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## Monitoring and Troubleshooting One Engineer's rant

Peter Hoose packet loss hater, facebook September 29, 2011

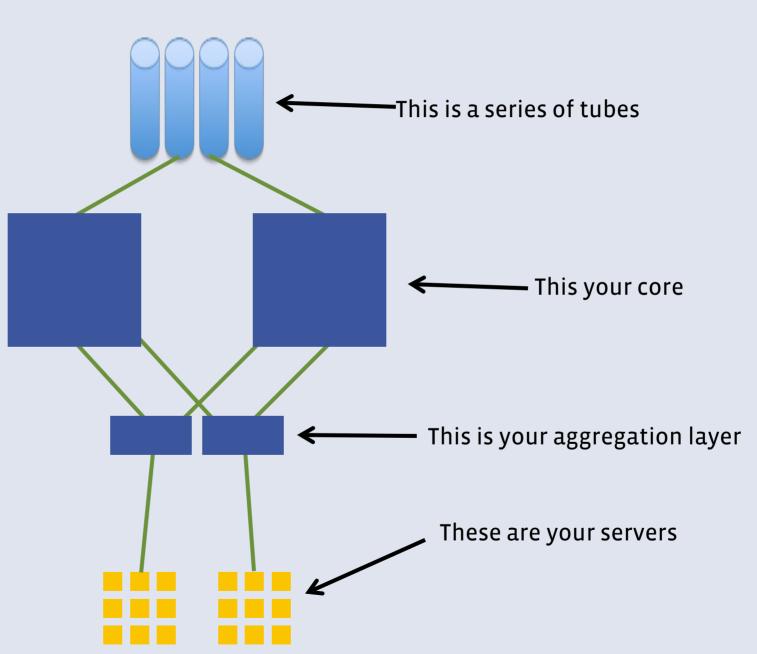
## Denial What problem?

### Why are you complaining?

This is easy!

This is your monitoring infrastructure

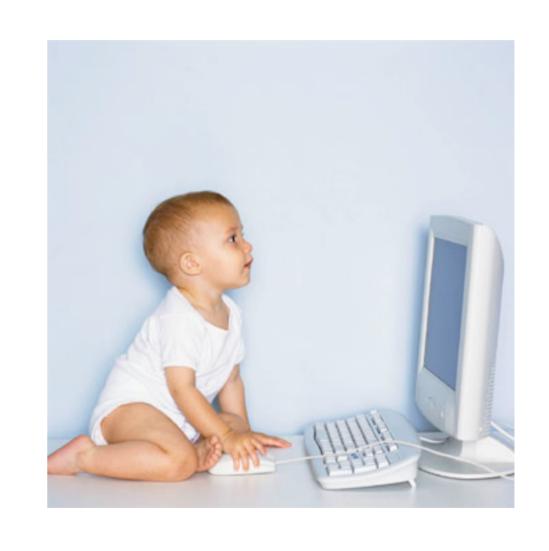
SYSLOG server
Reachability server
graphing server



#### **Troubleshooting Procedure**

#### Intermittent packet loss

- Confirm the issue ping
- Validate the path traceroute
- Check counters sh int
- Check SYSLOGs sh log
- shutdown random ports shut
- Call vendor 1-800-helpme!

