TSVAREA @ IETF101

Mirja Kühlewind and Spencer Dawkins

Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

   The IETF plenary session
   The IESG, or any member thereof on behalf of the IESG
   Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
   Any IETF working group or portion thereof
   Any Birds of a Feather (BOF) session
   The IAB or any member thereof on behalf of the IAB
   The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 8179.

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 8179 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Agenda - Monday Afternoon Session III

- Administrativa - TSV ADs, 15 minutes
  - Note Well, Blue Sheets, Jabber Scribes, Agenda Bashing
  - TSV Overview and status
  - Related work: draft-gont-6man-address-usage-recommendations

- Experience with TCP encapsulation for IKE - Tommy Pauly, 15 minutes

- Discussion: Using TCP as encapsulating to pass through various middleboxes, 20 minutes
  - Is TCP encapsulation the right approach forward?
  - Do we need to provide further guidance?

- Open Mike - All, 15 minutes

TSV Area Review Team (TSVART) UPDATE

Thank you for serving, and for providing **reviews since IETF 100**

Bernard Aboba
Bob Briscoe
Brian Trammell
Colin Perkins
David Black
Fernando Gont
Allison Mankin

Jana Iyengar
Joe Touch
Jörg Ott
Michael Scharf
Michael Tüxen
Nishida Yoshifumi

Thanks!
These reviews
really help

Triage team -
Wes Eddy, **Magnus Westerlund**, and **Martin Stiemerling**

TSV Working Groups (UPDATE)

See https://datatracker.ietf.org/group/all-status/ for status information!

- **ALTO** (wraping up final documents)
- **DTN** BPbis past WGLC, TCP convergence layer in WGLC, BPsec still in progress)
- **IPPM** (RFC2330 update for IPv6 in AD Eval, 9 WG drafts revised for IETF 101)
- **MPTCP**
- **NFSv4** (Not meeting at IETF 101)
- **QUIC** (focusing on QUIC core protocol specifications for QUICv1 in November)
- **RMCAT** (Scream published; NADA ready for publication)
- **TAPS** (Rechartered to allow analysis of transport security protocols)
- **TCPINC** (not meeting; closing up: spec in IESG evaluation, API documnet follows)
- **TCPM**
- **TRAM** (Finishing up final deliverables - STUNbis on next telechat, TURNbis in WGLC)
- **TSVWG** (11 WG drafts updated for IETF 101)

TSV Documents since IETF-100 UPDATE

Approved

draft-ietf-tcpinc-tcpeno-18

RFC Editor Queue

draft-ietf-tsvwg-rtcweb-qos-18

draft-ietf-rmcat-cc-requirements-09

draft-ietf-rmcat-coupled-cc-07

RFCs Published

RFC 8275 (was draft-ietf-nfsv4-umask)

RFC 8276 (was draft-ietf-nfsv4-xattrs)

RFC 8289 (was draft-ietf-aqm-codel)

RFC 8298 (was draft-ietf-rmcat-scream-cc)

RFC 8303 (was draft-ietf-taps-transports-usage)

RFC 8304 (was draft-ietf-taps-transports-usage-udp)

RFC 8311 (was draft-ietf-tsvwg-ecn-experimentation)

RFC 8312 (was draft-ietf-tcpm-cubic)

RFC 8321 (was draft-ietf-ippm-alt-mark)

RFC 8325 (was draft-ietf-tsvwg-ieee-802-11)

RFC 8337 (was draft-ietf-ippm-model-based-metrics)

Status Changes

status-change-ecn-signaling-with-nonces-to-historic-03

draft-gont-6man-address-usage-recommendations

This draft is being chatted about in TAPS

TAPS is actively working on topics like "connection racing"

We've been thinking about choosing between paths and between protocols

There's also a "choosing between IP address families" topic that's relevant

Please keep an eye on this if you're interested - the impact is wider than TAPS

Thanks!

Experience with
TCP encapsulation for IKE
(Tommy Pauly)

Using TCP as encapsulation to pass through various middleboxes (Discussion)

Recently published or work-in-progress

- RFC 8229
  - TCP Encapsulation of IKE and IPsec Packets
- RFC 8323
  - CoAP (Constrained Application Protocol) over TCP, TLS, and WebSockets
- Draft-ietf-trill-over-ip
  - (TRILL: Transparent Interconnection of Lots of Links) over IP
- Draft-ietf-dtls-over-tcp-tls-dtls
  - DNS Queries over HTTPS substrate

Questions for the discussion today

1. Is TCP encapsulation the recommended approach for these deployment issues (mainly middlebox traversal)?

2. And no matter if recommended or not, do we need to provide further guidance to the community on how to do TCP encapsulation and when it is appropriate to use it?

Open Mike
What does TSV need to know?