TSVWG #1
IETF-99 (Prague)

18th July 2017

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Wes Eddy

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WG chairs
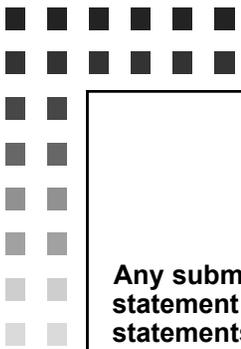
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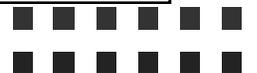
HELP TSVWG!

- 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 98
  - 4 RFCs published between IETF 97 and 98

- 2 Internet-Drafts (IDs) in RFC Editor Queue:
  - DiffServ and Web RTC QoS
    - RFC Editor State: MISSREF [sctp-ndata draft]
  - DTLS Encap of SCTP for Web RTC
    - RFC Editor State: MISSREF [sctp-ndata draft]

- No IDs in IETF Last Call or post-IETF-Last-Call processing

TSVWG Accomplishments and Status

- 2 IDs in AD Evaluation before IETF Last Call:
  - SCTP I-DATA Chunk (sctp-ndata draft)
  - ECN Experimentation
    - IANA Considerations change likely

- 1 ID completed WG Last Call (awaiting WG chair and/or author follow-up)
  - Tunnel Congestion Feedback
    - One open issue (congestion control interaction)

TSVWG Accomplishments and Status

- 1 ID completing 2nd WG Last Call
  - DiffServ to IEEE 802.11 (WiFi) Mapping
    - Significant changes to conditioning text (no change to DSCP mapping to 802.11) from first WG Last Call
    - WGLC is closing!

- 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 (8!)
    1) ECN Encapsulation Guidelines
    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
- But wait … there are more …

FEC (Forward Error Correction) Drafts

- We are announcing WG adoption of these drafts
  - FEC Framework Extension
    - draft-roca-tsvwg-fecframev2
  - FEC Sliding Window Random Linear Code
    - draft-roca-tsvwg-rlc-fec-scheme
- This is TSV Area maintenance work that does not justify forming a separate WG
  - No further additional FEC work expected

TSVWG: Related Drafts

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

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

TSVWG Agenda

Chairs Agenda Bashing
  NOTE WELL

Tuesday's Agenda
    Document Accomplishments and Status
    Milestones Review
    Drafts

Thursday's Agenda
    NOTE WELL
    Drafts

WG Milestones Review

- **Apr 2017**   Submit 'Tunnel Congestion Feedback' as an Informational RFC [Discuss what to do today]

- **Sep 2017**   Submit 'Guidelines for DiffServ to IEEE 802.11 Mapping' as an Informational RFC [no change]

- **Sep 2017**   Submit 'A Lower Effort Per-Hop Behavior (LE PHB)' as a Proposed Standard RFC [no change]

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

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

- **Sep 2017**   Submit 'RFC 4960 Errata and Issues' (SCTP) as an Informational RFC [move to Dec]

- **Dec 2017**   Submit 'SCTP NAT Support' to IESG as a PS RFC [no change]

Drafts: WG Milestones Needed

- ## L4S Drafts (suggest: September 2018)
  - Architecture
  - Identifier (ECN)
  - AQM (dualq-coupled)
- ## UDP Options draft (suggest: April 2018)
- ## FEC Drafts (suggest: June 2018)
  - Framework Extension
  - Sliding Window Random Linear Code

Agenda for Tuesday (part 1)

1) Agenda bashing

2) Document Status, Charter and Accomplishments

- – Tunnel Congestion Feedback

- – ECN Experimentation

- – SCTP I-DATA chunk (sctp-ndata draft)

- – DiffServ and IEEE 802.11

- – WG Charter and Milestones

WG-adopted draft: UDP Options

Agenda for Tuesday (part 2)

3) ECN-related Drafts

    3.1) & 3.2) A Lower Effort Per-Hop Behavior (LE PHB)

   –   draft-ietf-tsvwg-le-phb

   ❖   Discussion of DSCP choice

    3.3) & 3.4) ECN for Protocols that Encapsulate IP

   – draft-ietf-tsvwg-ecn-encap-guidelines

   – draft-ietf-tsvwg-rfc6040update-shim

    3.5), 3.6) & 3.7) L4S drafts

   – draft-ietf-tsvwg-l4s-arch

   – draft-ietf-tsvwg-ecn-l4s-id

   – draft-ietf-tsvwg-dualq-coupled

TSVWG #2
IETF-99 (Prague)

20th July 2017

Gorry Fairhurst

Wes Eddy

David Black

WG chairs

Agenda for Thursday

4) Agenda review

5) WG SCTP Drafts

    5.1) Network Address Translation Support

   – draft-ietf-tsvwg-natsupp

    5.2) RFC 4960 Errata and Issues

   – draft-ietf-tsvwg-rfc4960-errata

6) Individual Drafts

    6.1) & 6.2) FEC update drafts (adopted by TSVWG WG)

   – draft-roca-tsvwg-fecframev2

   – draft-roca-tsvwg-rlc-fec-scheme

    6.3) UDP Encapsulation of SCTP (update)

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