TSVWG
IETF-116 (Yokohoma, Japan)

March 2023

Gorry Fairhurst
Marten Seeman
WG chairs
Mirja Kuehlewind
‘guest’ Chair!
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 reviewers for WG drafts

• Future TSVWG Authors:
  PLEASE add “-tsvwg-” to any ID submitted
Meetecho

• Please use Meetecho mic queue:
  – Click “hand” icon to join mic queue
  – Please do not use “mic” icon until asked by chairs
Document Review Request

• Document quality relies on reviews.

• If you’d like documents that you care about reviewed, please put the effort in to review other documents.
TSVWG Accomplishments and Status

3 drafts published as RFCs since IETF-115

- draft-ietf-tsvwg-ecn-l4s-id as RFC9330
- draft-ietf-tsvwg-l4s-arch as RFC9331
- draft-ietf-tsvwg-aqm-dualq-coupled as RFC9332

1 draft with RFC Ed
  - DSCP Considerations

No drafts at IESG after IETF Last Call
TSVWG Status

2 drafts with WG chairs & authors after WG Last Call:
  • ECN Encapsulation for Lower Layer Protocols
  • Working through revised reframing interaction text
  • ECN for Tunnels that use Shim Headers
  • No open issues – fragmentation issue resolved

3 drafts have just completed 1st WG Last Call
  • UDP Options
  • DPLPMTUD for UDP Options
  • Non-Queue-Building (NQB) PHB

  • These drafts received detailed comments
  • Another WGLLC will be scheduled
Remaining Working Group IDs

L4S Operational Guidance

DTLS/SCTP

Multipath DCCP (please review – see later)

User Ports for Experiments (please review)
TSVWG: Related IDs
(not on this meeting agenda)

Please post to list or talk to authors if interested

ECN Over Aggregating Tunnels
  – draft-duke-tsvwg-ecn-aggregating-tunnels

Comcast ISP Low Latency Deployment Design Rec.
  – draft-livingood-low-latency-deployment

Guidelines for Internet Congestion Control at Endpoints
  – draft-fairhurst-tsvwg-cc

More Accurate ECN Feedback in TCP (TCPM WGLC)
  – draft-ietf-tcpm-accurate-ecn-23
WG Milestones

- March 2023  "DTLS over SCTP" as a Proposed Standard RFC
- April 2023  Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC
- April 2023  Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim' as a PS RFC
- July 2023   Submit "DCCP Extensions for Multipath Operation with Multiple Addresses" as an EXP RFC
- July 2023   Submit "Operational Guidance for Deployment of L4S in the Internet" as an INFO RFC
- Sep 2023    Submit "Transport Options for UDP" as a PS RFC
- May 2023    Submit "Datagram PLPMTUD for UDP Options" as a PS RFC
- Sep 2023    Submit NQB PHB as a PS RFC [currently in WGLC]
TSVWG Agenda (Tuesday)

1. Agenda – These slides

2. Chairs Update – These slides
   ECN encapsulation drafts status
   Active WG drafts status

3. WG Differentiated Services & AQM Drafts:
   3.1 Greg White: L4S Operational Guidance
       draft-ietf-tsvwg-l4sops
   3.2 Greg White: NQB
       draft-ietf-tsvwg-nqb

4. Transport Drafts
   4.1 Markus Ahmed: MP-DCCP
       draft-ietf-tsvwg-multipath-dccp
   4.2 UDP Options and DPLPMTUD for UDP Options
       draft-ietf-tsvwg-udp-options
       draft-ietf-tsvwg-udp-options-dplpmtud
TSVWG Agenda (Tuesday part 2)

5. Other Individual Drafts
   5.1 Nicolas Kuhn: Careful resumption of CC
       draft-kuhn-quic-careful-resume
   5.3 Matt Mathis: Safe Congestion Control (15 mins)
       draft-mathis-tsvwg-safecc
   5.2 John Kaippallimalil: Metadata for Media Packets
       draft-kaippallimalil-tsvwg-media-hdr-wireless

6. Any Other Business (If time permits)
   6.1 Tiru Reddy: Encrypted Transport Protocol Path Explicit Signals
       draft-reddy-tsvwg-explicit-signal
TSVWG Agenda (Thursday)

5. 8. SCTP Drafts
   8.1 Magnus Westerlund: DTLS protection for SCTP
      draft-ietf-tsvwg-dtls-over-sctp-bis
      draft-westerlund-tsvwg-sctp-crypto-chunk
      draft-westerlund-tsvwg-sctp-crypto-dtls

   8.2 Michael Tuexen*: Zero Checksum for SCTP
      draft-tuexen-tsvwg-sctp-zero-checksum

   8.3 Michael Tuexen*: SCTP-Auth 4895.bis
      draft-tuexen-tsvwg-rfc4895-bis

   8.4 Michael Tuexen*: SCTP/UDP  6951.bis
      draft-tuexen-tsvwg-rfc6951-bis

9. Other Individual Drafts
   9.1 Louis Chan: Enhanced Port Forwarding functions with CGNAT
      draft-chan-tsvwg-eipf-cgnat-02.txt