

Careful Resume Tests!

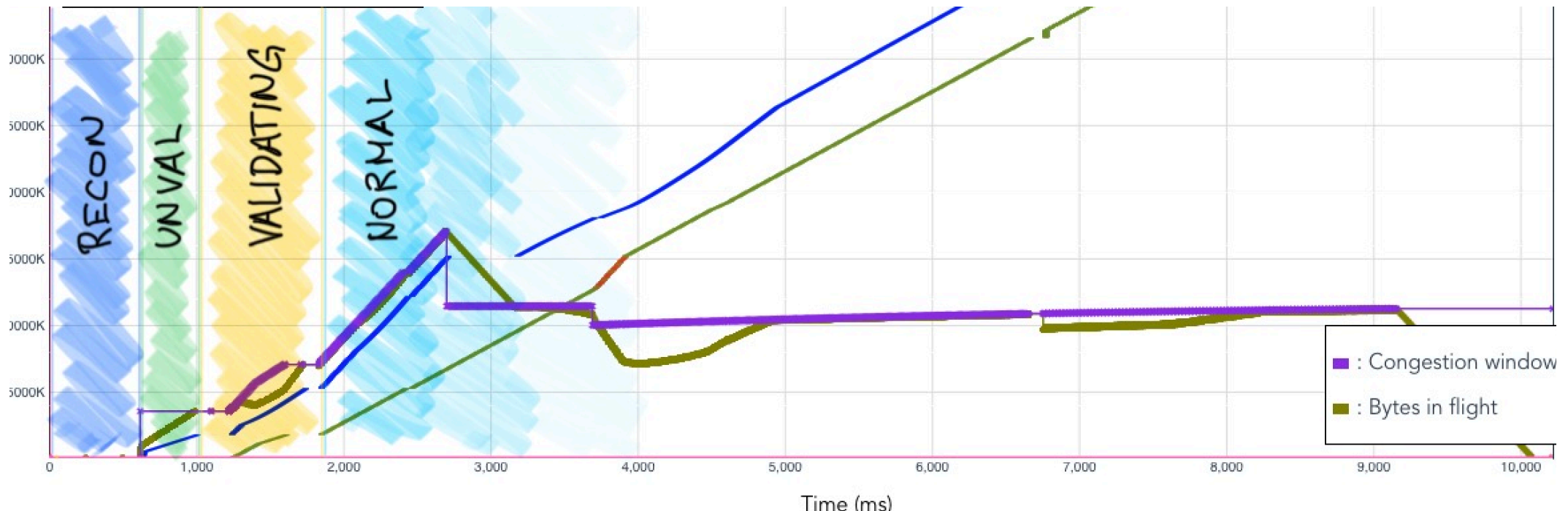
IETF Hackathon 121

{Ana, Joerg, Matthias,
Gorry, Raffaello}

What is CR?

- Transport method to increase cwnd at start-up
- Based on saved path RTT and capacity
- Gets you up to speed faster than Slow start

