DevOps vs SRE

Continuous Delivery Pipelines
Bridging the Gap

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Agenda

- DevOps and/or/vs SRE?
- Action favors the bold or prepared?
- Eventually you must pull the trigger...

Ravi Lachhman

Evangelist

@ravilach

Ravi Lachhman is an evangelist at Harness. Prior to Harness, Ravi was an evangelist at AppDynamics. Ravi has held various sales and engineering roles at Mesosphere, Red Hat, and IBM helping commercial and federal clients build the next generation of distributed systems. Ravi enjoys traveling the world with his stomach and is obsessed with Korean BBQ.
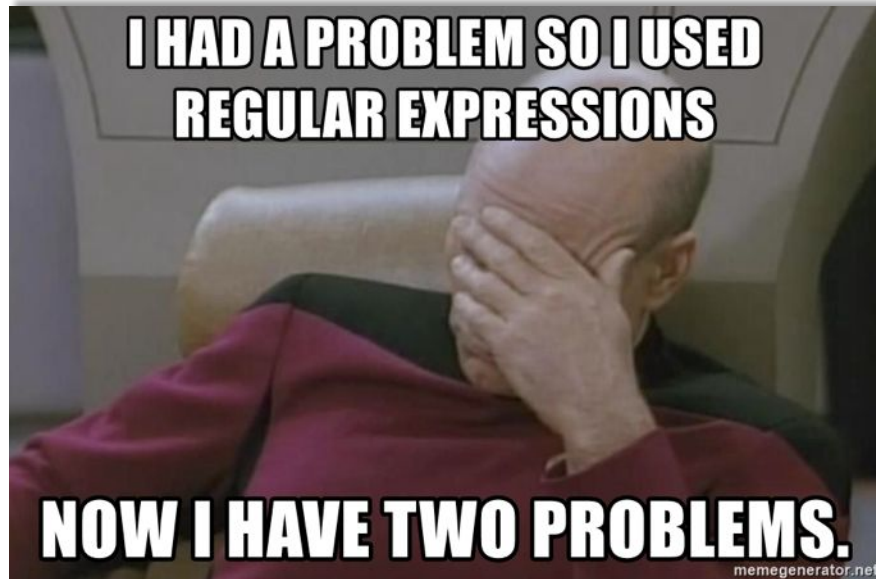
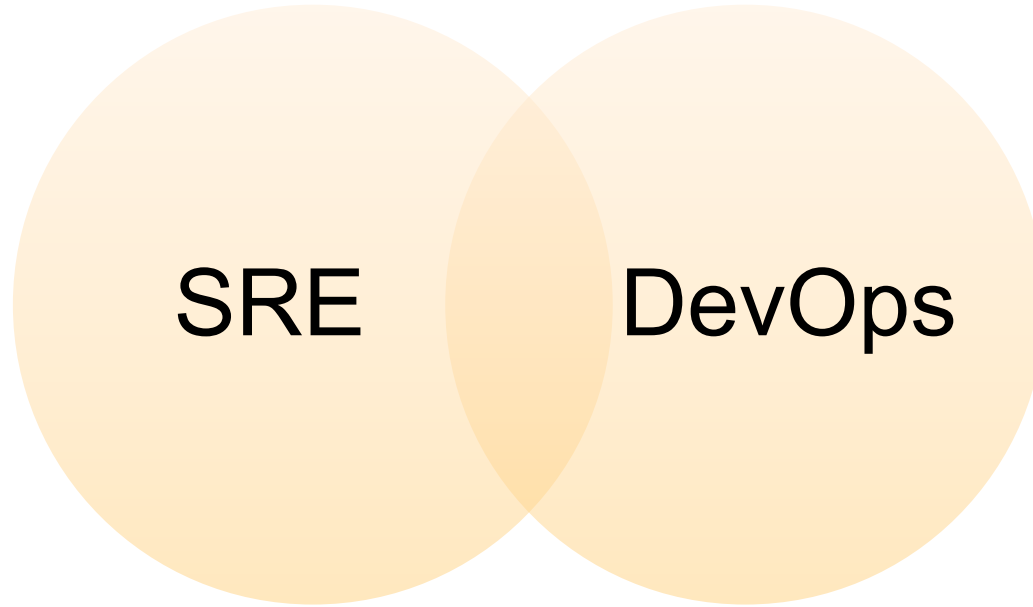# Enabling Efficiency and Resiliency

