Distribution

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Twitch  Amazon IVS
Congestion

- Rendition switching
  - slow & dramatic
- Frame dropping?
- otherwise buffer
Latency

Realtime  Interactive  Loss-less

preference + network broadcaster + viewer
Compatibility

- All platforms
  - Web
  - Mobile
  - TV

- All networks
  - Fiber
  - Cellular
  - International
HLS + L HLS + LL-HL S

high latency
congestion
loss-less
client ABR

head of line blocking
WebRTC

poor quality implementation complexity

real-time black box
Warp
prioritized segments

interactive

server
ABR
drop tail
ez switch

CMAF
HLS fallback
Questions?