

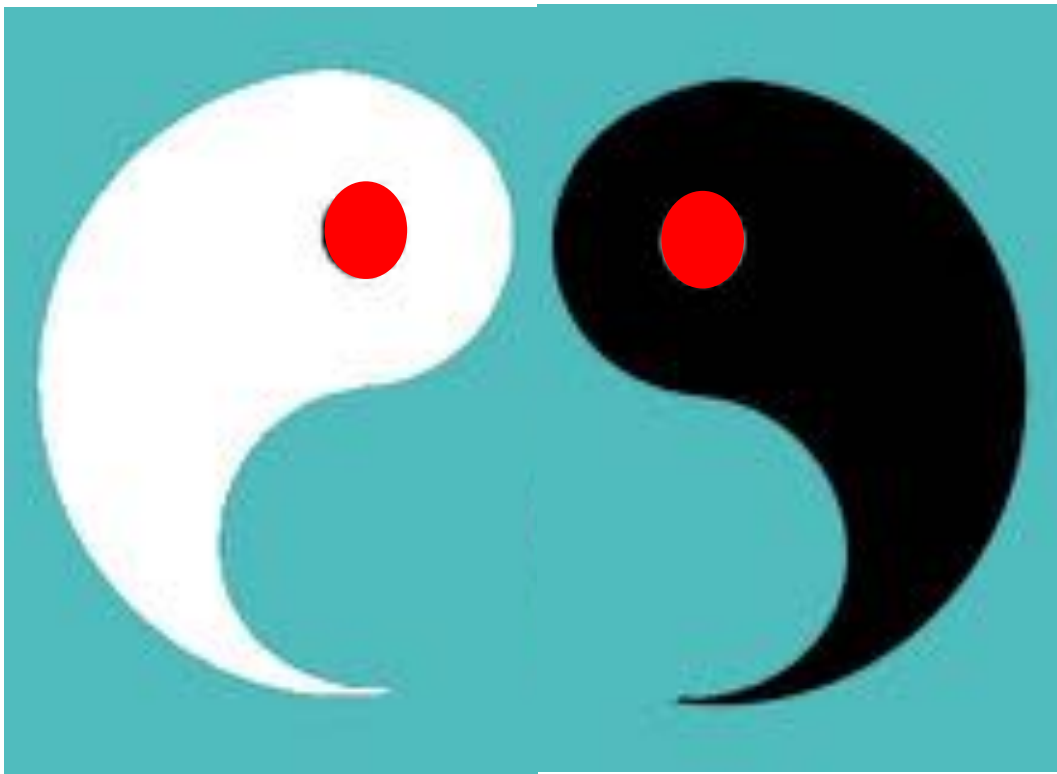
The Yin & Yang of DevOps Transformation



Steve Brodie
CEO, Electric Cloud



Dev and Ops: Opposing or Complementary





DevOps Harmony



Gene Kim's - 3 Ways of DevOps....PLUS a 4th

