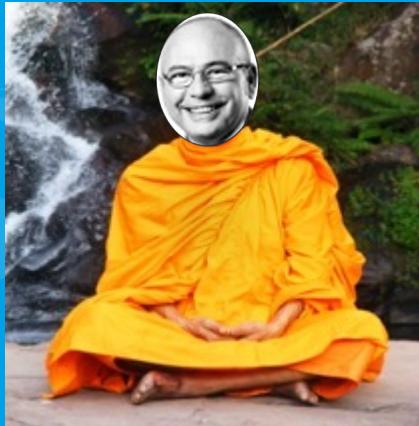
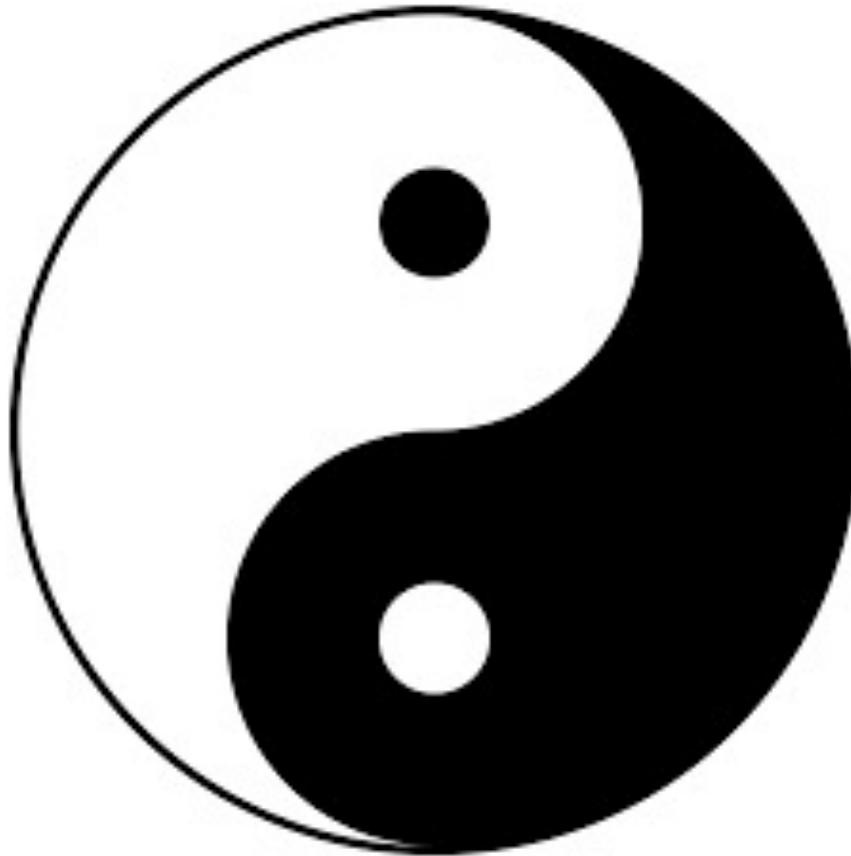


