

Break Things on Purpose

Kolton Andrus CEO, Gremlin





Pathemata mathemta:

Guide your learning through pain

Skin in the GameNassim Nicholas Taleb



Hormesis

a favorable response to low exposures to stressors

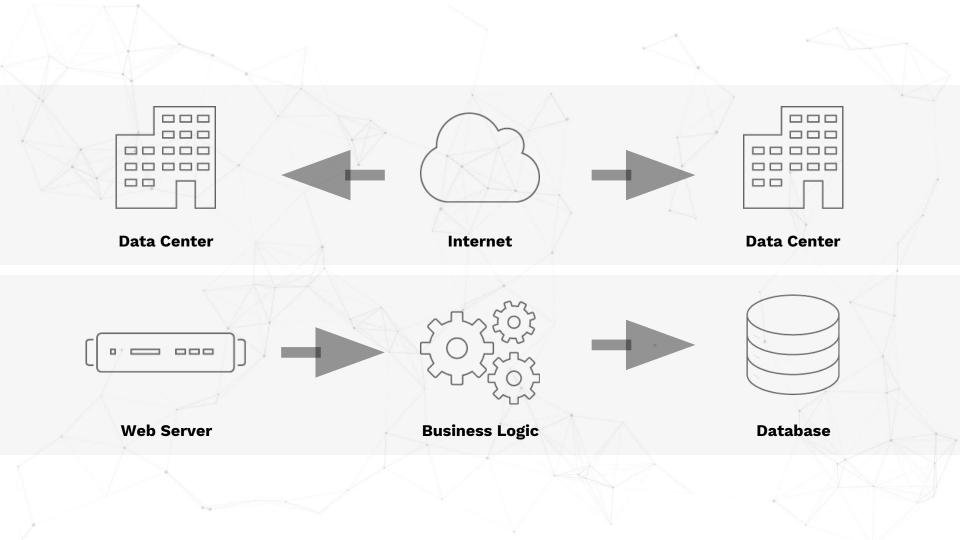
Inject something harmful, in order to build an immunity

Chaos Engineering:

Thoughtful, planned experiments designed to reveal the weakness in our systems.

We test **proactively**, instead of waiting for an outage.

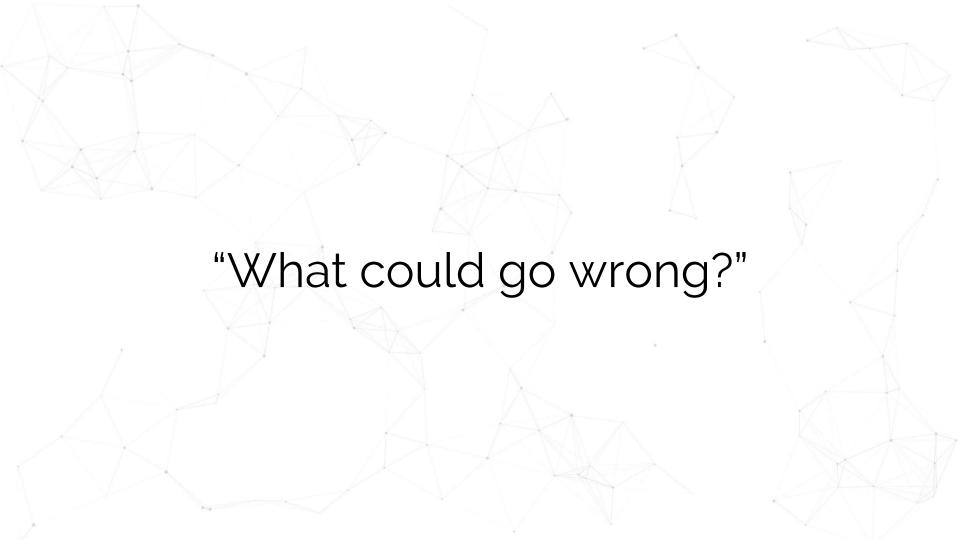
Why Now?