1. Systems Thinking

- Holistic vs. Silos
- Circle = System
- Organic Fit

2. Feedback Loops

- Interdependent
- Mutual Feeds



3. Continuous Learning

- Conveys Rotation
- Iterate, Learn

4. Shared Mindset

- Opposing Color Dots
- Common Objectives
- Empathy



Sharing

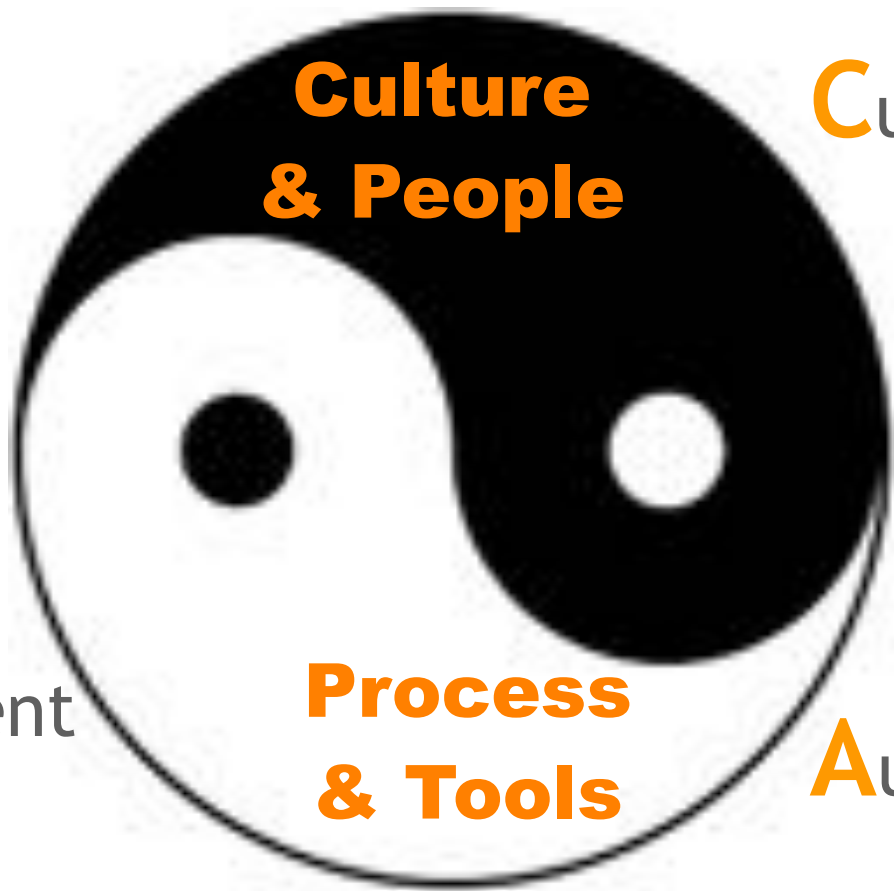
**Culture
& People**

Culture

Measurement

**Process
& Tools**

Automation





Diverse, Cross-Functional Teams



