwg-datagram-plpmtud

- Internet-related (intarea WG):
  - Tunnel MTU Considerations
    draft-ietf-intarea-tunnels
  - MPT Network Layer Multipath Library
    draft-lencse-tsvwg-mpt-00
  - SOCKS Protocol Version 6 (also mptcp WG)
    draft-olteanu-intarea-socks-6-01

TSVWG: More Related Drafts

- Priority Switching Scheduler
  - draft-finzi-priority-switching-scheduler-00

- Deterministic Networking (detnet WG)
  - Transport Layer for Deterministic Networks
  - draft-thubert-tsvwg-detnet-transport-01

TSVWG Agenda

Chairs Agenda Bashing
NOTE WELL

Monday's Agenda
Document Accomplishments and Status
Milestones Review
Drafts

Friday's Agenda
NOTE WELL
Drafts

WG Milestones Review (1)

- **Oct 2017**   **Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC**

- **Oct 2017**   **Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim' as a Proposed Standard RFC**

- **Dec 2017**   **Submit 'RFC 4960 Errata and Issues' (SCTP) as an Informational RFC**

- **Dec 2017**   **Submit 'SCTP NAT Support' to IESG as a PS RFC**

- **Dec 2017**   **Submit 'A Lower Effort Per-Hop Behavior (LE PHB)' as a Proposed Standard RFC**

- **Apr 2018**   **Submit "Transport Options for UDP" as a Proposed Standard RFC**

Won't complete first 5 drafts done in next month – need new milestones ☺.

WG Milestones Review (2)

- **Jun 2018**   **Submit "Forward Error Correction (FEC) Framework Extension to Sliding Window Codes" as a Proposed Standard RFC**

- **Jun 2018**   **Submit "Sliding Window Random Linear Code (RLC) Forward Erasure Correction (FEC) Scheme for FECFRAME" as a Proposed Standard RFC**

- **Sep 2018**   **Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC**

- **Sep 2018**   **Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC**

- **Sep 2018**   **Submit "Identifying Modified Explicit Congestion Notification (ECN) Semantics for Ultra-Low Queuing Delay" as an Experimental RFC**

- **Dec 2018**   **Submit 'Tunnel Congestion Feedback' as an Informational RFC**

Agenda for Monday

1) Agenda bashing
2) Document Status, Charter and Accomplishments
   – ECN Experimentation
   – DiffServ and IEEE 802.11
   – Related drafts
   – WG Charter and Milestones
3) ECN Encapsulation drafts
   – draft-ietf-tsvwg-ecn-encap-guidelines
   – draft-ietf-tsvwg-rfc6040update-shim
4) LE (Lower Effort) PHB – round 1
   – Goal: Prepare for DSCP selection on Friday
   – draft-ietf-tsvwg-le-phb
5) Transport Encryption
   – draft-fairhurst-tsvwg-transport-encrypt