draft-ietf-tsvwg-careful-resume



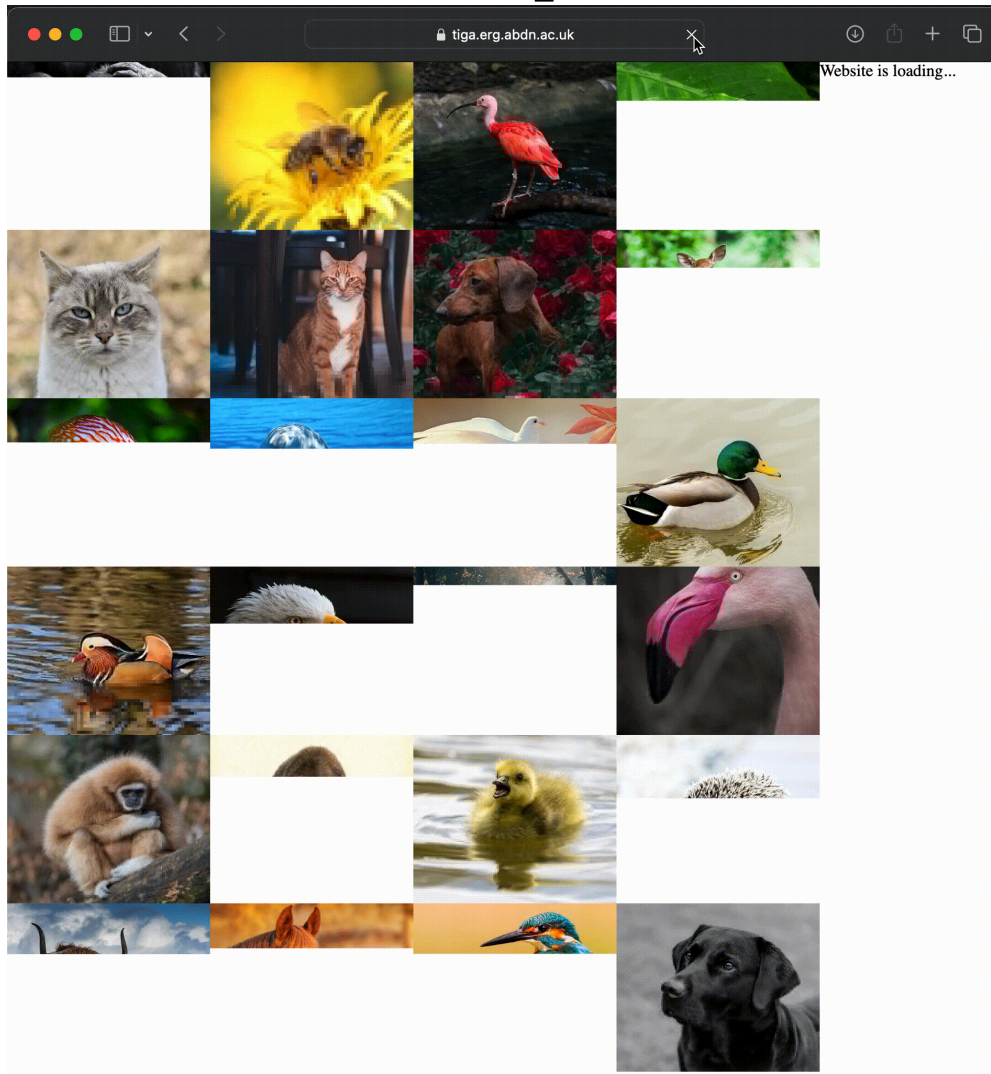
Tests!

- Clients: Chromium, Firefox, Safari
- Servers: picoquic, quiche
- Web page: 24 objects of 50-100Kb in size
 - Total size: 1.4MB