Shared Mission, Values, Objectives



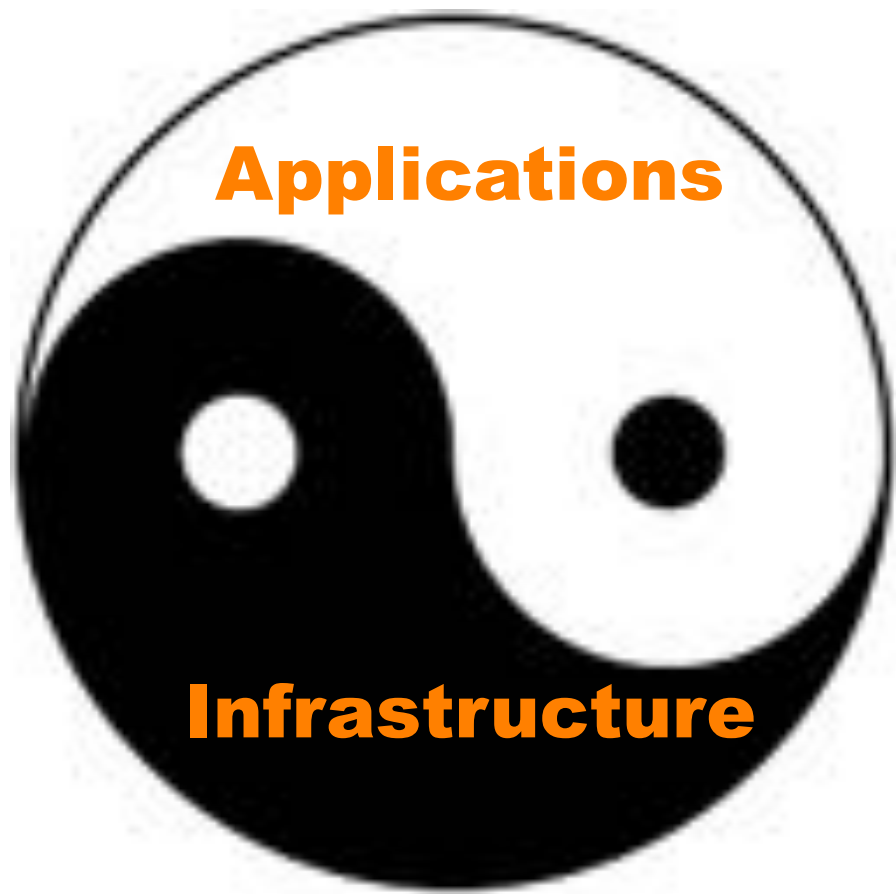
Mission & Way

We help the
world deliver
better software
faster





Automation

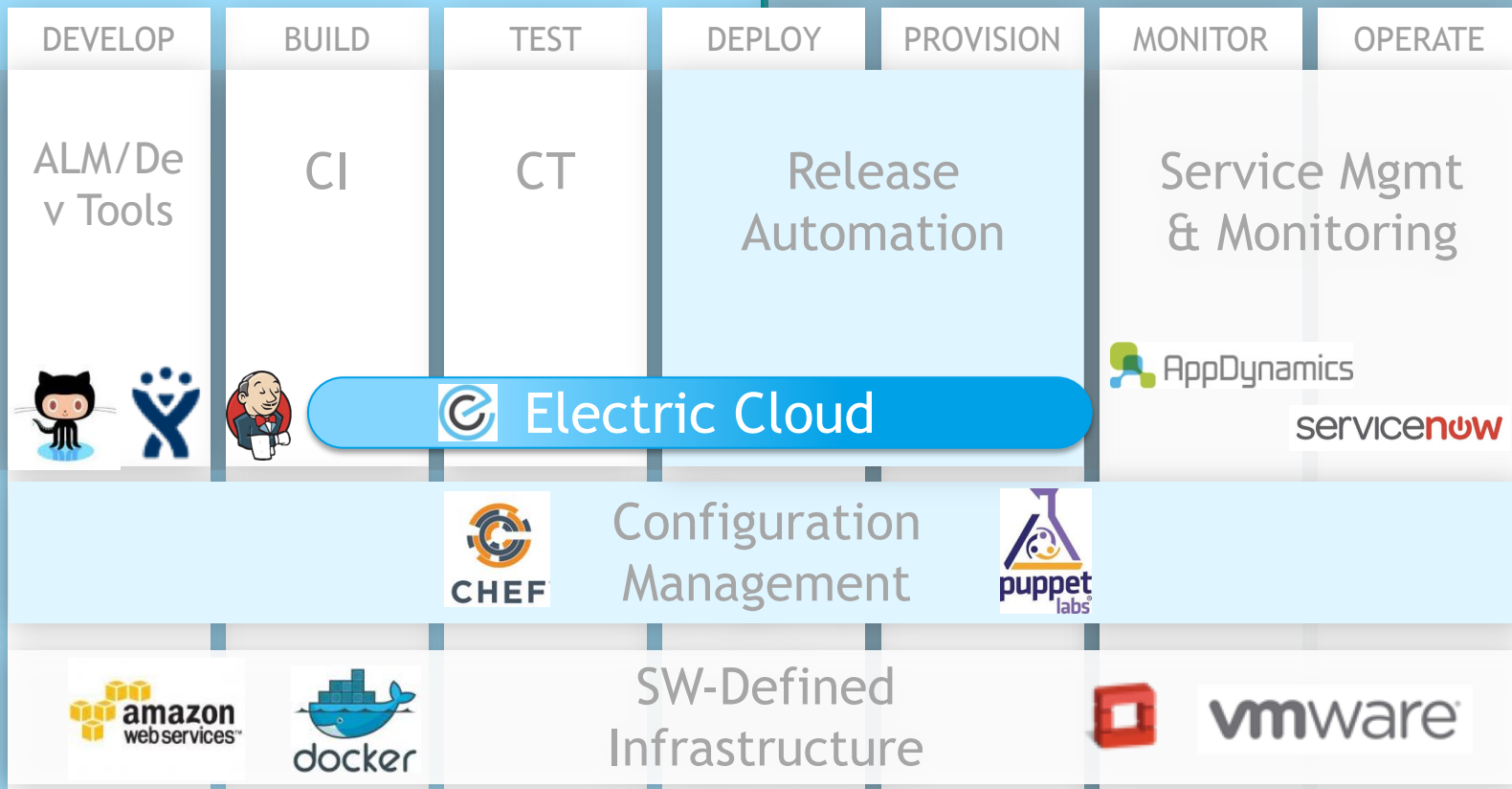


