

Extension Header Use Cases

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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?