RTP Media Congestion Avoidance Techniques (rmcat)

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Administrativa

Today's slides

http://datatracker.ietf.org/meeting/87/materials.html#session.group-rmcat

Remote participation

http://www.ietf.org/meeting/87/remote-participation.html

Jabber chat

xmpp:rmcat@jabber.ietf.org?join

Mailing list

http://www.ietf.org/mailman/listinfo/rmcat

Agenda

13:00 Administrativa & WG Overview (*Chairs*)

13:15 Status of the Evaluation Criteria Design Team (*Michael Ramalho*)
→ **discussion after next presentation…**

13:25 Evaluating Congestion Control for Interactive Real-time Media (*Varun Singh*)
draft-singh-rmcat-cc-eval (milestone eval-criteria)

14:05 Coupled congestion control for RTP media *(Safiqul Islam)*
draft-welzl-rmcat-coupled-cc (milestone group-cc)

14:35 NADA: Implementation Status + Interaction with AQM Schemes (Xiaoqing Zhu)
draft-zhu-rmcat-nada

WG Status

WG documents

draft-jesup-rmcat-reqs-01 [**recently updated**]

Drafts

In charter

draft-singh-rmcat-cc-eval-03 [**recently updated**] → Call for WG Adoption?

draft-welzl-rmcat-coupled-cc-01

Algorithms

draft-alvestrand-rmcat-congestion-00

draft-ohanlon-rmcat-dflow-02

draft-zhu-rmcat-nada-01

Add-ons

draft-perkins-rmcat-rtp-cc-feedback-00

draft-alvestrand-rmcat-remb-02

Eval Design Team

- Frequent calls since last IETF meeting
- Intial scenario description (M. Ramahlo)
- Update of draft-singh-rmcat-cc-eval

- Next: Call for WG adaption of draft-singh-rmcat-cc-eval-03

Implementation Status

Implementation

- Where have the algorithms been implemented?
- Are the implementations available somewhere?

Evaluation

- Which evaluation tests have been performed so far?
- Are the results accessible somewhere?

RTCWEB/RMCAT Issues IETF87

Multiplexing methods

- Work is in MMUSIC, with RTCWEB as a customer
- Aim is to reduce NAT state for multiple flows
- May imply that the same 5-tuple has multiple DSCP code points used
- These relate to independent application contexts
- Unified-plan adopted at the meeting early in the week

Data Channel (SCTP/DTLS/UDP)

- Open issue on congestion control to be discussed Friday
- Current proposal is to use shared congestion state with media plane, with intent to replace with work of RMCAT, when it is available

DiffServ (tsvwg)

- Differentiated Services Delay-and-Loss vs. Loss-Rate-Adaptive Service Classes
  - draft-polk-tsvwg-delay-vs-loss-ds-service-classes-00
- DSCP and other packet markings for RTCWeb QoS
  - draft-dhesikan-tsvwg-rtcweb-qos-02
- Normalization Marker for AF PHB Group in DiffServ
  - draft-lai-tsvwg-normalizer-00