ICN Ping and Traceroute Updates

ICNRG Meeting, IETF 114
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Current Status

• Updates since IETF 113
  • Both drafts underwent IRSG review
  • First round of comments from Junxiao Shi (thanks, Junxiao!)
  • Comments from Chris Wood (thanks, Chris!)
  • Additional comments from Junxiao Shi (thanks, Junxiao!)
  • ICN Ping draft latest version: https://www.ietf.org/archive/id/draft-irtf-icnrg-icnping-06.html
  • ICN Traceroute draft latest version: https://www.ietf.org/archive/id/draft-irtf-icnrg-icntraceroute-06.html
ISRG Review

• Initial Review from IRTF Chair Colin Perkins (thank you, Colin!)

• Comments related to following the guidelines of RFC 5743, IANA considerations, explanation of why the draft is experimental, etc.

• Colin’s comments have been adequately addressed
First Round of Comments from Junxiao Shi

• Comments related to the most recent NDN protocol packet specification

• Comments have been addressed in the latest version of the drafts
Comments from Chris Wood

- Clarifications related to protocol design, namespace, packet format, and security considerations

- We responded on the ICNRG mailing list with proposed changes on July 1
Additional comments from Junxiao Shi

• Additional comments related to the most recent NDN protocol packet specification

• Comment about the Path Label TLV
  • Put it in the header of NDNLPv2?
  • Put it in the middle of the Interest (after ForwardingHint and before ApplicationParameters, where it is not covered by the Interest parameters digest component)?
  • draft-oran-icnrg-pathsteering-06 will be updated to reflect this change and our drafts will follow the updated packet format
Moving forward

• We will update drafts to address:
  • Chris Wood’s comments
  • Junxiao Shi’s latest comments
  • Changes in the NDN format of the Path Label TLV
Thank you very much for your attention!

Q/A