DevOps Tool Landscape

DEV | OPS

APPS

INFRA

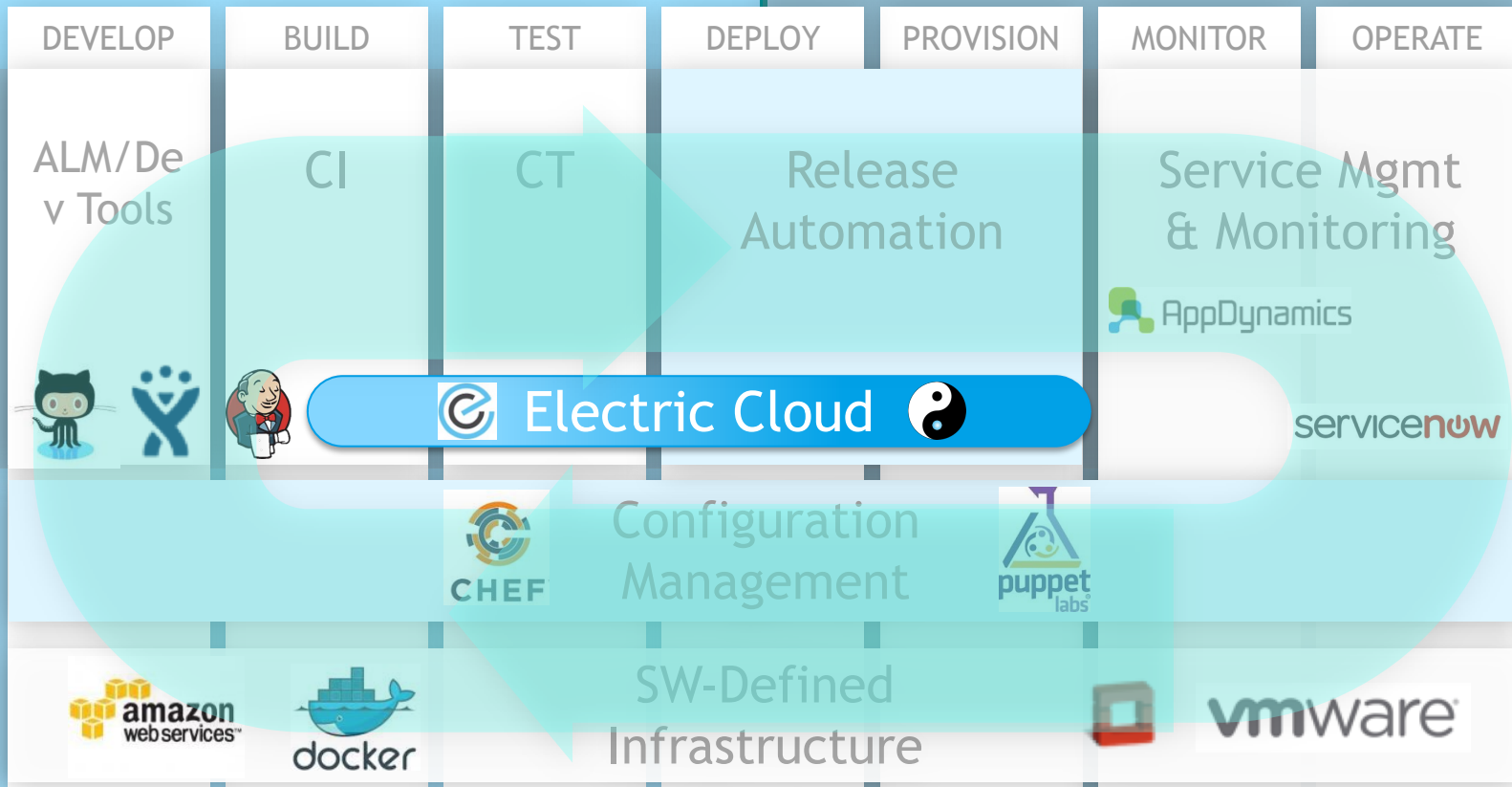


Orchestrating the DevOps Lifecycle

DEV | OPS

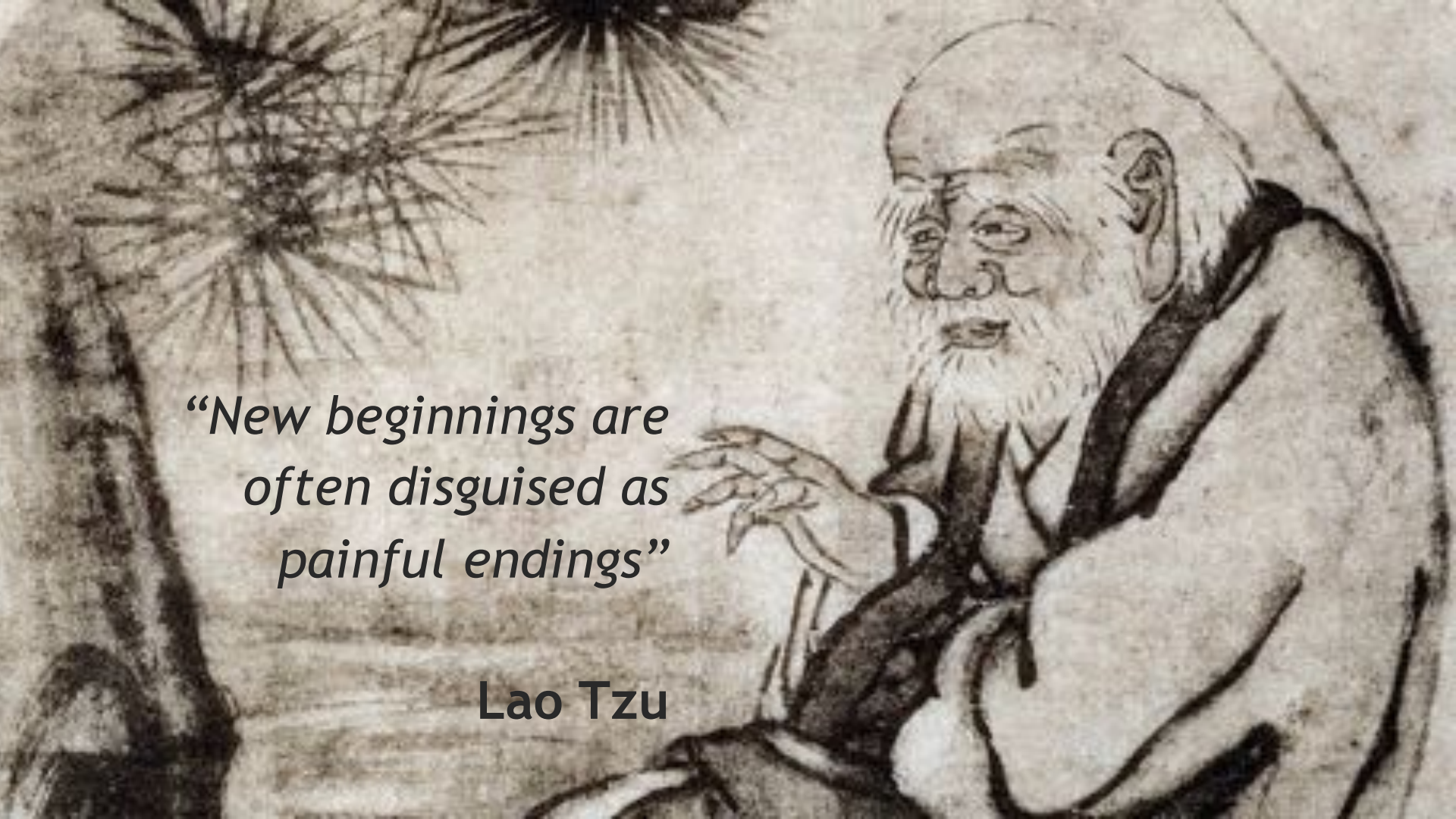
APPS

INFRA





Where do I Start?



