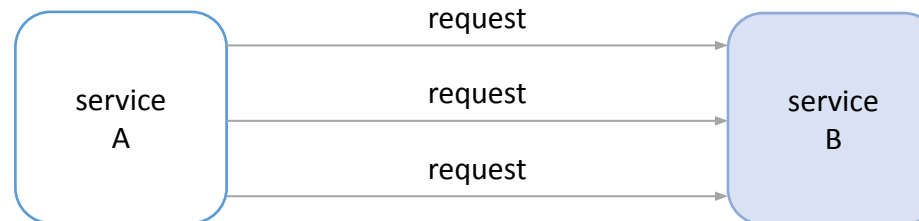# Timeouts

Dr. Werner Vogels, CTO at Amazon.com:

"Failures are a given and everything will eventually fail over time: from routers to hard disks, from operating systems to memory units corrupting TCP packets, from transient errors to permanent failures. This is a given, whether you are using the highest quality hardware or lowest cost components."

Timeouts

we convert <u>slow failures</u> into <u>fast failures</u> using <u>timeout</u>

timeout defines how much time the client is
willing to wait for a response from the server

connection timeout

how much to wait for a connection to establish

timeout value = 10 - 100 ms

request timeout

how much to wait for a request to complete

timeout value = p99.9 request latency