

TSVWG #1

IETF-96 (Berlin)

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WG chairs

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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

- We’re looking for a third WG chair (or secretary)
 - If interested, please talk to the chairs and ADs

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

- 2 RFCs published since IETF 95:
 - SCTP-PF: Quick Failover (RFC 7829)
 - NAT Behavioral Reqts. Updates (RFC 7857)
- 2 Internet-Drafts in RFC Editor Queue:
 - DTLS Encap of SCTP for Web RTC
 - RFC Editor State: MISSREF [SCTP I-DATA draft]
 - Network Transport Circuit Breakers
 - RFC Editor State: MISSREF [UDP guidelines draft]

TSVWG Accomplishments and Status

- 1 ID in post-IESG-approval processing
 - DiffServ and Web RTC QoS
 - Open Issue: Fallback if non-zero DSCP causes traffic black-hole (i.e., all traffic discarded)
 - WebRTC: Use ICE to send STUN probes (RTCWEB WG working out details & plan this week)
- 1 ID in post-IETF-Last-Call processing
 - UDP Usage Guidelines Update (rfc5405bis)
 - Open Issue: RTO (Retransmission Time Out) text (TCPM WG discussed plan for resolution)

TSVWG Accomplishments and Status

- 1 ID in IETF LC
 - GRE in UDP
- 1 ID completed WG Last Call
 - DiffServ Interconnection
 - RFC Publication request coming soon
- 3 IDs likely to go to WG LC soon
 - Tunnel Congestion Feedback
 - SCTP I-DATA Chunk (sctp-ndata draft)
 - SCTP NAT Support

TSVWG Accomplishments and Status

- 1 additional WG ID
 - ECN Encapsulation Guidelines
 - New ID being split out of this draft
- 1 WG ID adopted since IETF 95
 - DiffServ to IEEE 802.11 Mapping

TSVWG: Related Drafts

- Congestion control for 4G and 5G access
 - draft-johansson-cc-for-4g-5g
- Latency Loss Tradeoff PHB Group
 - draft-you-tsvwg-latency-loss-tradeoff
- INT Area: Tunnel MTU Considerations
 - draft-ietf-intarea-tunnels
- BOF: Low Latency Low Loss Scalable throughout (L4S)
 - draft-briscoe-tsvwg-aqm-tcpm-rmcat-l4s-problem
 - draft-briscoe-tsvwg-ecn-l4s-id
 - draft-briscoe-aqm-dualq-coupled
 - draft-bagnulo-tcpm-tcp-low-rtt
 - draft-bagnulo-tsvwg-generalized-ecn

TSVWG: UDP Encapsulation-related drafts

- RTG Area: Encapsulation Considerations
 - draft-ietf-rtgwg-dt-encap
- NVO3: Network Virtualization Overlay Encapsulations
 - draft-ietf-nvo3-geneve
 - draft-ietf-nvo3-gue (may move to intarea)
 - draft-ietf-nvo3-vxlan-gpe
 - (NVO3 Architecture draft: draft-ietf-nvo3-arch)

UDP Transport-related BOFs

- BOF: Path Layer UDP Substrate (PLUS):
 - draft-trammell-spud-req
 - draft-kuehlewind-spud-use-cases
 - draft-marjou-spud-traceroute-use-cases

- BOF: QUIC
 - draft-tsvwg-quic-protocol
 - draft-tsvwg-quic-loss-recovery
 - draft-thomson-quic-tls
 - draft-shade-quic-http2-mapping
 - draft-wing-quic-network-req

TSVWG Agenda

Chairs Agenda Bashing

NOTE WELL

Wednesday's Agenda

Document Accomplishments and Status

Milestones Review

Drafts

Friday's Agenda

NOTE WELL

Drafts

AQM WG mini-meeting

WG Milestones Review

- **DONE** Submit 'UDP Usage Guidelines' as a BCP RFC
- **Jan 2016** Submit 'DiffServ interconnection classes and practice' as an Informational RFC [WGLC done, will submit soon]
- **DONE** Submit 'DSCP packet markings for RTCWeb QoS' as a Proposed Standard RFC
- **DONE** Submit 'Specification of GRE in UDP encapsulation' to IESG as a PS RFC
- **May 2016** Submit 'SCTP New Data Chunk' as a Proposed Std RFC [Move to September]
- **July 2016** Submit 'Tunnel Congestion Feedback' as an Informational RFC [Move to August]
- **Sep 2016** Submit 'SCTP NAT Support' to IESG as a PS RFC [Move to September]
- **Sep 2016** Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC [Split into PS & BCP drafts, Move to December]
- **NEW** Submit 'Guidelines for DiffServ to IEEE 802.11 Mapping' as an Informational RFC [New milestone: December]

IDs calling for WG adoption

- Updating ECN Congestion Control Response
 - draft-khademi-tsvwg-ecn-response
 - (partially replaces draft-khademi-alternativebackoff-ecn)
- Propagating ECN Across IP Tunnels with Shim Headers
 - draft-briscoe-tsvwg-rfc6040bis
 - draft is an update, not a replacement (bis)

Agenda for Wednesday (part 1)

- 1) Agenda bashing
- 2) Document Status, Charter and Accomplishments
 - Network Transport Circuit Breakers
 - DiffServ for Web RTC
 - GRE in UDP
- 3) Drafts with WG chairs or IESG
 - 3.1) UDP Usage Guidelines (IETF LC complete)
 - 3.2) DiffServ interconnection classes (WG LC complete)
- 4) Charter and Milestones

Agenda for Wednesday (part 2)

5) Drafts

5.1) ECN and RTP Circuit breakers

Related to draft-ietf-avtcore-ntp-circuit-breakers

5.2) TCP Alternative Backoff with ECN (ABE)

draft-khademi-tsvwg-ecn-response

(WG Adoption Requested)

5.3) Identifying Modified ECN Semantics for L4S

draft-briscoe-tsvwg-ecn-l4s-id (from L4S BOF

5.4) Forward Error Correction (FEC) Framework v2

draft-roca-tsvwg-fecframev2

5.5) Lower Effort Per-Hop Behavior (LE PHB) [if time permits]

draft-bless-tsvwg-le-phb

Agenda for Friday (part 1)

6) Agenda review

7) WG drafts

7.1) DiffServ and IEEE 802.11

7.2) Adding congestion control to protocols that encapsulate IP

Includes draft-briscoe-tsvwg-rfc6040bis (IP-in-IP with shims)

[7.3) Tunnel Congestion Feedback – ready for WGLC, no presentation]

8) SCTP Drafts

8.1) Stream Schedulers and User Message Interleaving (WG draft)

8.2) RFC 4960 Errata and Issues

draft-tuexen-tsvwg-rfc4960-errata

8.3) Network Address Translation Support (WG draft)

8.4) Additional Considerations for UDP Encap of SCTP Packets

draft-tuexen-tsvwg-sctp-udp-encaps-cons

Agenda for Friday (part 2)

9) Individual Drafts

9.1) Transport Options for UDP

draft-touch-tsvwg-udp-options

9.2) Transport layer protocols over UDP

draft-herbert-transports-over-udp

10) AQM WG meeting within TSVWG

David and Gorry proxy for AQM chairs

- Reminder to review updated CoDel draft

draft-ietf-aqm-codel

- Next Steps

Status of existing charter milestones

Possible rechartering