RTP Media Congestion Avoidance Techniques (rmcat)

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Administrativa

Today’s slides

http://datatracker.ietf.org/meeting/95/materials.html#tsv

Remote participation

Meetecho: http://www.meetecho.com/ietf95/rmcat

Jabber chat

xmpp:rmcat@jabber.ietf.org?join

Mailing list

http://www.ietf.org/mailman/listinfo/rmcat
WG Document Status

Requirements, interfaces & evaluation

- draft-ietf-rmcat-cc-requirements-09 [RFC Ed Queue: MISSREF]
- draft-ietf-rmcat-eval-criteria-05 [updated, but open issues listed in doc]
- draft-ietf-rmcat-eval-test-03 [updated, ready & waiting for candidates]
- draft-ietf-rmcat-wireless-tests-01
- draft-ietf-rmcat-cc-codec-interactions-02 [updated & waiting for framework doc]
- draft-ietf-rmcat-video-traffic-model-00

Algorithm candidates & Co

- draft-ietf-rmcat-nada-02 [updated]
- draft-ietf-rmcat-scream-cc-03 [updated]
- draft-ietf-rmcat-gcc-01
- draft-ietf-rmcat-sbd-04 [updated & ready]
- draft-ietf-rmcat-coupled-cc-01 [updated & ready]

Expired

- draft-ietf-rmcat-rtp-cc-feedback-00
Drafts Status

Algorithm candidates & co
  draft-singh-rmcat-adaptive-fec-03 [updated]

Interactions and signaling
  draft-holmer-rmcat-transport-wide-cc-extensions-01

Missing
  draft-singh-rmcat-cc-app-interactions
  draft-???-rmcat-framework
Milestone Update

Done Adopt first WG draft on requirements
Done Adopt first WG draft on evaluation criteria
Done Adopt first WG draft of RTCP extensions for use with congestion control algorithms and interactions between applications and RTP flows (if needed)
Done Adopt first congestion control candidate as WG draft
Done Adopt first WG draft on identifying and controlling groups of flows
Dec 2015 Submit requirements and evaluation criteria to IESG as Informational
Dec 2015 Submit identifying and controlling groups of flows to IESG for Experimental publication
Dec 2015 Submit first congestion control candidate to IESG for Experimental publication
Dec 2015 Submit interactions between applications and RTP flows to IESG as Informational
Dec 2015 Submit RTCP extension requirements for use with congestion control algorithms to AVTCORE (if needed)
Feb 2016 Publish first draft of evaluation results
Feb 2016 Publish first draft of Standards Track congestion control algorithm
Feb 2016 Publish first draft of techniques to detect, instrument or diagnose failing to meet RT schedules
Jun 2016 Submit techniques to detect, instrument or diagnose failing to meet RT schedules to IESG as Informational
Oct 2016 Submit congestion control to IESG for Proposed Standard
rmcat framework

- Side meeting on Tuesday morning with authors:
  - framework doc is coming up soon
  - candidates will revise to align with new doc
  - Let Zahed/Xiaoqing know if you want to help
- codec/app-interaction currently stays separately
Status of Evaluation

• Which results have been shown for which candidates?

• Do we need another interim before IETF-96 in Berlin?
Agenda Wed, April 6

10:00  WG Status & Agenda Bashing (Chairs)
10:20  Updates on draft-ietf-rmcat-eval-criteria-05 (Varun)
10:25  Updates on draft-ietf-rmcat-eval-test-03 (Zahed)
10:30  Evaluation Test Cases for Interactive Real-Time Media over Wireless Networks (Xiaoqing Zhu)
        draft-ietf-rmcat-wireless-tests-01
10:45  Updates on Video Traffic Model (Video Trace Data) (Xiaoqing Zhu)
        draft-ietf-rmcat-video-traffic-model-00
11:00  Updated evaluation results on NADA (Xiaoqing Zhu)
        draft-ietf-rmcat-nada-02
11:25  Updates on Coupled Congestion Control (Safiqul Islam)
        draft-ietf-rmcat-coupled-cc-00
11:35  Shared Bottleneck Detection for Coupled CC for RTP Media (David Hayes)
        draft-ietf-rmcat-sbd-04
12:00  Discussion on Common Feedback Format