Internet Congestion Control Research Group (ICCRG)

IETF 71 – Philadelphia, PA

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- RG Status (5 minutes)
- Manchester Recap (10-15 minutes)
- Finishing draft-irtf-iccrg-cc-rfcs (5 minutes)
- Solicit CUBIC Reviews
- Compound TCP Review (30 minutes)
- Open Issues Draft – Packet Size Dependency

RG Status

- 2 RG drafts:
  - Survey of CC RFCs (draft-irtf-iccrg-cc-rfcs)
    - Let's finish this
  - Summary of open-issues in congestion control
    - Discussed at LA, Chicago, and Manchester meetings
    - Currently expired, but will be revived soon!
- 2 alternative TCP CC proposals under review for TCPM:
  - Compound TCP (finishing soon)
  - CUBIC (start discussing!)

Manchester Recap
(presentations are available online)

- SIP Overload Control
- Open Issues Draft
- Packet Size & Congestion Control
- CUBIC
- CTCP Evaluation Results
- Getting More Information from ECN Bits
- Avoiding Packet Losses at TCP Slow Start in Gigabit Networks

Manchester Recap (cont.)

- Some thoughts on increasing the RG's activity and effectiveness were shared
  - One idea was to kick-off smaller “study groups” / “design teams” to work together on specific well-defined problems
  - Pilot one will focus on Slow Start
    - Dirceu Cavendish will coordinate
    - Initial idea is to define some kind of deliverable to work on in a 6-month timeframe

draft-irtf-iccrg-cc-rfcs

- Current version is -02
  - Significant changes due to feedback from Gorry and Lars
- Are we ready to increment this and send to IRSG for review?
  - Will ask on-list

Solicit CUBIC Reviews

- Online as draft-rhee-tcpm-cubic-00
- Presentation slot in Manchester
- One review submitted so far
  - Need more!

Compound TCP

- "The RG seems to have consensus that (given the expected draft clarifications) the Compound TCP mechanism is safe for experimental deployment on the public Internet."
  - Comments?
- Will note specific conditions where delay-based component has effect, use of estimation for queueing delay, wireless question, security uncertainty, and that review is for safety only without reference to performance benefits.
- Other comments to be added?