Conway's Law
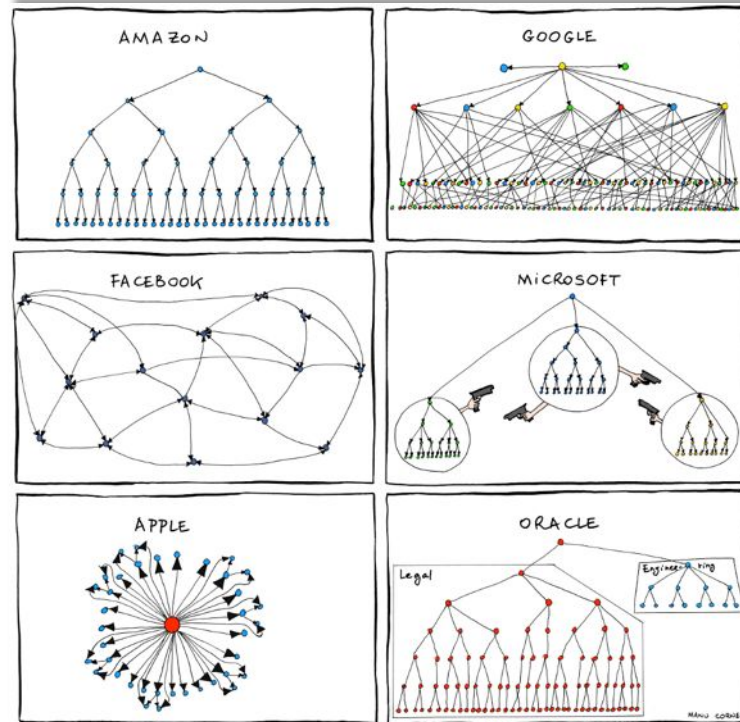
Two Different Goals

Two Different Problem Sets

Comparisons, in a 6 Round Battle

SRE   DevOps

Round I, tl;dr

SRE

Resilience,
Scaling,
Uptime,
Robustness

DevOps

Development
Pipelines

Round II, Does the App Cluster?

SRE

RAFT based leader with Zookeeper and Mesos

DevOps

Yes, we need three nodes

SKILup DAYS

Round III, Can We Have Monitoring?

SRE

BlackBox
vs
WhiteBox

DevOps

Yes,
Prometheus,
ELK, FluentD

SKIL**up**
DAYS

Round IV, Our Deployment Failed

SRE

DevOps

Did it cause an incident?

Re-run the pipeline and we can up the logging.

Round V, Typical Metrics

SRE

Error budgets, SLOs, SLIs

DevOps

Deployment frequency, deployment failure rate
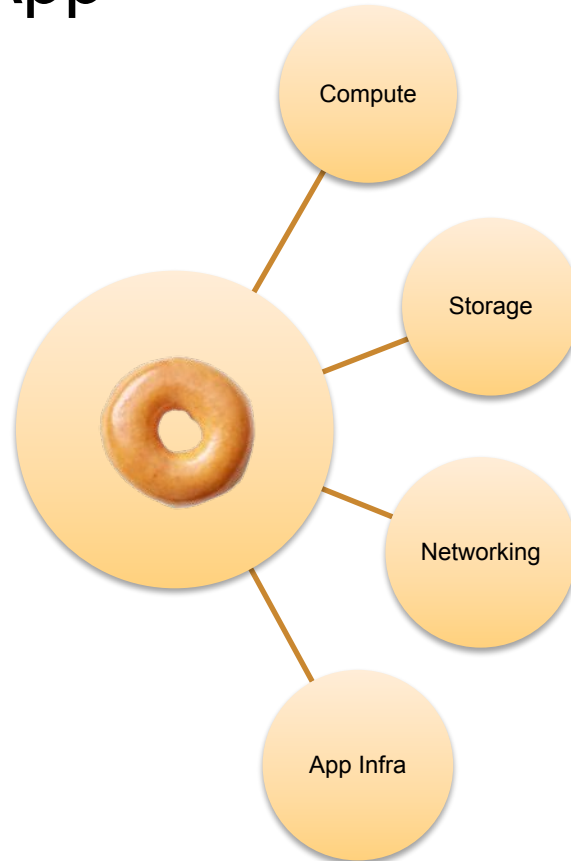
Round VI, War Chant

SRE

DevOps

No Root Cause!

