Port Control Protocol

draft-ietf-pcp-base-17

Dan Wing, Stuart Cheshire, Mohamed Boucadair, Reinaldo Penno, Paul Selkirk

Dan Wing
dwing@cisco.com

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WGLC Summary

• WGLC against -16
• Many comments
• Significant change: PCP Rapid Recovery in -17
  – Stuart has separate presentation
Try forever

• -17 says retry PCP operation forever

• -18 will say: try PCP forever while you still care
  – i.e., while still running server, keep trying PCP
Unprocessed options

• Currently error/success are different
  – Error: payload simply copied
  – Success: unprocessed options indicated with UNPROCESSED option

• Proposal for -18:
  – Error: payload simply copied (same as -16)
  – Success: processed options included in response, unprocessed options removed from response
  – This removes the UNPROCESSED option
Clock Drift

• Drifting clocks in PCP client and PCP server
• Text changed between -16 and -17, on amount of allowed drift

• Stuart will add text to -18 justifying clock drift based on NTP
  – Stuart has detail
“Implicit” and “Explicit”

• Intent: use dictionary sense of “implicit” and “explicit”

• Well captured in -17
PEER Delete a Mapping

• Changes exist between -16 and -17
• Outgoing TCP or UDP traffic has a minimum lifetime
  – E.g., 30 seconds
  – Sometimes lengthened based on bi-directional traffic
  – Already in -17 for MAP, if an implicit mapping already exists

• Proposal for -18:
  – PEER cannot shorten lifetime below its minimum lifetime
Other Diffs, -16 to -17

• CANNOT_PROVIDEEXTERNAL_PORT

• Cleaned up ADDRESS_MISMATCH text

• Dropped detail on DS-Lite
  – Move to draft-dupont-pcp-dslite

• Corrected to use NO_RESOURCE for MAP

• Re-ordered MAP processing slightly
Thank you