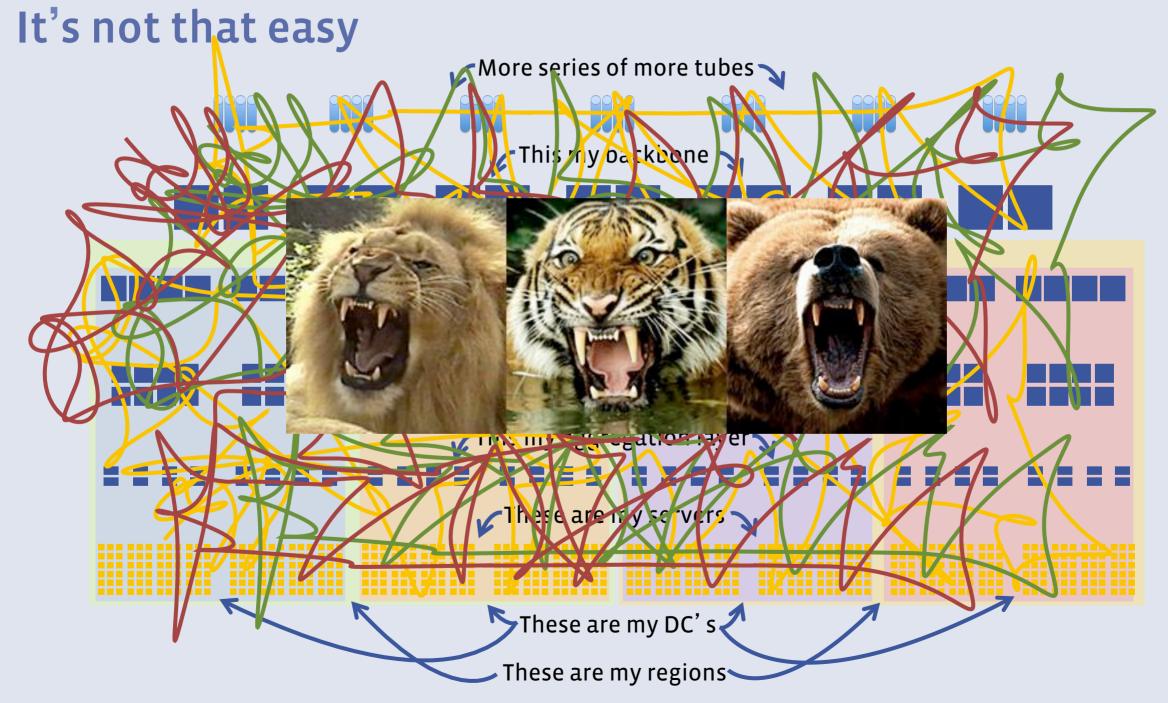


You're right, that is easy!

But...

## That's not my network... (probably not yours either)

### I'm complaining because...

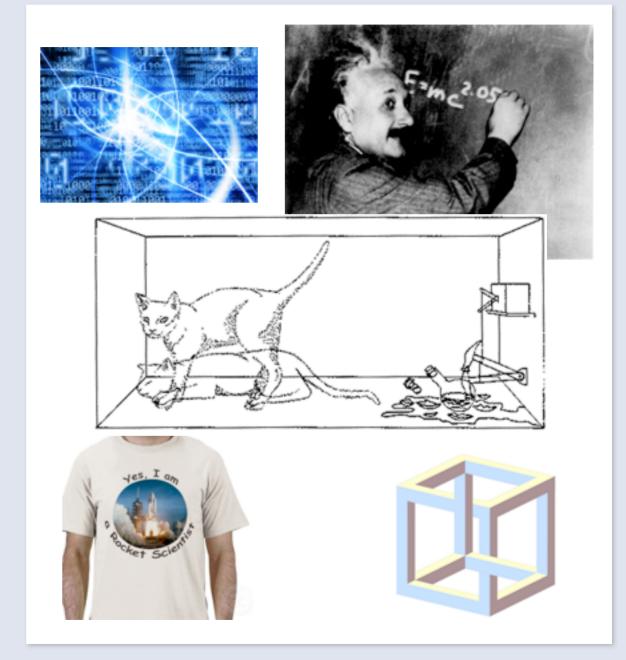


Oh my...

#### **Troubleshooting Procedure**

#### Intermittent packet loss

- Confirm the issue ping
- Validate the path traceroute
- Check counters sh int
- Check SYSLOGs sh log
- shutdown random ports shut
- Call vendor Which one??For which device??



### It must be a network issue!

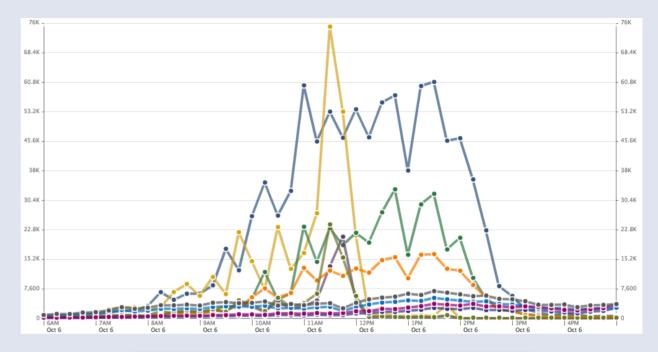
## Acceptance it's broke...

## Solutions? Let's do this!

#### Solutions

#### I got this

- TraceFlow/TracePath
- hping | ping v2?
- Full fabric monitoring
- BFD is cool
- More granular counters
- We need to poll more
- We need to poll less
- Let me pop the hood





### Now what?

Want to help? facebook.com/phoose ph@fb.com

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