10 Mbps + 600ms RTT

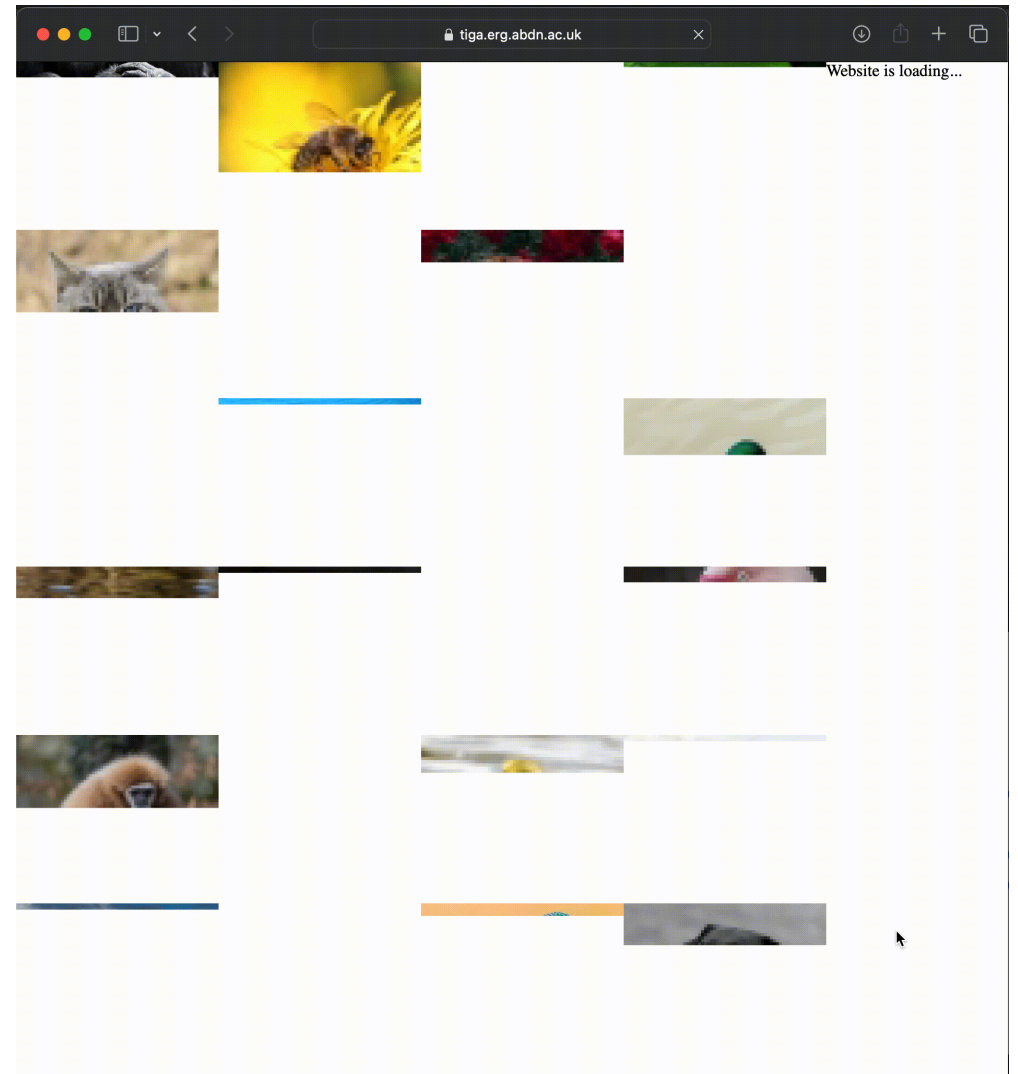
quiche - demo



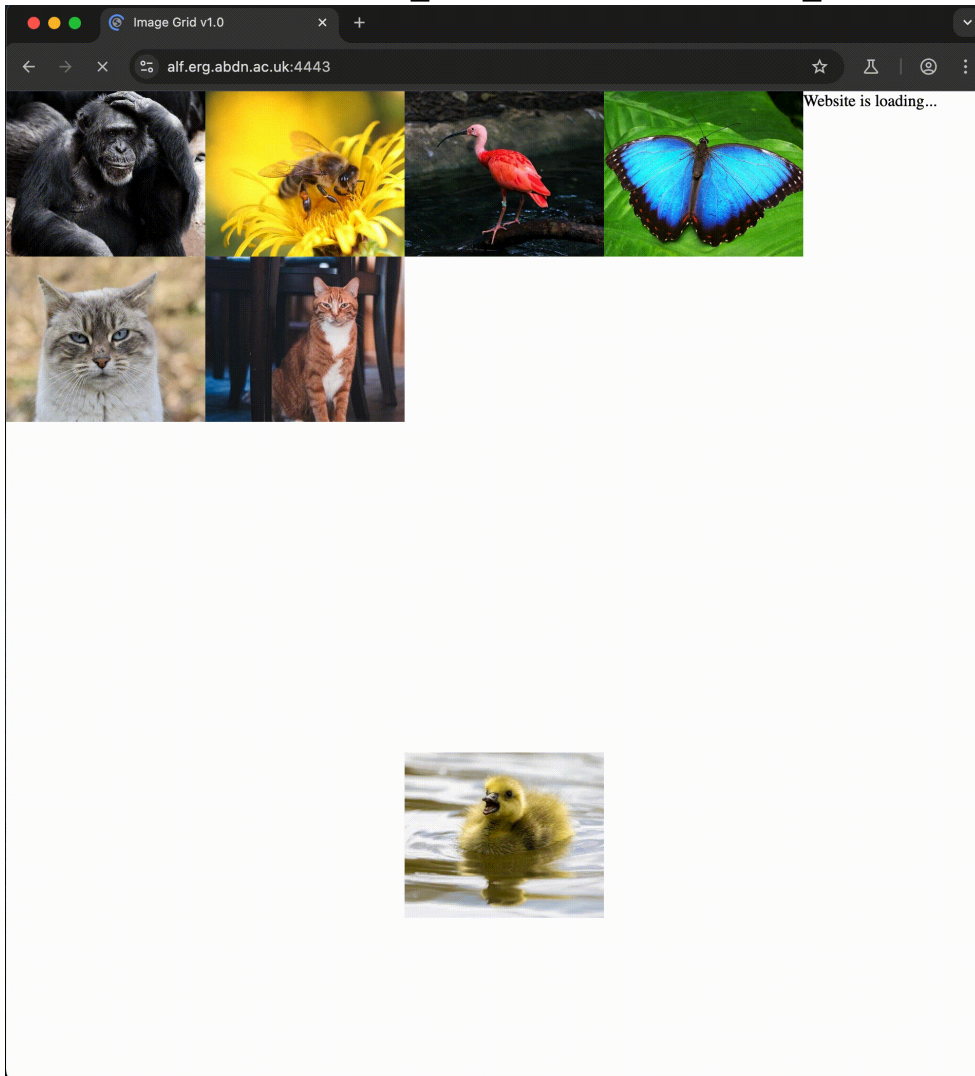
