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Transport Service (TAPS) Working Group

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Agenda

1. Chairs update - 5 min
2. Update on draft-ietf-taps-transport-usage - 10 min (Naeem Khademi)
3. Update on draft-fairhurst-taps-transport-usage-udp - 5 min (Gorry Fairhurst)
4. Update on draft-gjessing-taps-minset - 10 min (Michael Welzl)
5. Investigation on the use of happy eyeballs for transport protocol selection - 10 min (Anna Brunström)
6. Post socket - 10 min (Brian Trammell)
7. Socket intents - 5 min (Philipp Tiesel)
8. Implementing Real-Time Transport Services over an Ossified Network - 10 min - (Stephen McQuistin)

Status

draft-ietf-taps-transports-11 mostly through AD review

draft-fairhurst-taps-transports-usage-udp-02 done?

draft-gjessing-taps-miniset-02 done?

Number of implementation and research efforts

Schedule

When	What	Notes
Nov 2016	Doc 1: Submit an Informational document to the IESG defining a set of services provided by IETF transport protocols and congestion control mechanisms	Milestone includes draft-taps-transport-usage extended for multiple protocols
Mar 2017	Doc 2: Submit an Informational document to the IESG recommending a minimal set of Transport Services that end systems should support	
Nov 2017	Doc 3: Submit an Experimental document to the IESG specifying one or more methods to provide applications with the Transport Services identified by the WG	
Mar 2018	Recharter or conclude.	

Need for “northbound” information

TAPS abstracts the complexity of transport as much as possible from the applications but applications need to know what is going on underneath.

Applications are responsible for its user experience. Applications

- have customized behaviour (self-tuning, rate adaptation) based on the transport in use.
- need to know why things are working and especially why things are not working.
- have more information about service cost and want to avoid or force certain traffic over certain connection. Not only at session setup but in mid-session as well.
- require session mobility. Nowadays, that does not only mean new interfaces at the clients but also at the server (ie, change of serving host).

Summary

Protocol survey process is about done.

Next step is defining the 'minimum set' of features to expose by API.

Need to explore 'northbound' info to apps.

Time to start talking about mechanisms and implementations.