

Recoloring graphs with Kempe changes

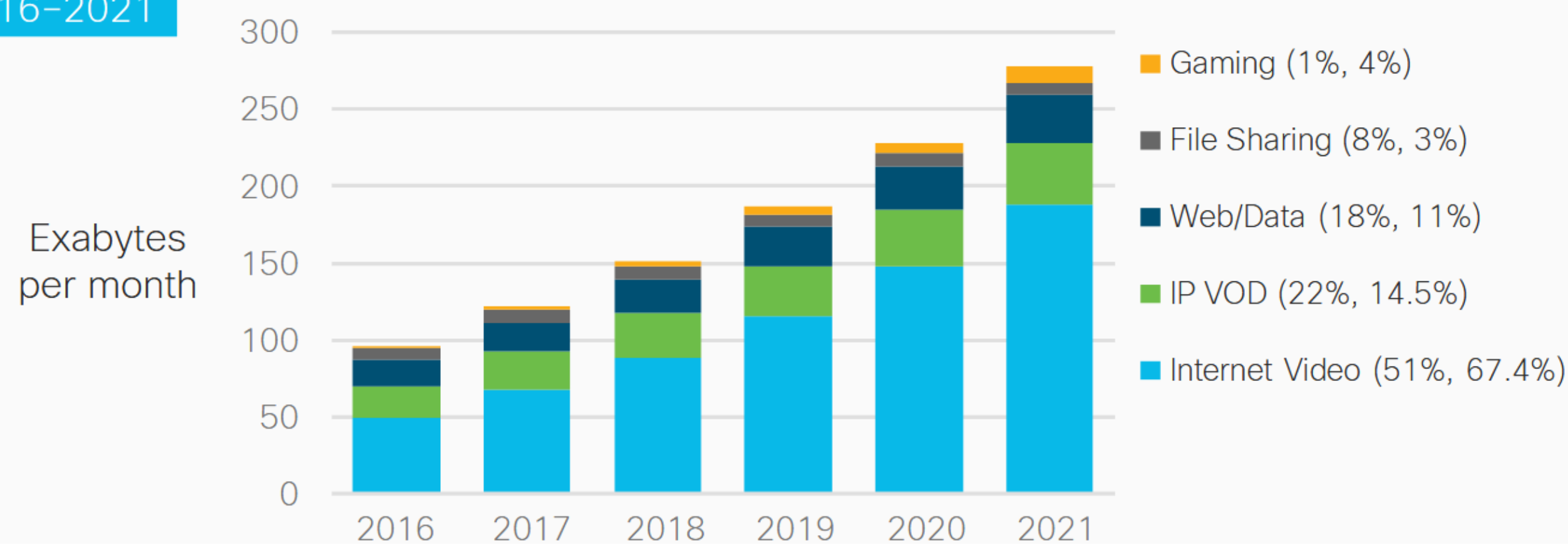
Clément Legrand-Duchesne - Marthe Bonamy, Vincent Delecroix

Grappe et Optimisation, Combinatoire et Interactions - Univ. Bordeaux, LaBRI, France

