TSVWG
IETF-109 (virtual)

16th & 18th November 2020

Gorry Fairhurst
Wes Eddy
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WG chairs
Note Well

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Definitive information is in the documents listed below and other IETF BCPs. 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)
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
Meetecho Usage Tips

• Chat and Meeting Notes:
  – Separate tabs/windows may be easier to use:
    • Chat: Can be separated into jabber-like window
    • Meeting notes: Separate CodiMD (editor) tab or window
  – Keeps Meetecho focus on speakers, queue and slides

• Discussion – Please use Meetecho mic queue:
  – Click “hand+mic” icon to join mic queue
  – Please avoid “triangle+mic” (interrupting is not polite)
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

• 1 RFC published since IETF 108:
  − Datagram PL Path MTU Discovery (RFC 8899)

• 1 Internet-Draft (ID) [still] in AUTH-48-DONE (!!) at RFC Editor:
  − Diffserv and Web RTC QoS
    • Part of the (in)famous WebRTC cluster 238
    • Includes updates for LE PHB (RFC 8622)

• 1 ID at IESG (AD is reviewing [evaluating])
  − Transport Header Confidentiality Impacts
TSVWG Accomplishments and Status

• 3 IDs with WG chairs & authors after WGLC:
  – ECN Encapsulation for Lower Layer Protocols
    • New fragmentation interaction text needed
  – ECN for Tunnels that use Shim Headers
    • New fragmentation interaction text needed
  – SCTP NAT Support
    • Awaiting a Document Shepherd Write up

• No IDs in WG Last Call
TSVWG Accomplishments and Status

• Additional Working Group IDs (6)

  1) SCTP (RFC 4960.bis)
  2) L4S Architecture
  3) L4S Identifier (ECN)
  4) L4S AQM (dualq-coupled)
  5) Non-Queue-Building (NQB) PHB
  6) UDP Options

• Tunnel congestion feedback ID was dropped due to lack of interest/progress
TSVWG: Related Drafts

• Transport-related:
  – IPv6 Path MTU Discovery (draft-ietf-6man-mtu-option)
  – Low Latency DOCSIS (Submitted to ISE)
    • draft-briscoe-docsis-q-protection
    • draft-white-tsvwg-lld
  – DP Path MTU Discovery: UDP Options
    • draft-fairhurst-tsvwg-udp-options-dplpmtud
  – L4S operations
    • draft-white-tsvwg-l4sops
  – SCTP
    • draft-tuexen-tsvwg-sctp-udp-encaps-cons
  – New CC
    • draft-pan-tsvwg-hpccplus
    • draft-dai-tsvwg-pfc-free-congestion-control
TSVWG Agenda

Chairs Agenda Bashing
   NOTE WELL

Monday Agenda
   Document Accomplishments and Status
   Milestones Review
   Drafts

Wednesday Agenda
   More Drafts
WG Milestones Review (1)

- **Sep 2020** Submit 'SCTP NAT Support' to IESG as a Proposed Standard RFC *(Almost done, no date change)*

- **Oct 2020** Submit "Low Latency, Low Loss, Scalable Throughput (L4S) Internet Service: Architecture" as an Informational RFC *(Move to Oct 2021 with other L4S drafts)*

- **Nov 2020** Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC *(no date change)*

- **Nov 2020** Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim as a Proposed Standard RFC *(Almost done, no date change)*

- **Dec 2020** Submit “SCTP” (rfc4960bis) as a Proposed Standard RFC
WG Milestones Review (2)

• Feb 2021 Submit "Transport Options for UDP" as a Proposed Standard RFC

• Feb 2021 Submit “A Non-Queue-Building Per Hop Behavior (NQB PHB) ...” as a Proposed Standard RFC Dec 2020

• Oct 2021 Submit "DualQ Coupled AQM for Low Latency, Low Loss and Scalable Throughput" as an Experimental RFC

• Oct 2021 Submit "Identifying Modified Explicit Congestion Notification (ECN) Semantics for Ultra-Low Queuing Delay“ as an Experimental RFC
Agenda for Monday

1. Agenda
2. Chairs Update
3. Announcements and Heads-Up
   
   *ONE slide to be presented by chairs*

4. SCTP Drafts
   4.1 Michael Tuexen: bis update to SCTP Spec.
      
      *draft-ietf-tsvwg-rfc4960-bis*

5. Transport Working Group Drafts: Protocols
   5.1 Joe Touch (proxy/remote): UDP Options
      
      *draft-ietf-tsvwg-udp-options*

   5.2 Gorry Fairhurst: DPLPMTUD for UDP Options
      
      *draft-fairhurst-tsvwg-udp-options-dplpmtud-03*

   5.3 Greg White: Identifying and Handling Non-Queue Building Flows
      
      *draft-ietf-tsvwg-nqb*

6. Individual Drafts
   6.1 Markus Amend: DCCP Extensions for Multipath Operation
Agenda for Wednesday

7. Transport Working Group Drafts: ECN
   7.1 Agenda Recap
   7.2 Greg White: L4S Operational Guidance
       draft-white-tsvwg-l4sops
   7.2 Bob Briscoe: L4S ECN drafts
       draft-ietf-tsvwg-ecn-l4s-id
       draft-ietf-tsvwg-l4s-arch
       draft-ietf-tsvwg-aqm-dualq-coupled

8. All Other Business
   8.1 Davide Brunello’s thesis work relevant to L4S (TBD)