TSVWG #1
IETF-93 (Prague)

22nd July 2015

Gorry Fairhurst

David Black

WG chairs

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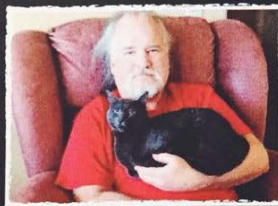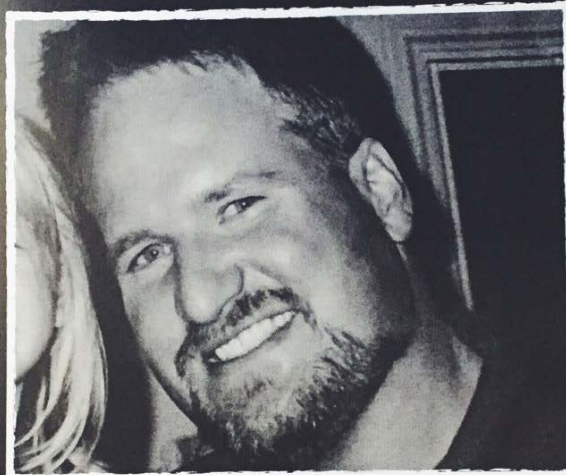
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HELP TSVWG!

- Need a Note Taker
- Need a scribe for Jabber session

- 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

Celebrating THE Life OF

James Martin Polk

MARCH 18, 1962 - MAY 26, 2015

TSVWG Accomplishments and Status

- 1 RFC published since IETF 92:
  - Additional Policies for PR-SCTP (RFC 7496)
- 2 IDs in RFC Editor Queue:
  - DTLS Encap of SCTP for RTCWEB
  - Recommendations for Transport Port Uses
    - In AUTH48, should be published soon.

- No IDs in IESG processing

TSVWG Accomplishments and Status

- 1 ID past WGLC
  - SCTP Failover
    - Short 2nd WGLC expected on changes

- No IDs in WGLC

- 3 IDs likely to go to WGLC soon
  - UDP Usage Guidelines Update
  - SCTP I-DATA Chunk (sctp-ndata draft)
  - Network Transport Circuit Breakers

TSVWG Accomplishments and Status

- 6 remaining WG IDs
    - DiffServ Interconnection Classes and Practice
    - DiffServ and RTCWeb QoS
    - ECN Encapsulation Guidelines
    - GRE in UDP
    - NAT Behavioral Requirements Updates
    - SCTP NAT Support

- 2 Expired WG IDs
    - RSVP Multiple Instance Object
    - RSVP Application-ID Profiles

TSVWG Accomplishments and Status

- **5 Related IDs**
  - ECN Benefits and Pitfalls (AQM WG)
  - DiffServ and Real-Time Communication (DART WG, in RFC Editor Queue)
  - IP Tunnels in the Internet Architecture (INTAREA WG)
  - Encapsulation Considerations (RTGWG WG)
  - Simplemux: a Generic Multiplexing Protocol
    - Presented in GAIA RG (Wed AM)

TSVWG Agenda

Chairs Agenda Bashing
NOTE WELL

Wednesday's Agenda
Document Accomplishments and Status
Milestones Review
Drafts

Thursday's Agenda
NOTE WELL
Drafts

Milestones Review (part 1)

- **Jan 2014**   **Submit 'RSVP Application-ID Profiles for Voice and Video Streams' to IESG for consideration as a Proposed Standard RFC**
- **DONE**   **Submit 'Recommendations for Transport Port Uses' to the IESG**
- **DONE**   **Submit 'DTLS Encapsulation of SCTP Packets for RTCWEB ' to IESG for consideration as a Proposed Standard RFC**
- **Apr 2015**   **Submit 'RSVP Multiple Instance' to IESG as a PS RFC**
- **May 2015**   **Submit 'SCTP New Data Chunk' as a Proposed Standard RFC**
- **May 2015**   **Submit 'Quick Failover Algorithm in SCTP' to the IESG for consideration as a Proposed Standard RFC**
- **Aug 2015**   **Submit 'DSCP packet markings for RTCWeb QoS' to IESG as a Proposed Standard RFC**
- **Aug 2015**   **Submit 'Guidelines for Adding Congestion Notification to Protocols that Encapsulate IP' as a BCP RFC**

Milestones Review (part 2)

- **Dec 2015**   **Submit 'Specification of GRE in UDP encapsulation' to IESG as a PS RFC**
- **Dec 2015**   **Submit 'Network Transport Circuit Breakers' to IESG**
- **Dec 2015**   **Submit 'DiffServ interconnection classes and practice' as an Informational RFC**
- **Dec 2015**   **Submit 'UDP Usage Guidelines' as a BCP RFC**
- **Dec 2015**   **Submit 'SCTP NAT Support' to IESG as a PS RFC**
- **Dec 2015**   **Submit 'NAT Behavioral Requirements Updates' as a BCP RFC**

IDs calling for WG adoption

- – RFC 4960 Errata and Issues
  - draft-tuexen-tsvwg-rfc4960-errata-01
- – Tunnel Congestion Feedback
  - draft-wei-tsvwg-tunnel-congestion-feedback-04

- – 10 active WG drafts, plus the port use draft
  - Enough to keep us all busy ...