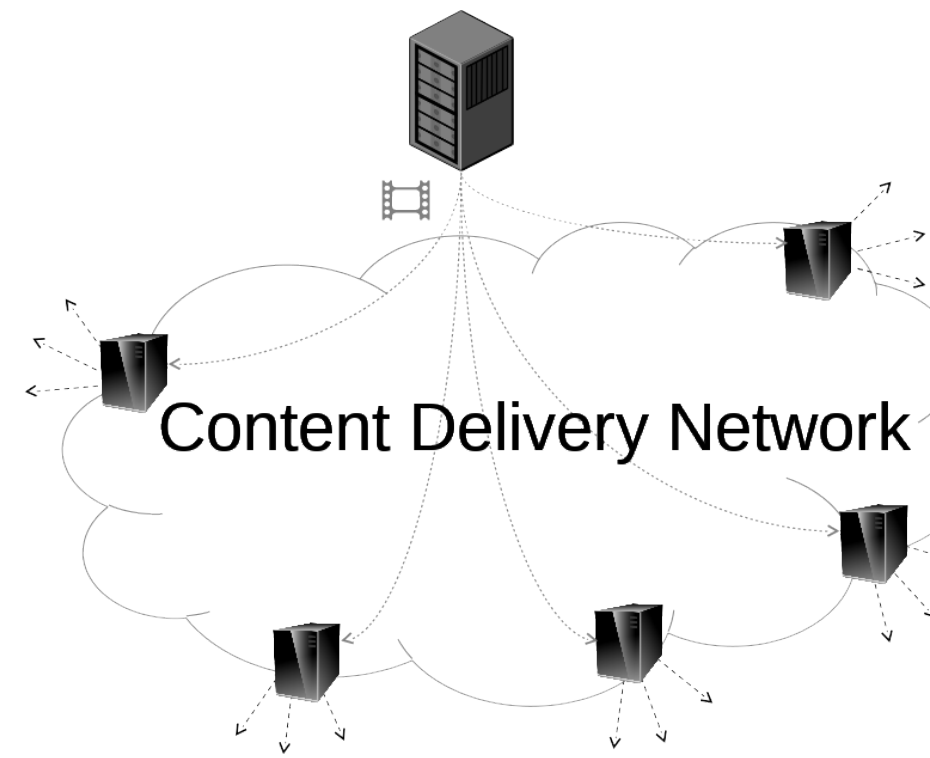
LaBRI

Video content consumption

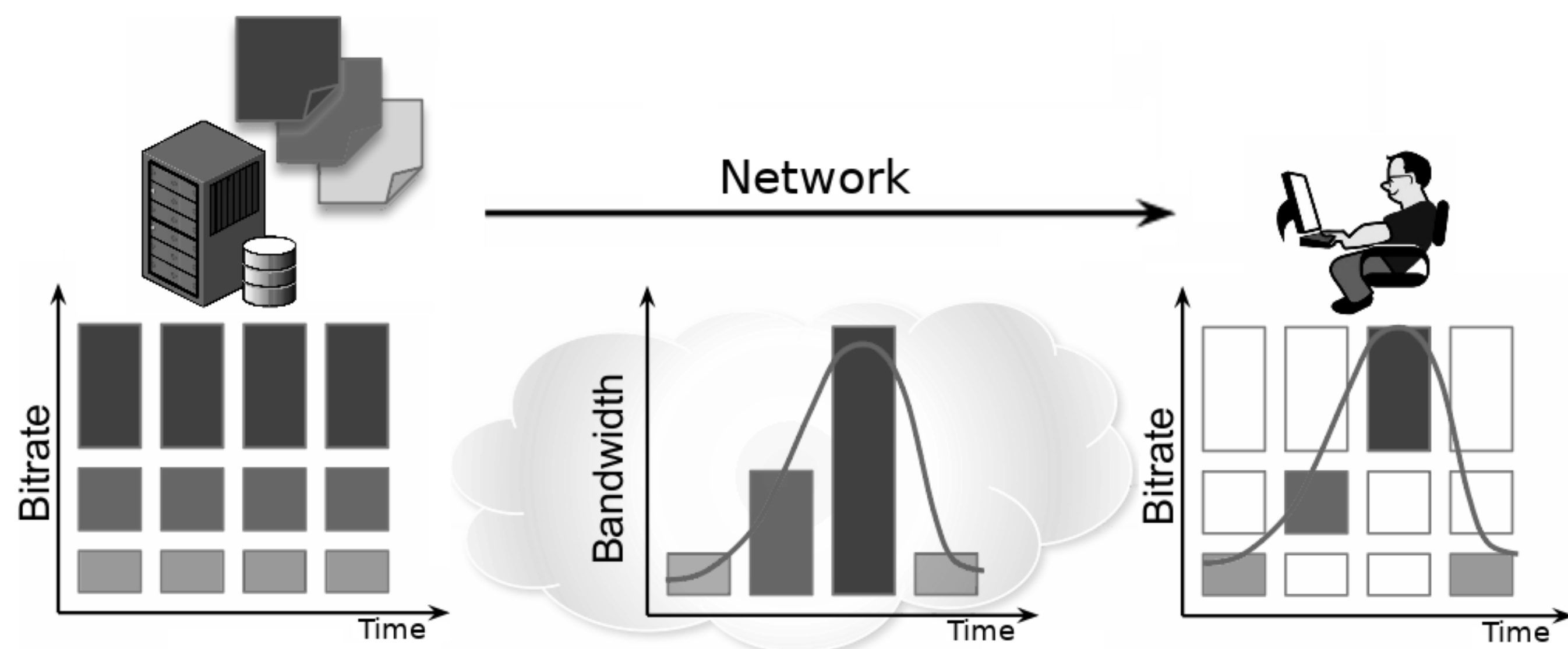