*“New beginnings are
often disguised as
painful endings”*

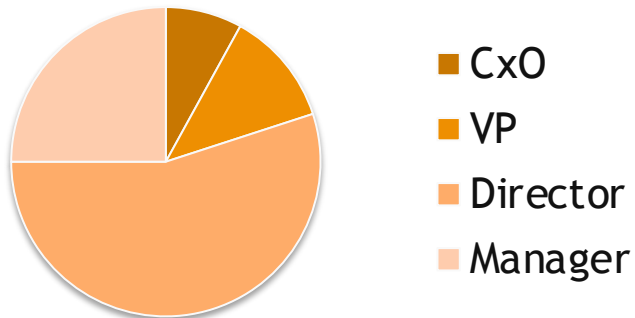
Lao Tzu

“Where code deployments are most painful, you find the poorest IT performance, org performance and culture”

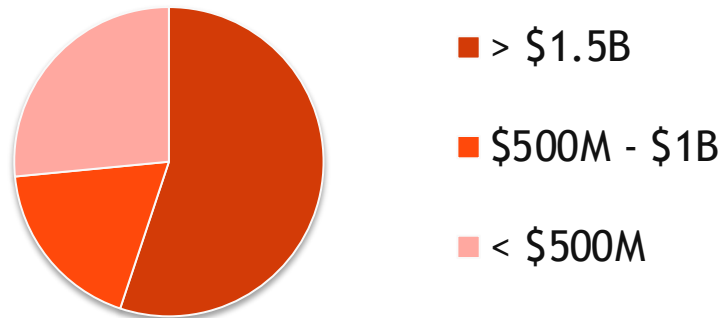
Puppet Labs, 2015 State of DevOps Report
<https://puppetlabs.com/2015-devops-report>

EC Application Release Survey: 101 Respondents

Respondent Titles



Company Revenues

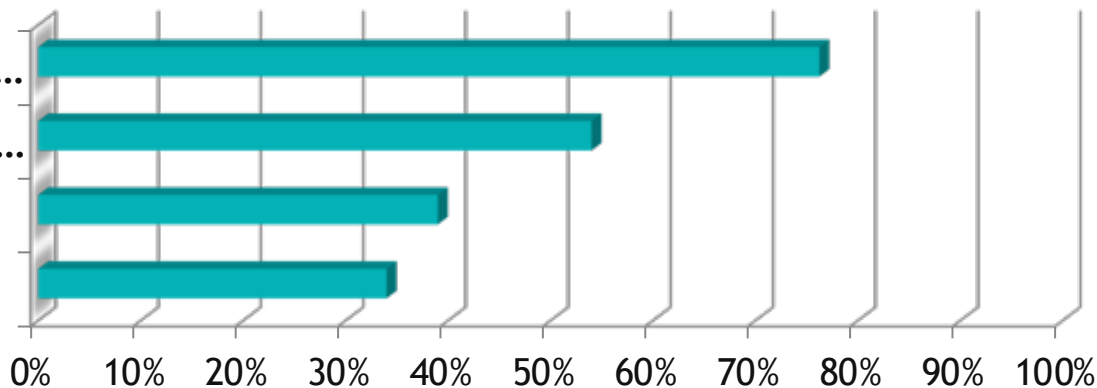


Production Release Problems...

Inconsistent Deploy Process...

Miss Release Deadlines

Stabilize Releases > 1 Day



Why's Application Deploy Good Starting Point?

- Commonly cited pain area
- Often relies on scripts & manual orchestration
- Or uses sub-optimal automation tools
- Requires coordination across App & Infra
- Can start small, expand incrementally
 - Start with one application
 - Start in one environment (production, test, etc.)
- Extending across environments establishes common deploy process



A low-angle, close-up photograph of the Golden Gate Bridge, showing the intricate steel structure of the tower and the suspension cables against a clear, bright sky. The bridge's iconic orange-red color is visible on the tower and cables.


DEVOPS

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0123456789
c9d9

Continuous Discussions (#c9d9)

An online panel to discuss Agile, DevOps and Continuous Delivery

On the next episode of Continuous Discussions:

Docker & Containers in your CD Pipeline

Tuesday, November 3, 10am PDT

[Add the event to your calendar »](#)

 (We're using Google Hangouts)



Featured Panelists:



Bernd Ruther

Bernd Ruther has been working as programmer since 2008. He has well-grounded knowledge in areas like Big Data, Continuous Delivery and agile software architectures.

[@bernd_r](#) [blog.codecentric.de/author/bernd-ruther/](#)



Kevin Fisher

Director of Sales & Marketing at mash5Corp.

