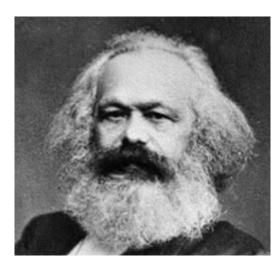
What Priorities Can and Can't Do

Alan Frindell, Meta

1. The resource you are prioritizing is the **bandwidth at the bottleneck link** 



2. You cannot prioritize across connections

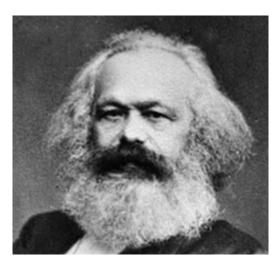
This is done by the kernel and intermediate switches/routers

Corollary: Coalesce traffic you want to prioritize onto the same connection, if

possible

MoQ: Prioritizing across MoQ connections is out of scope?

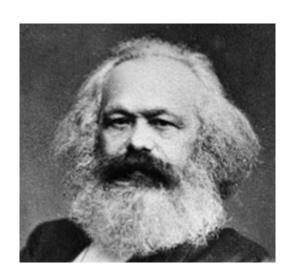
3. You can only prioritize if you have more than one thing to send



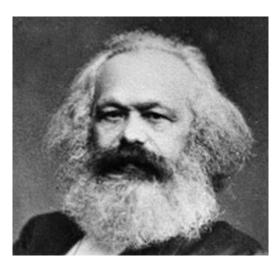
4. Prioritization is a **zero-sum game** 

To make something faster, something else needs to be slower

MoQ: Slower or less reliable (eg dropped)



5. Prioritization is only as effective as the **input signal**Capturing this signal is the hardest part



6. **Reprioritization has a 0.5-RTT penalty**, which limits its effectiveness

MoQ: Reprioritization => Any message from the subscriber => Publisher can't reprioritize