24% CAGR
2016-2021



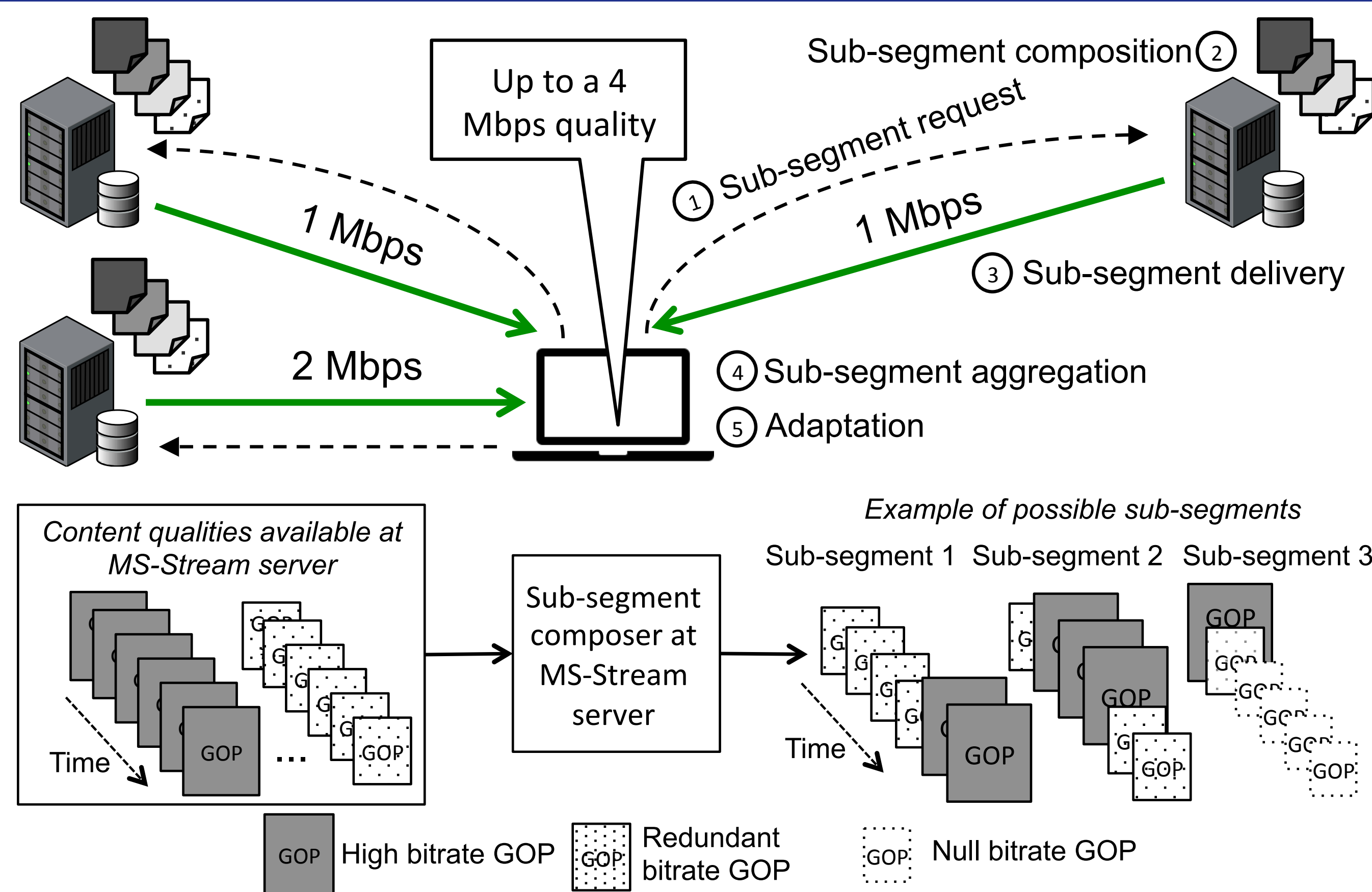
Content Delivery Networks (CDN)