People, Process, Technology!

Eventually You Have to do Something

Dimensions of an App

How do you Deploy?

```
#!/bin/sh
#!/bin/bash
#!/usr/bin/env python3
```
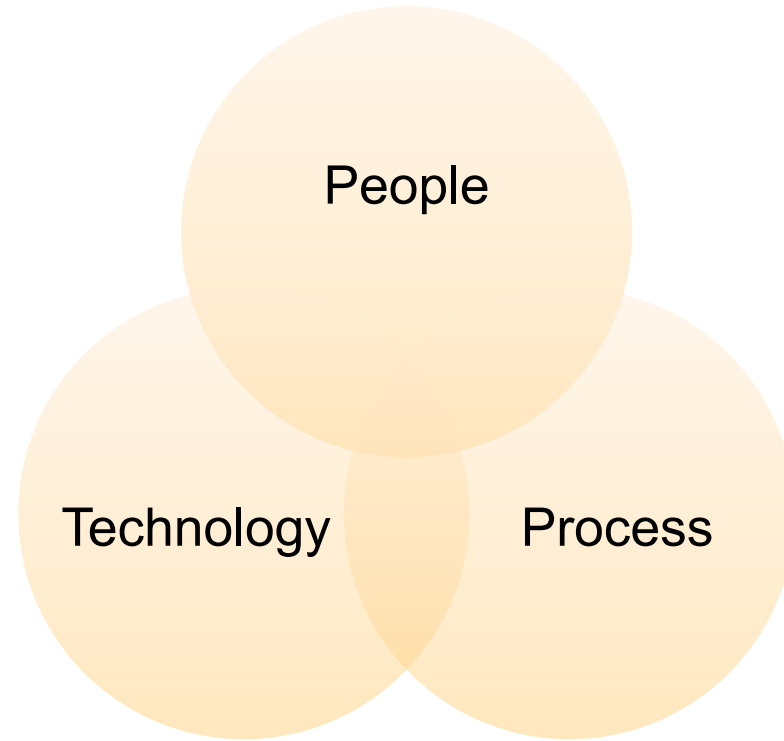
Pipelines, in Good and in Incident

