draft-thubert-intarea-schc-over-ppp

Editor: Pascal Thubert (pthubert@cisco.com)
• SCHC over PPP (and then PPP over foo)
• Enables SCHC over
  • Serial, 3GPP
  • Ethernet with PPPoE, Wi-Fi with Ethernet
• Signals
  • A new compression for PPP (Updates RFC 5172)
  • The URL of the data model for the compression
  • Dependency on draft-ietf-lpwan-schc-yang-data-model
Resulting Packet (no Frag example)
Draft status: Stable

• Need refresh – expires March 26th
• The RuleID for a compression rule is expressed as 2 bytes.
• The first (leftmost) 2 bits of that RuleId MUST be set to 0
• Frag: Only No-Ack mode => no out-of-order packet
  • If used with DetNet => may require PREOF reordering
• The RuleID for a fragmentation rule is expressed as 4 bits
  • Reserved 1111 for NO ACK

IPv6CP Configuration Ack.

LCP Config. (Magic Nb LCP, no PFC)

Discovery (RFC 2516 PADx or LISP)

GET(Rule set URL)

Protocol determination
Rule set Selection based on device/prot
Discussion

• Co Authors?
• Add applicability statement?
• Possible extensions?