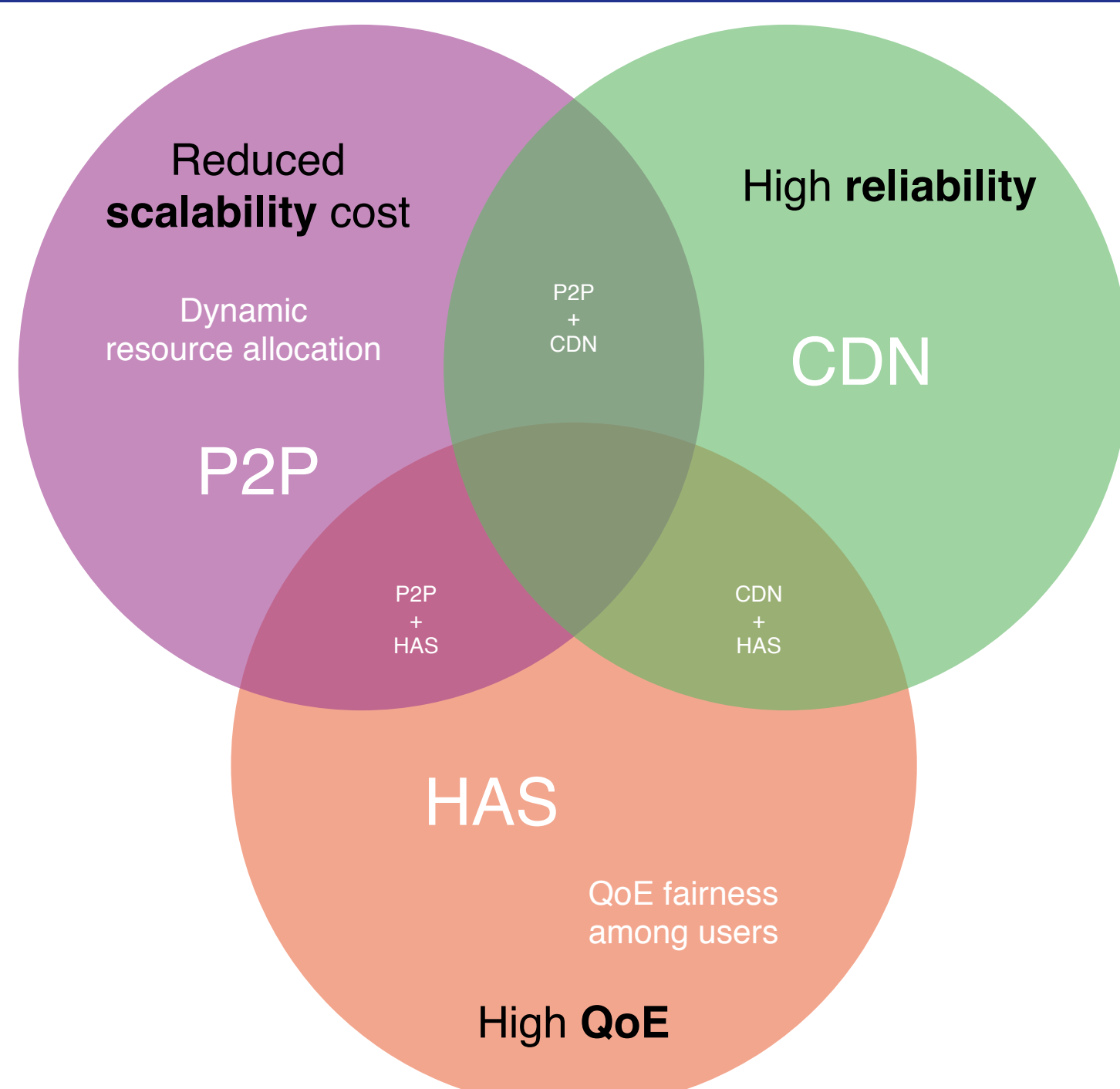
HTTP Adaptive Streaming (HAS)



