

TSVAREA@IETF102

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Agenda - Wednesday Afternoon session II

- Administrativa - TSV ADs, 15 minutes
 - Note Well, Blue Sheets, Jabber Scribes, Agenda Bashing
 - TSV Overview and status - ADs
 - TSV AD expertise and reporting/feedback - ADs
 - Related work
- Adding Multipath TCP to the upstream kernel - Christoph Paasch
- Developing and Deploying a TCP Replacement for the Web - Ian Swett
- Wire Images, Path Signals, And the (Inter)network ahead - Brian Trammell, Ted Hardie
- Open Mike - All, 10 minutes

TSV Area Review Team (TSVART) UPDATE

Thank you for serving, and for providing **reviews since IETF 101**

Allison Mankin

Bernard Aboba

Bob Briscoe

Brian Trammell

Colin Perkins

David Black

Fernando Gont

Jana Iyengar

Joe Touch

Jörg Ott

Michael Scharf

Michael Tüxen

Nishida Yoshifumi

***Thanks! These reviews
really help the ADs***

***We will be recruiting
additional reviewers.***

***If you'd like to help,
please tell Mirja and
Spencer***

Triage team - Wes Eddy, **Magnus Westerlund (4)**, and **Martin Stiernerling**

TSV Working Groups (UPDATE)

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

- **ALTO** - plan to wrap up current wg docs in the next months
- **DTN** - DTNSec and TCPv4 still underway, Asynchronous Management moves to OPS
- **IPPM** - responsible AD changed to Mirja
- **MPTCP** - wrapping up charter (RFC6824bis)
- **NFSv4** - Multi-server namespace and migration/trunking are biggest work items
- **QUIC** - Lots of things seem to depend on defining CID. That's what they're focused on
- **RMCAT** - one schemes (scream) and coupling published; nada waiting for write-up
- **TAPS** - Architecture, API, and Interfaces for TAPS, plus transport security analysis
- **TCPINC** - new (final?) version publish -> waiting for discuss to be cleared
- **TCPM** - wrapping up some wg items (AccECN, RACK)
- **TRAM** - Resolving Discuss ballots on STUNbis, TURNbis in WGLC, Finishing up
- **TSVWG** - lots of DSCP/ECN work, revising/advancing SCTP, finishing up FECFRAME

TSV Documents since IETF-101 UPDATE

Approved

draft-ietf-tcpinc-tcpeno-19

RFCs Published

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

RFC 8382 (was draft-ietf-rmcat-sbd)

RFC Editor Queue

draft-ietf-ippm-2330-ipv6-06

draft-ietf-ippm-twamp-yang-13

draft-ietf-nfsv4-flex-files-19

draft-ietf-nfsv4-layout-types-13

draft-ietf-tsvwg-iana-dscp-registry-08

Related work: App-level NETCONF keepalives

- BBF relied on NETCONF server using TLS keepalive mechanism (RFC 6520)
 - Post-Heartbleed TLS stacks are removing support for RFC 6520 (example: OpenSSL)
 - Use TCP Keepalives? SEC ADs not happy about plaintext mechanism for keepalives
 - TSV ADs not happy about encouraging use of transport-only keepalives for several reasons
- Proposals for NETCONF
 - TLS says removing RFC 6520 support is an overreaction to Heartbleed? Good luck with that
 - Tell NETCONF they need to do application-level keepalives anyway - that's what matters?
- More broadly - provide IETF consensus guidance about this?
 - RECOMMEND against using plaintext keepalive mechanisms for secure transport sessions
 - RECOMMEND using application-level keepalive mechanisms to actually test liveness
- Thread started on TSVAREA with subject "[statement regarding keepalives](#)"
 - TSV ADs appreciate input while we figure out whether to provide broader guidance

Thanks!

Related work: draft-jarvinen-core-fasor

This draft proposes a three-part congestion control algorithm for CORE

<https://tools.ietf.org/html/draft-jarvinen-core-fasor-00>

Assertions:

- There are problems with both default CoAP and CoCoA in some use cases
- In those use cases, congestion can occur, without sufficient backoff to recover
- Measuring unambiguous RTT is an important step to solving those problems

Actual discussion is scheduled for ICCRG, Thursday Afternoon session I, in Viger

Thanks!

TSV AD expertise

Spencer is **still** the "outgoing Transport AD", his third term ends in March 2019

We've been working since 2013 to make the job "doable"

What we told Nomcom is [here](#). Please nominate freely and give lots of feedback on willing nominees. It matters!

If you have any questions about the position, please ask! You can ask here/now, or Mirja in the hallways, or ask us on the TSVAREA list, or in private e-mail.

Thanks!



TSV AD reporting/feedback

- Currently both TSV ADs spend about 15-20 hours per week
 - Most of the time with reviews in IESG evaluation
 - Maximum of 400 pages per telechat (every two weeks), so about 10-20 drafts
 - Short to medium drafts (10-25 pages) take about 30 mins to 1h to review
 - ... if there is no issue that requires to spell out a discuss
 - Load from working groups is rather low
 - Current 12 tsv working groups (6 per AD)
 - Last year about 25 published RFC in TSV (however, mayn nfsv4 RFCs...)
 - Some steering at the side but not much conflict resolution :-)
 - There are a bunch of additional, mostly process related things the IESG cares about
 - These are often driven a one or a small set of IESG members and depends a bit on people's interest
 - TSV is responsible for port registry
 - There are many requests that are fully handled by the expert review team but something there is a question for the ADs (which can be tricky)

"How hard can it be?"
Adding Multipath TCP
to the upstream kernel

(Christoph Paasch)

Developing and Deploying a TCP Replacement for the Web

(Ian Swett)

Wire Images, Path Signals, And the (Inter)network ahead

(Brian Trammell, Ted Hardie)

Open Mike
What does TSV need to know?