RTP Media Congestion Avoidance Techniques (rmcat)

Chairs:
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Administrativa

Today’s slides

https://datatracker.ietf.org/meeting/97/materials.html#rmcat

Remote participation

Meetecho: http://www.meetecho.com/ietf97/rmcat

Jabber chat

xmpp:rmcat@jabber.ietf.org?join

Minute taker and jabber scribe?

Mailing list

http://www.ietf.org/mailman/listinfo/rmcat
Agenda Thu, Nov 17

1. Administrativa (5 minutes) -- Chairs

2. WG status (20 minutes) -- Chairs

3. Updates to video traffic modelling: our experience with the Mozilla web browser (20 minutes) -- Xiaoqing Zhu / Sergio Mena (draft-ietf-rmcat-video-traffic-model-01)

4. Update on NADA (10 minutes) -- Xiaoqing Zhu (draft-ietf-rmcat-nada-03)

5. RMCAT DT status update (5 minutes) -- Zaheduzzaman Sarker

6. RTCP Feedback for Congestion Control (15 minutes) -- Colin Perkins (draft-dt-rmcat-feedback-message-01)

7. New packet format for feedback (15 minutes) -- Michael Ramalho

8. RTCP feedback for congestion control in interactive multimedia conferences (20 minutes) -- Colin Perkins (draft-ietf-rmcat-rtp-cc-feedback-02)

9. Status update on ns3 module reflecting the rmcat framework document (10 minutes) -- Xiaoqing Zhu (draft-zhu-rmcat-framework-00)
WG Document Status

Algorithm candidates & Co

- draft-ietf-rmcat-coupled-cc-04  [updated]
  - past WGLC
  - updated in response
  - dependence on nada and gcc
- draft-ietf-rmcat-sbd-05  [updated]
  - in WGLC
  - please review!
Algorithm candidates & Co (cont.)

- draft-ietf-rmcat-scream-cc-07 [updated]
  - past WGLC
  - updated in response
  - IPR raised
- draft-ietf-rmcat-nada-03 [updated]
  - presentation on agenda
  - WGLC to follow soon
  - IPR raised
- draft-ietf-rmcat-gcc-02
  - waiting for author update
WG Document Status

Requirements, interfaces & evaluation

- draft-ietf-rmcat-cc-requirements-09  [RFC Ed Queue: MISSREF]
- draft-ietf-rmcat-eval-criteria-06  [updated]
  - align with eval-test for TCP model
- draft-ietf-rmcat-eval-test-04  [updated]
  - align with eval-criteria for TCP model
- draft-ietf-rmcat-wireless-tests-03  [updated]
  - minor editorial update
- draft-ietf-rmcat-video-traffic-model-01
  - related presentation on agenda
- draft-ietf-rmcat-cc-codec-interactions-02  [expired]
WG Document Status

Feedback

• draft-ietf-rmcat-rtp-cc-feedback-03  [updated]
• Presentation on the agenda
Drafts Status

Feedback
• draft-dt-rmcat-feedback-message-01 [updated]
  • presentation on agenda

Requirements, interfaces & evaluation
• draft-zhu-rmcat-framework-00
  • related presentation on agenda

Algorithm candidates & Co
• draft-singh-rmcat-adaptive-fec-03 [expired]
Milestones

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 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 requirements and evaluation criteria to IESG as Informational
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
Proposed Time Plan

- Submit candidate algorithms (gcc) this year
  - Coupled-CC, SBD, NADA, SCReAM
- Try and submit (part of) evaluation and interface drafts and finish up feedback DT work by Chicago IETF
- Discuss how to proceed towards standard in Chicago
  - evaluation results, how to track progress
  - steps needed for moving towards standard
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