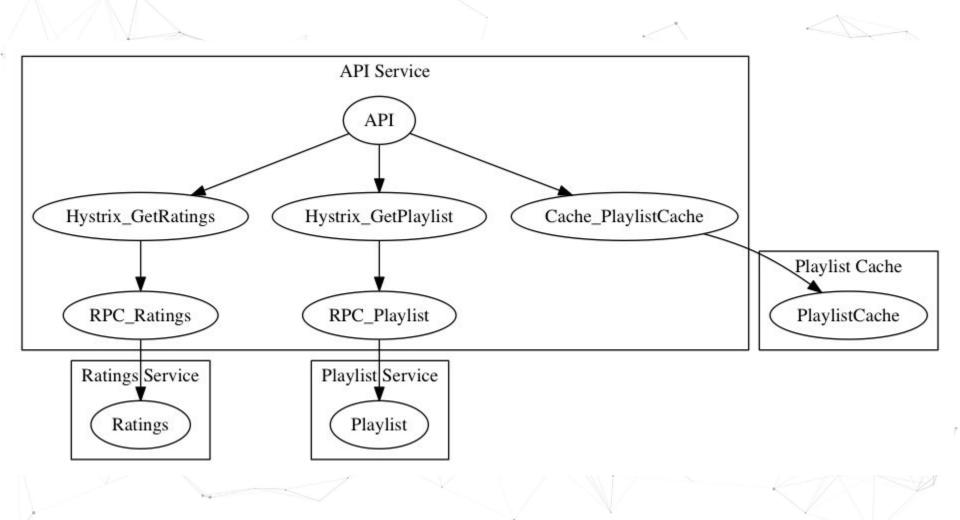


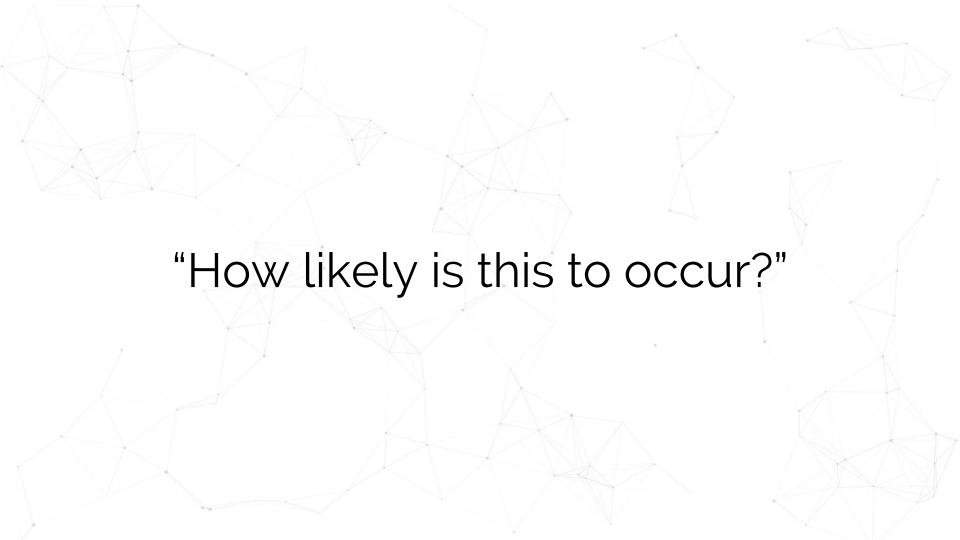




Effective Experimentation







"What is the cost of being wrong?"

