TSVWG #1
IETF-98 (Chicago)

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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

Welcome Wes!

- Wesley (Wes) Eddy has joined us as the third TSVWG co-chair
- Long IETF background, including serving as a Transport AD
- We really appreciate Wes!!

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

- 4 RFCs published since IETF 97 **(Excellent!)**
  - Network Transport Circuit Breakers (RFC 8084)
  - UDP Usage Guidelines Update (RFC 8085)
    - Successor to RFC 5405
  - GRE in UDP (RFC 8086)
    - Worked example of UDP Encapsulation
  - DiffServ Interconnection (RFC 8100)

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

TSVWG Accomplishments and Status

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

- 3 IDs completed WG Last Call (awaiting WG chair and/or author follow-up)
    - Tunnel Congestion Feedback
    - SCTP I-DATA Chunk (sctp-ndata draft)
    - DiffServ to IEEE 802.11 Mapping
        - Significant issues, 2nd WGLC may be needed

TSVWG Accomplishments and Status

- 1 ID likely to go to WGLC soon
  - ECN Experimentation

- 5 additional Working Group IDs
  1) Diffserv Lower Effort PHB
  2) ECN Encapsulation Guidelines
  3) ECN for Tunnels that use shim headers
  4) SCTP NAT Support
  5) SCTP (RFC 4960) Errata and Issues

TSVWG: Related Drafts

- Congestion control for 4G and 5G access
  - draft-johansson-cc-for-4g-5g

- INT Area: Tunnel MTU Considerations
  - draft-ietf-intarea-tunnels

- RTG Area: Encapsulation Considerations
  - draft-ietf-rtgwg-dt-encap

TSVWG Agenda

Chairs Agenda Bashing
    NOTE WELL

Monday's Agenda
    Document Accomplishments and Status
    Milestones Review
    Drafts

Thursday's Agenda
    NOTE WELL
    Drafts

WG Milestones Review

- **Dec 2016** **Submit 'Tunnel Congestion Feedback' as an Informational RFC [WGLC complete, expect to submit in April]**

- **Jan 2017** **Submit 'SCTP New Data Chunk' as a Proposed Std RFC [WGLC complete, expect to submit in April]**

- **Jan 2017** **Submit 'Guidelines for DiffServ to IEEE 802.11 Mapping' as an Informational RFC [2nd WGLC likely, move to September]**

- **Apr 2017** **Submit 'SCTP NAT Support' to IESG as a PS RFC [Won't happen in April - Move to December]**

- **Apr 2017** **Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC [Bundle with shim headers draft, move to September]**

- **May 2017** **Submit 'A Lower Effort Per-Hop Behavior (LE PHB)' as a Proposed Standard RFC [May revise date]**

- **NEW** **Submit 'Explicit Congestion Notification (ECN) Experimentation' as a PS RFC [New milestone, suggest June]**

- **Jun 2017** **Submit 'Propagating Explicit Congestion Notification Across IP Tunnel Headers Separated by a Shim' as a Proposed Standard RFC [Bundle with congestion notification encapsulation draft, move to September]**

- **Sep 2017** **Submit 'RFC 4960 Errata and Issues' (SCTP) as an Informational RFC [No change]**

IDs calling for WG adoption

- L4S (Low Latency, Low Loss, Scalable Throughput Internet Service) drafts:
  - Architecture
    - draft-briscoe-tsvwg-l4s-arch
  - DualQ Coupled AQM
    - draft-briscoe-tsvwg-aqm-dualq-coupled
  - ECN Modifications
    - draft-briscoe-tsvwg-ecn-l4s-id

Agenda for Monday (part 1)

1) Agenda bashing

2) Document Status, Charter and Accomplishments
   - UDP Usage Guidelines
   - DiffServ interconnection classes
   - Tunnel Congestion Feedback
   - DiffServ and IEEE 802.11
   - WG Charter and Milestones

   WG-adopted draft: LE PHB

Agenda for Monday …

3) ECN-related Drafts

    3.1) ECN Experimentation

       draft-ietf-tsvwg-ecn-experimentation

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

       draft-ietf-tsvwg-le-phb

    3.3) ECN for Protocols that Encapsulate IP

       draft-ietf-tsvwg-ecn-encap-guidelines

    3.4) ECN for Tunnels that use shim headers

       draft-ietf-tsvwg-rfc6040update-shim

Agenda for Thursday

4) Agenda review

    4.1) draft-ietf-tcpm-rto-consider (TCPM draft)

5) WG SCTP Drafts

    5.1) Stream Schedulers and User Message Interleaving

        draft-ietf-tsvwg-sctp-ndata

    5.2) Network Address Translation Support

        draft-ietf-tsvwg-natsupp

    5.4) RFC 4960 Errata and Issues

        draft-ietf-tsvwg-rfc4960-errata

Agenda for Thursday

6.) Individual Drafts

    6.1) Transport Options for UDP

    draft-touch-tsvwg-udp-options

    6.2) Encap of SCTP Packets

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

    6.3) Forward Error Correction (FEC) Framework version 2

    draft-roca-tsvwg-fecframev2

    6.4) RLC FEC Scheme for FECFRAME

       roca-tsvwg-rlc-fec-scheme

    6.5) L4S

       draft-briscoe-tsvwg-l4s-arch

       draft-briscoe-tsvwg-aqm-dualq-coupled

       draft-briscoe-tsvwg-ecn-l4s-id

7.) Other presentation (ACKs)