

# Response time of antiparallel connections with respect to congestion control algorithms

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Advisors:

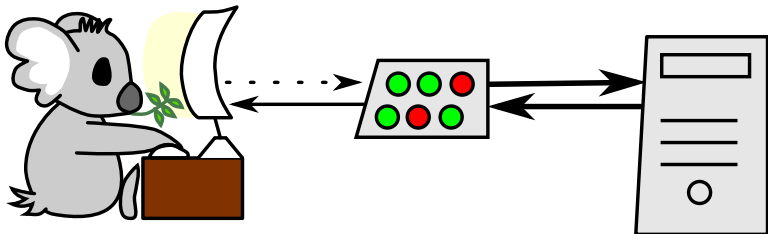
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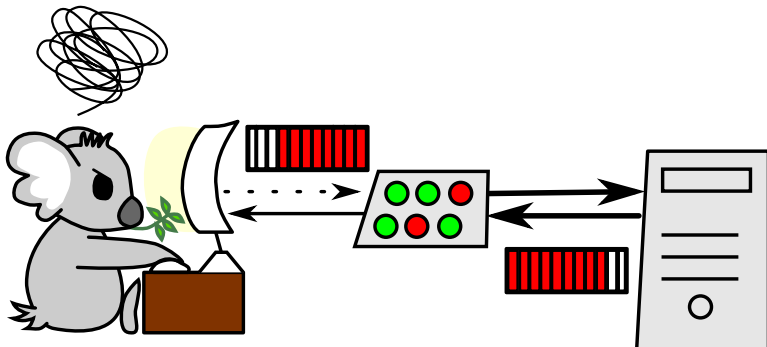
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# A common situation: an user browsing the Internet through a DSL link



# What often happens

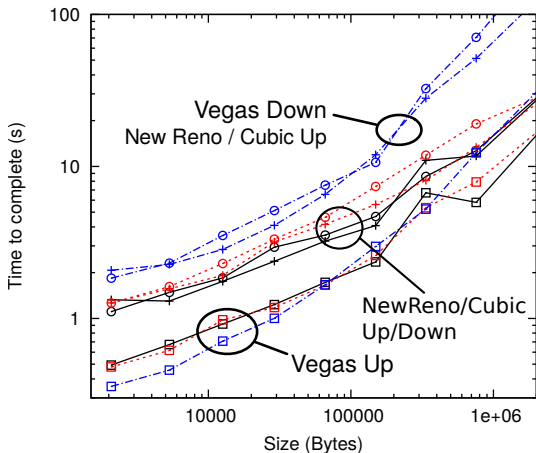


# A non exhaustive list of possible solutions

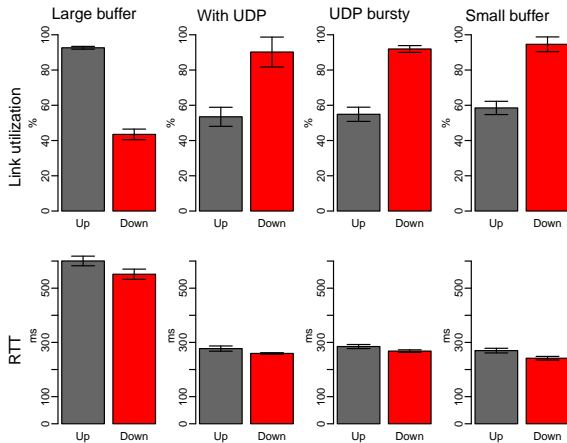
- In the core network:
  - Fair queuing
  - Smaller uplink buffers
- End to end
  - TCP stack: modifying the TCP variant may affect the performances
  - Adding more traffic? adding smaller UDP packets could virtually decrease the buffer size.



# Combining different TCP variants on the uplink and downlink



# Adding more traffic



- A few viable solutions in End to end
- Still, modifying the core buffers remain the best solution



Thank you for your attention

