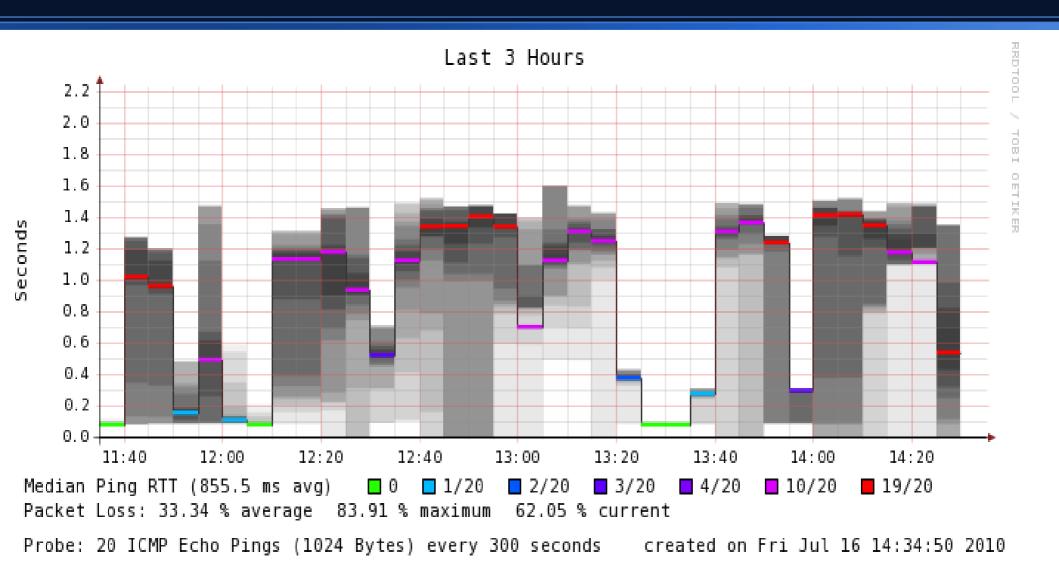
Conclusion:

Http://bufferbloat.net

Hard work of Jim Gettys

This happens a lot . . .



In any multihop path . . .

- There is one hop that is the bottleneck where the buffer fills
- Other buffers are dark don't cause trouble – they are empty
- Not a lot of guidance to mfgrs from stds on sizing buffers

Problem shows up . . .

- Home routers (dsl, cable, fiber)
- Home wi-fi devices
- Device drivers
- Switches
- Other places, too

Giaganto buffers . .

- If the bottleneck is saturated, big buffers don't change thruput
- More packet RAM increases delay and jitter
- This ruins the net for timecritical applications