With CR - 4.7s



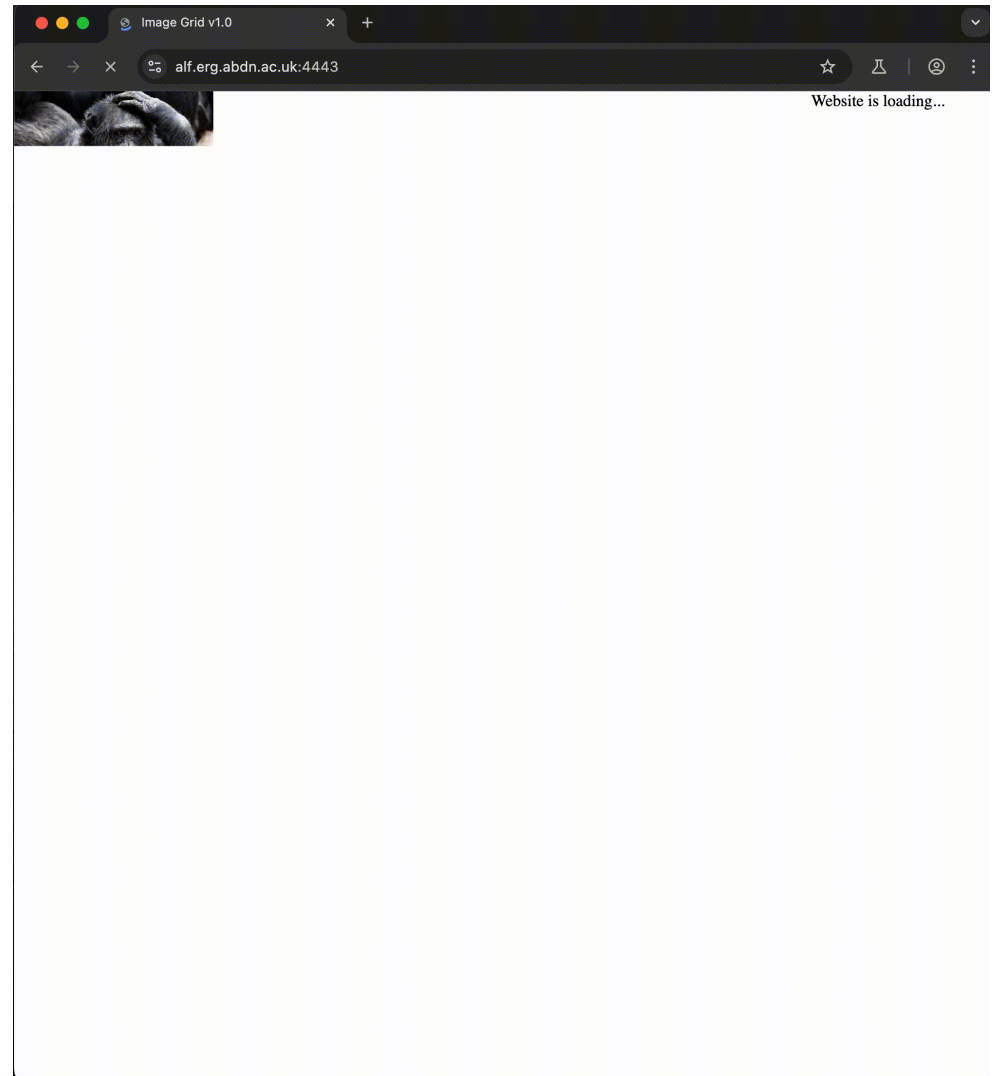
No CR - 6.8s



picoquic - demo



With CR - 4s



No CR - 6s