Can the e2e RG be real-world useful?

e2e

5/15/02

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TSV & The IETF

◆ this talk will be a bit rambling

◆ will look at TSV Area places where e2e RG might be able to help

  e,g,. holes in TSV picture

◆ will also talk about efforts in other IETF areas that have concerned the TSV ADs

  e.g., congestion control a common issue

◆ some specific suggestions and some hope for real-time help

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TSV Area

◆ some things that seem to be good to do
◆ real-time help request

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What is the Internet?

◆ too many people just do not know what they need to take into account when developing Internet technology
◆ we need an Internet 101 doc
◆ what is the Internet like?

IP as common bearer layer (applications do not see links)

packets get re ordered etc

RTT ranges

real-world loss rates

congestion patterns

etc

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Can you Spell & Define TCP?

◆ RFC 1122 sec 4.2 as stand alone

  a/ is TCP all documented in RFCs?

  b/ what is the right list of RFCs

  c/ what has been obsoleted?

  d/ anything else needed - e.g. rebind addresses

    (roadmap question from yesterday)

  e/ ??

◆ commented list on TSV Area web site

  please help develop list

◆ stand alone document updating RFC 1122

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The Almost-Edge Knows Best?

◆ traffic shaping

  blessing Packeteer ?

◆ penalty box

◆ consistency for tweaking functions?

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other

◆ what is nsis mission

  3rd party

  soft state

  are call & QoS signaling different

◆ STUNning (in)security

◆ congestion control of the week

  e.g., FTCP Fluid Congestion Control

    draft-hong-ftcp-00.txt

  U-SCTP (name changed to PR-SCTP to protect ....)

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NSIS Requirements

◆ help?

◆ 5.2.2

  No constraint of the QoS signaling and QoS
  Controllers to be in the data path.

◆ 5.3.3

  Possibility for automatic re-setup of resources after
    recovery.   In case of a failure, the reservation can get
    setup again automatically.

◆ does mobility change the signaling picture?

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Non-TSV Area

◆ we do not need congestion control because ...

◆ e2e as non-optimal

◆ I'm more important than you

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Congestion? What's That?

◆ WGs do not want to use CC protocols for "special" cases

psamp

ipfix

forces

AAA (a success story)

SIP (a success story)

◆ questions

what to use

how to impart clue

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e2e is not for ME

◆ e2e issues at application layer

  opes, midcom

◆ carrier business model

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You do not count

◆ ieprep

  original picture: modify all known applications

  now?: modify some applications

    "MLPP is a requirement"

◆ I.e., if I'm an emergency, I have priority

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