TRAM

STUN Traceroute

draft-martinsen-tram-stuntrace-01

July 2015
IETF 93

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Changes in -01

- Simplified by removing rich network feedback. (Needs changes in network nodes, will not happen anytime soon)
- Added code examples for windows. (C-ish pseudo code)
- Removed (and probbaly added) nits

STUN Traceroute Summary

- Works without admin privileges
  icmpSocket=socket(AF_INET, SOCK_DGRAM, IPPROTO_ICMP);
- Tested on OS-X, Windows, Linux, Android and iOS

- Follows the EXACT media path

- Gives RTT for each hop
  Accuracy can be improved, but requires more chatter

- Crude packet loss indication
  Based on STUN transactions retransmits

- Implemented in real (for certain values of real) products
  (During QA testing we found a few "network bugs" related to asymmetric routing)

Next steps

- Asking for adoption (But need to discuss how this relates to other drafts presented)