[@kfisher1](#)

[mash5corp.com/blog](#)



Nish Vase

Senior Software Engineer on the Elastic Cloud

What is Continuous Discussions? (#c9d9)

WHAT DO WE MEAN?



WHAT DO WE WANT TO?



SO WE CAN GET BETTER SOFTWARE



CONTINUOUSLY



Continuous Discussions is an open forum to discuss Agile, DevOps and Continuous Delivery. It is held as an online panel, and you're all invited!

- Come hear community members and practitioners share their experiences
- Come in to share your thoughts on the

ElectricFlow Community Edition - FREE!

Electric Cloud

Q&A

ElectricFlow

Simplify deployments
and achieve end-to-end
Continuous Delivery. **FREE!**

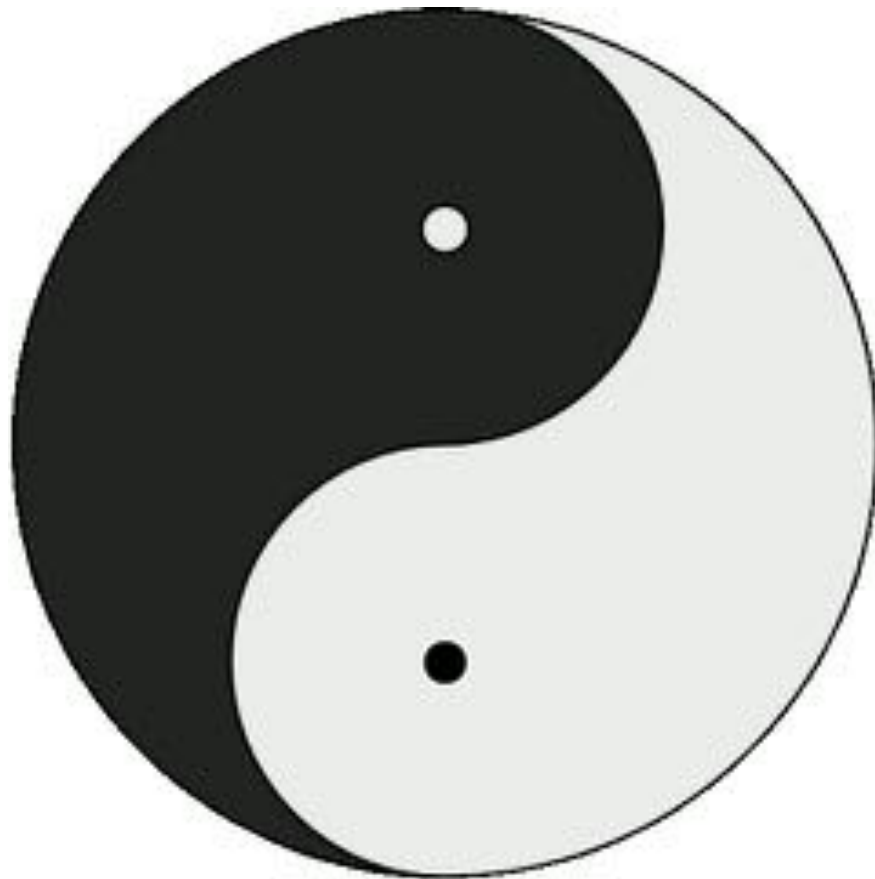


Runs on Virtual Box

Download

Take a tour

Continuous Improvement





Quicken Loans

E*TRADE



EMC²



SONY

ORACLE



BOSE

intuit.
splunk

SPACEX



JUNIPER
NETWORKS



LOCKHEED MARTIN



URBAN SCIENCE

QUALCOMM



NORTHROP GRUMMAN

Raytheon



HYUNDAI

Electric Cloud

10K+

Releases/year



1M+

System
Integrations/year

100K

Builds/day

30M

Lines of Code



100M

Test cases run/day



480K

Code reviews/year



HUAWEI

76%

**Cycle Time
Reduction**



A close-up photograph of a Zen garden. In the foreground, three smooth, dark, rounded stones are stacked vertically. Behind them, concentric ripples are drawn in the dark, fine-grained sand. The lighting is soft, creating subtle highlights on the stones and sand.

Thank You

 Electric Cloud