Edge Network Operational Considerations for Streaming Media

draft-jholland-mops-taxonomy

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Doc Status

• On milestones list but not adopted?
• how sure are we this is useful?
  • A couple of supportive comments
  • A couple of offline “why bother”-ish comments
Updates since Montreal

• (this space intentionally left blank)
Known To-dos

- Suggestions from Ali:
  - Audio & Pointcloud bandwidth numbers
  - Live vs. on-demand contrast section
  - Asymmetric link considerations
    - especially upload/personal broadcast/twitch & similar streaming
    - conferencing?

- Name-change
  - taxonomy -> streaming-opcon
Unknown To-dos

• Explain the demand vs. capacity disconnect somehow
  • CAGR?
  • Better ideas? (with improved archival value?)

Unicast Arithmetic

- 72 tbps = Akamai Traffic Record, Dec 2018*
- 40 mbps = 4k standard frame rate (35-45 mbps, 24-30fps)

\[ \frac{72 \times 10^{12}}{40 \times 10^6} \]

=> 1.8m simultaneous 4k viewers @record rate

• Others?