MS-Stream: Multi-Source Streaming over HTTP



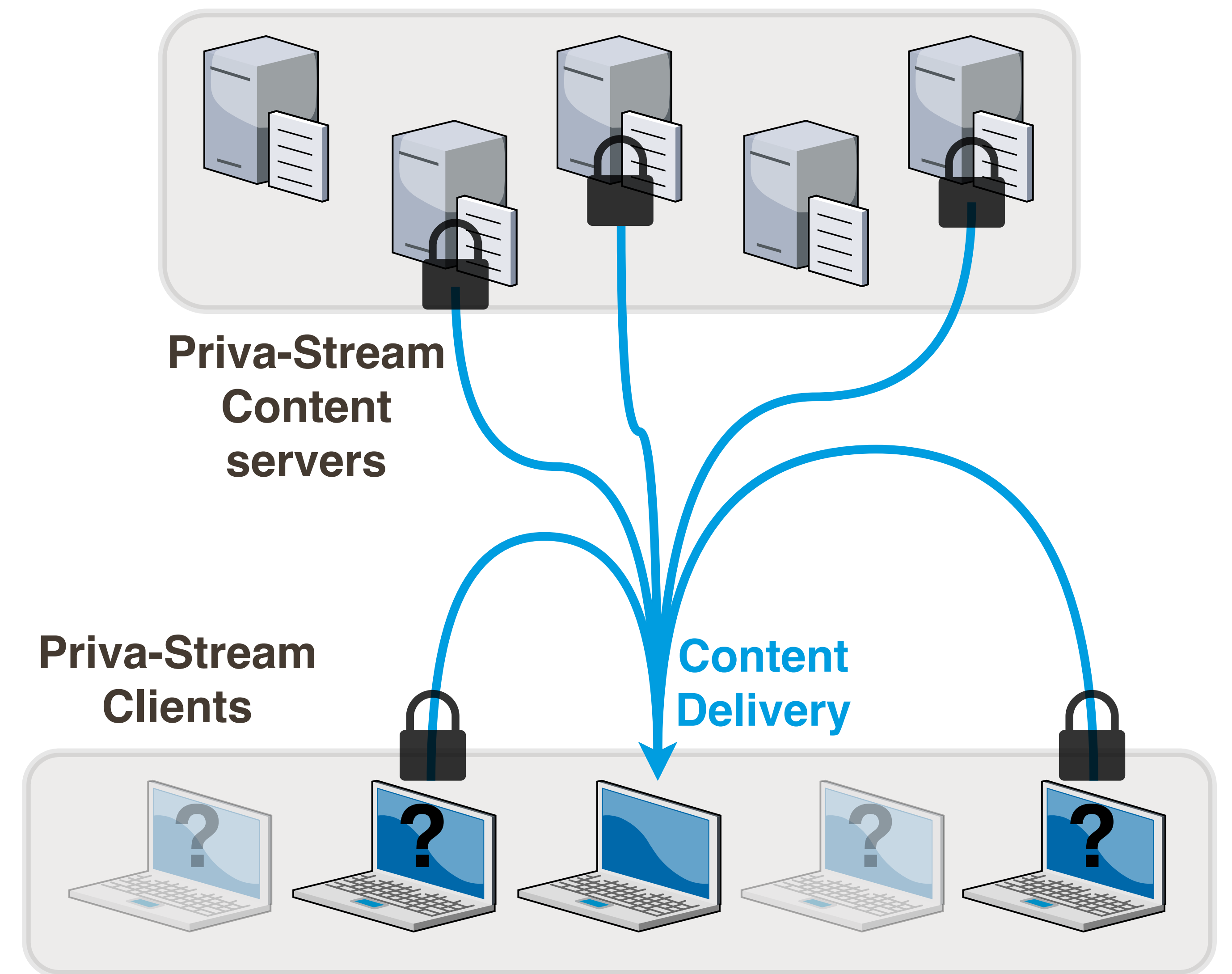
Problem statement



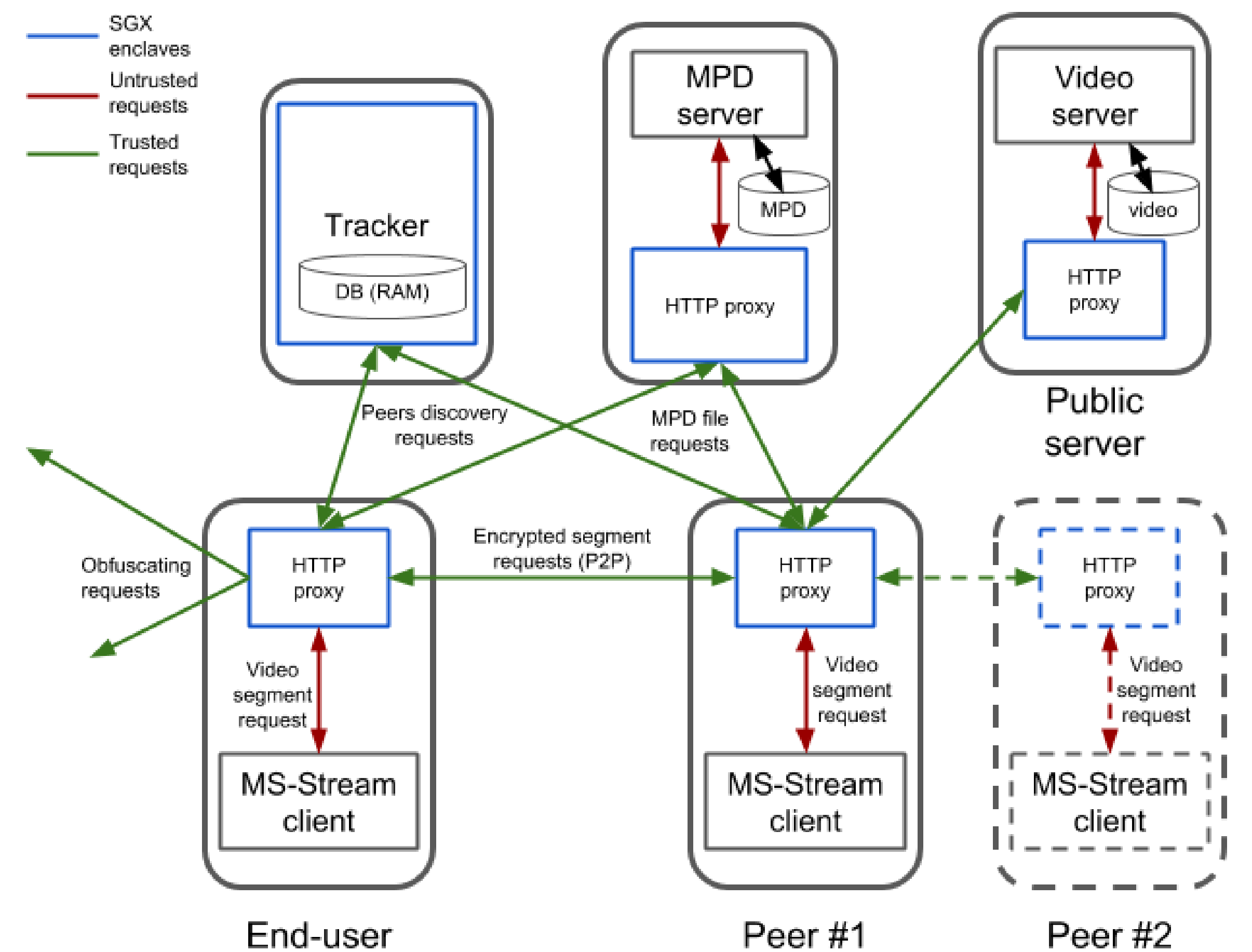
idea

- Reliability, QoE and scalability
MS-Stream: Multiple-Source adaptive streaming over HTTP
- Incentive to contribute
Rewarding: contributing users get a higher quality
- End-users privacy
TEE (SGX): encryption, NAT and anonymity

overview



technical description



early results

Experiment: Four clients joining the system sequentially