Agenda for Wednesday

1-3) Document Status
   Charter and Accomplishments
4.1) UDP Usage Guidelines (Gorry Fairhurst)
        + WG Last Call will be requested
4.2) GRE in UDP (Lucy Yong)
4.3) Network Transport Circuit Breakers (Gorry Fairhurst)
5.1) SCTP (RFC 4960) Errata and Issues (Michael Tuexen)
        + WG Adoption will be requested
5.2) SCTP Stream Schedulers and User Message Interleaving
        (SCTP I-DATA chunk) (Michael Tuexen)
5.3) Quick Failover Algorithm in SCTP (Karen Nielsen)
5.4) SCTP NAT Support (Michael Tuexen)
5A.1) TCP Stealth (Christian Grothoff)

Agenda for Thursday

6) Chairs

6.1) ECN Encapsulation Guidelines (Bob Briscoe?)

6.2) Diffserv for WebRTC (David Black)

6.3) DiffServ interconnection classes (Ruediger Geib)

6.4) DiffServ and IEEE 802.11e (Tim Szigeti)

      Individual Draft

6.5) Tunnel Congestion Feedback (Xinpeng Wei)

      + WG Adoption will be requested

6.6) Diffserv Lower Effort [Scavenger] class (David Black)

TSVWG #2
IETF-93 (Prague)

23rd July 2015

Gorry Fairhurst

David Black

WG chairs

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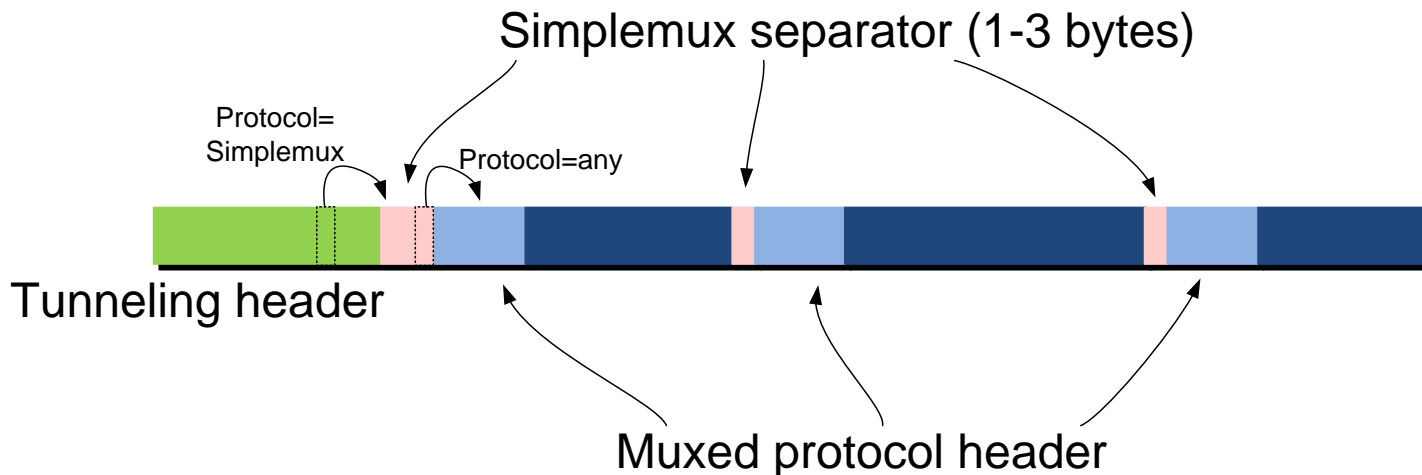
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Simplemux: a Generic Multiplexing Protocol

http://datatracker.ietf.org/doc/draft-saldana-tsvwg-simplemux/

- Tunnel of multiplexed packets
  - Different tunneling and multiplexed protocols allowed

Simplemux separator (1-3 bytes)

Protocol=
Simplemux

Protocol=any

Tunneling header

Muxed protocol header

- Bar-BoF today (July 23rd) 20:15. Registration desk
- Presentation:

  http://www.slideshare.net/josemariasaldana/simplemux-a-generic-multiplexing-protocol

- Implementation of Simplemux+ROHC over IPv4 available at:

  https://github.com/TCM-TF/simplemux

  45% bandwidth savings for VoIP over RTP

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