



MCQUIC – Deployment scenarios

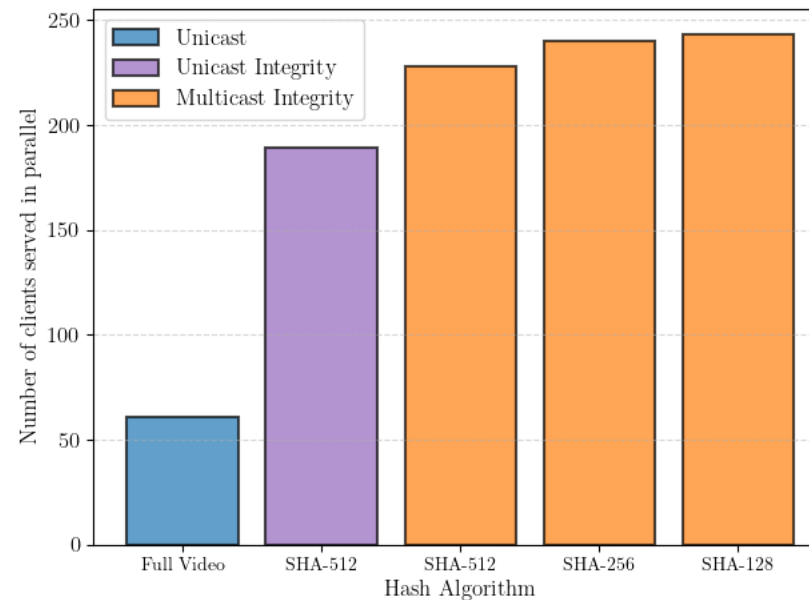
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06.11.24



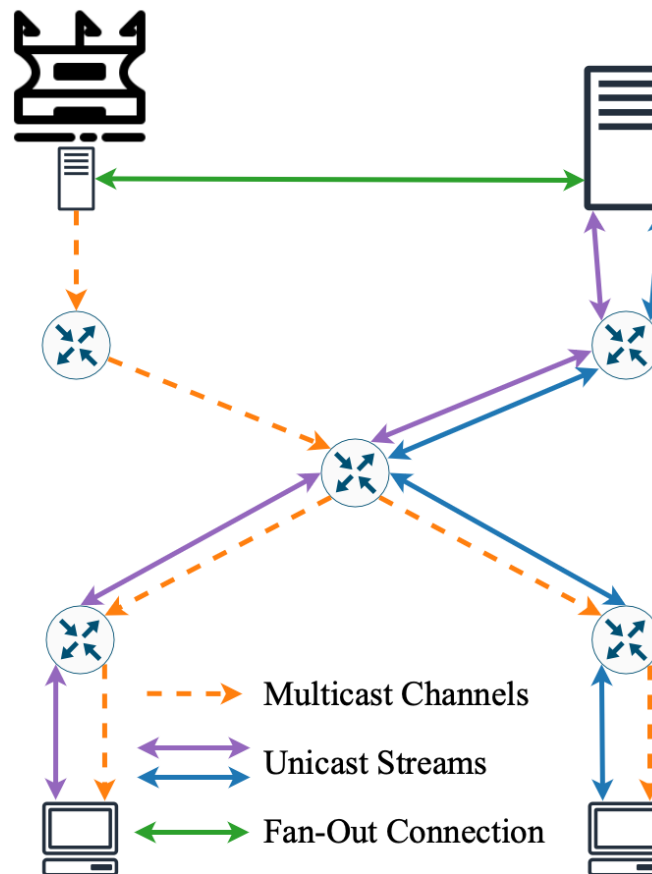
MCQUIC – Unicast overhead

- Unicast connections still have an individual cost
- Scales better, but in cases envisioned more than one server can handle





MCQUIC deployment scenario



Franke, M., Holland, J., & Schmid, S. (2024). MCQUIC - A Multicast Extension for QUIC.





MCQUIC deployment scenario

- Original MC source does not handle unicast connections
- Instead distributes hashes etc. to fan out servers
- Fan out servers handle unicast connections:
 - Allows for load balancing/ much better scaling
 - Removes bottleneck all together, instead of just reducing scalability problem
- Should this interaction be standardised?





Questions?

06.11.24