S3 **\$150M**

Delta \$100M

US Annually \$700B



It's Gameday



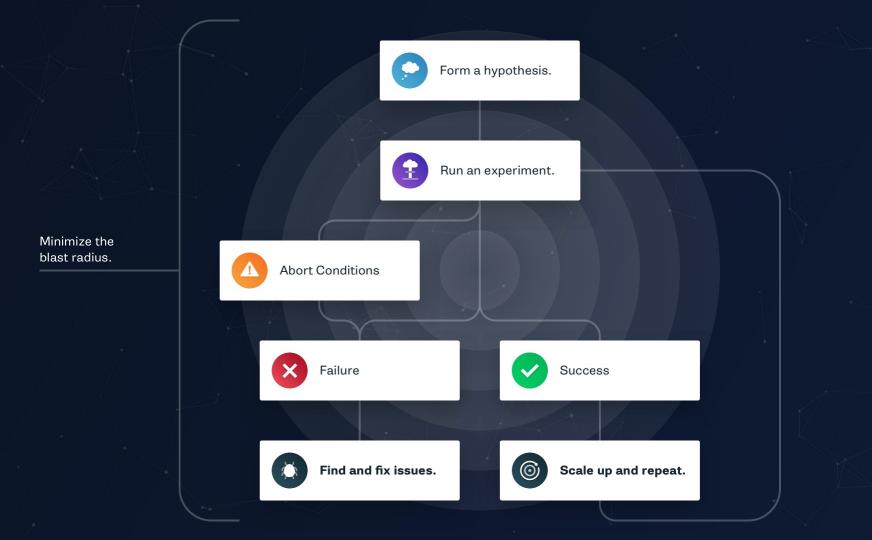


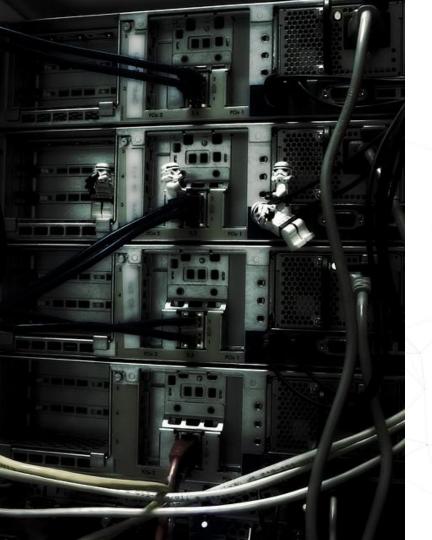
Picard Tips @PicardTips · 20 Dec 2015

Picard management tip: Run crisis drills when all is well. A real calamity is not a good time for training.







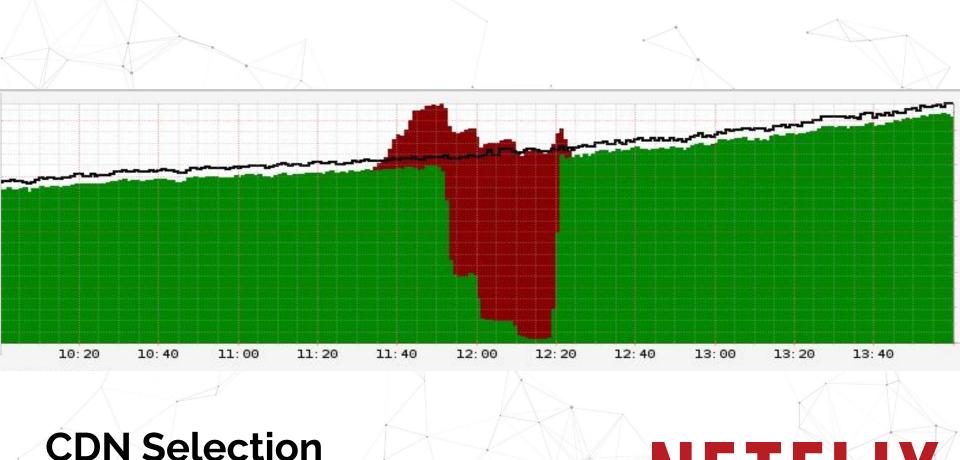


Those unwilling to test in production aren't yet confident that the service will continue operating through failures.

And, without production testing, recovery won't work when called upon.

James Hamilton Distinguished Engineer, AWS Prepare for

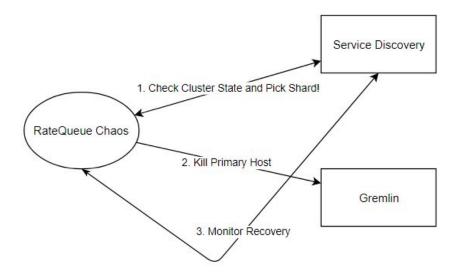
Real World Scenarios.



CDN Selection

NETELN

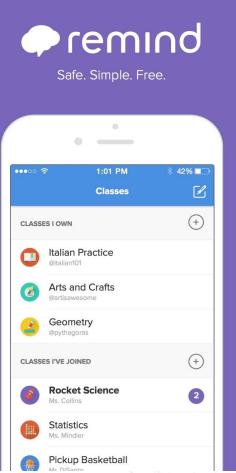
Never lose a message



Ratequeue







Automation

"What is Tier 1?"

Finding the Critical Services

Automating Failure Testing Research at Internet Scale

Peter Alvaro

UC Santa Cruz palvaro@ucsc.edu Kolton Andrus

Gremlin, Inc. (Formerly Netflix) kolton@gremlininc.com

Chris Sanden Casey Rosenthal Ali Basiri Lorin Hochstein

Netflix, Inc. csanden,crosenthal,abasiri,lhochstein @netflix.com

How do I get started?

Chaos Engineering Community

CHICAGO

gremlin.com/community

Thanks!

@KoltonAndrus

@GremlinInc

www.gremlin.com







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