Extension Header Use Cases

draft-mcbride-v6ops-eh-use-cases-00

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Background

• After a series of “Why folks are blocking IPv6 extension headers?”
• Nick asked if there is a document that details EH use cases.
  • No, not in the IETF.
• Should we create an informational document or just add use cases to an existing document like 6man-eh-limits?
  • Or Brian Carpenters book or Internet Societies portal or APNIC blog?
• We decided to create a draft and the WG can decide.
Current Strategy

IPv6 Extension Header Types

Existing IPv6 EH Use Cases - IANA
  Detailed Description of Categories
  Existing Destination and Hop-by-Hop Options
  Existing Routing Types

QoS, NM, CDN, Routing... EH Use Cases
  Existing QoS Extension Header Use Cases
  Potential QoS Extension Header Use Cases
Routing EH Use Cases Example

11. Routing Extension Headers
   11.1. Existing Routing Extension Headers
      11.1.1. Segment Routing Header (SRH)
      11.1.2. Mobility Header
      11.1.3. MLD Messages
   11.2. Potential Routing Extension Headers
      11.2.1. Integrated Multicast Bitstring

Have also had mentioned APN and ROSA.
Next steps

• Is this something the WG wants to tackle?
  • If so, is this a good format?
    • If so, should we adopt it?