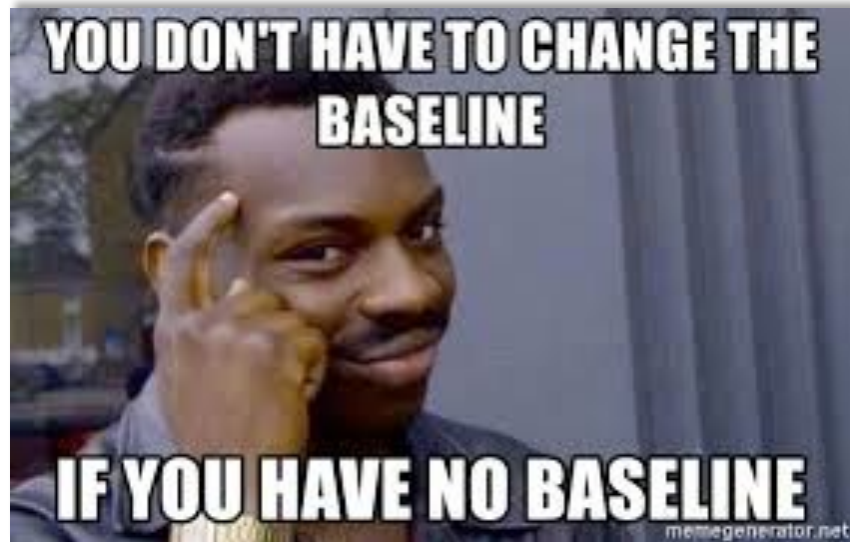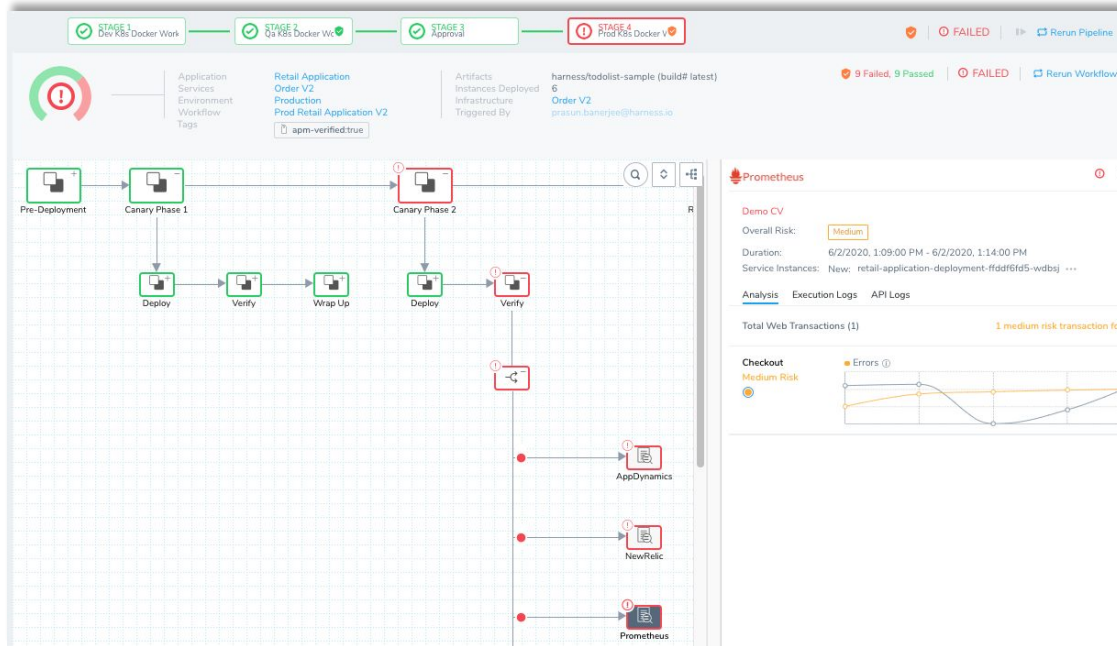Deploying During an Incident

Deploying New Feature

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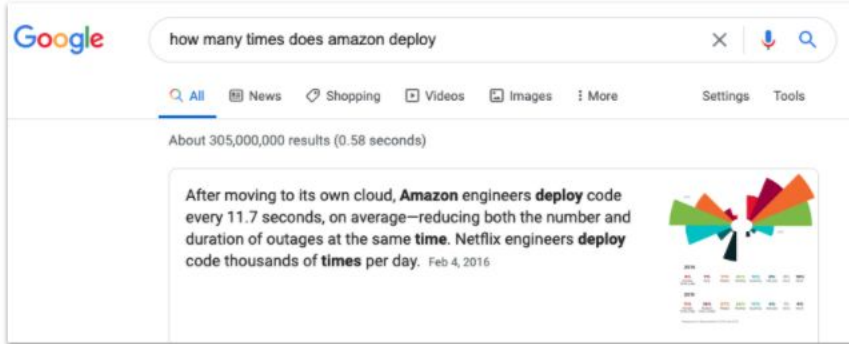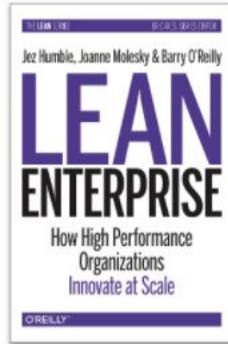# Confidence is Always Needed

Being Prepared to Take Action

What is Normal?

Continuous Delivery Pipelines

The Linux Foundation - CDF

THANK YOU!

Meet me in the Network
Chat Lounge for questions

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