# The Yin & Yang of DevOps Transformation

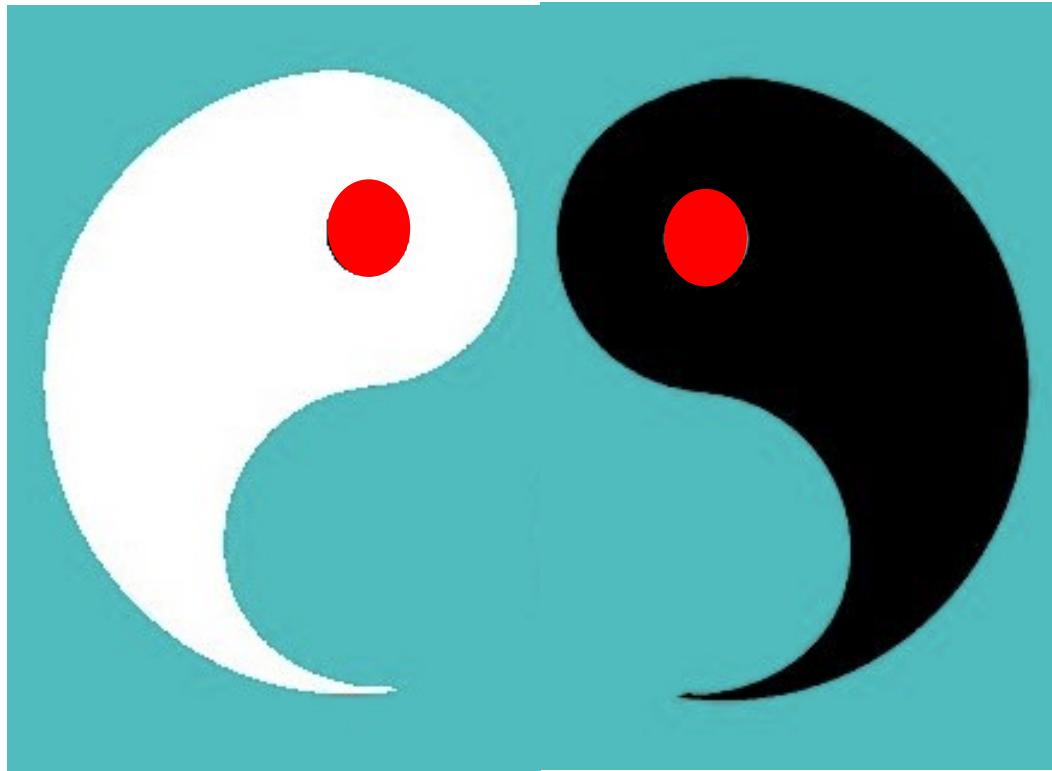


Steve Brodie  
CEO, Electric Cloud

# Ying and Yang



# Dev and Ops - Opposing or Complementary





# DevOps Harmony



# DevOps Harmony



## 1. Systems Thinking

- Holistic vs. Silos
- Organic Fit

## 2. Feedback Loops

- Interdependent
- Mutual Feeds

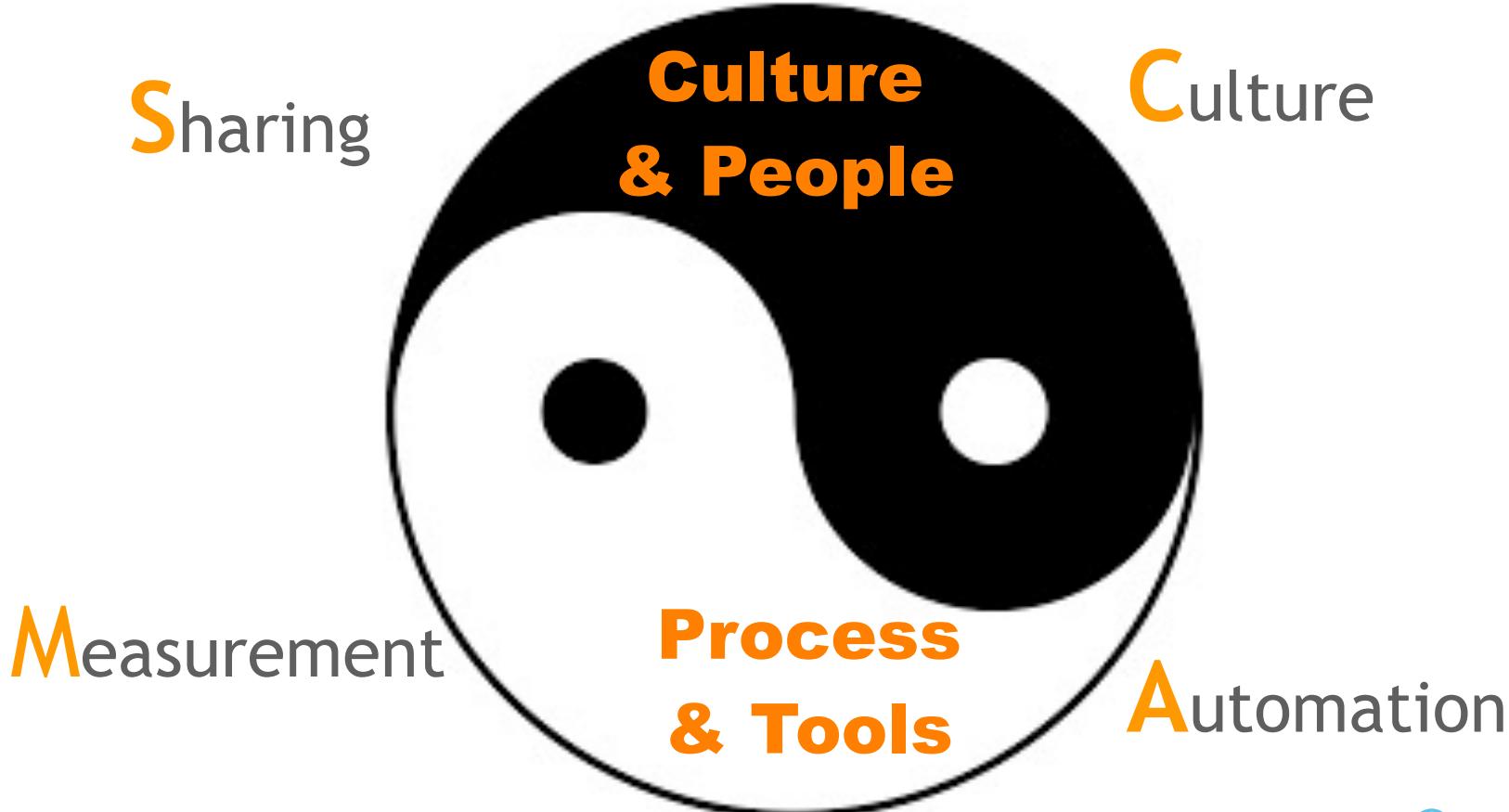
## 3. Continuous Learning

- Conveys Rotation

## 4. Shared Mindset

- Opposing Color Dots







# Cross-Functional Teams

# Shared Mission, Values, Objectives

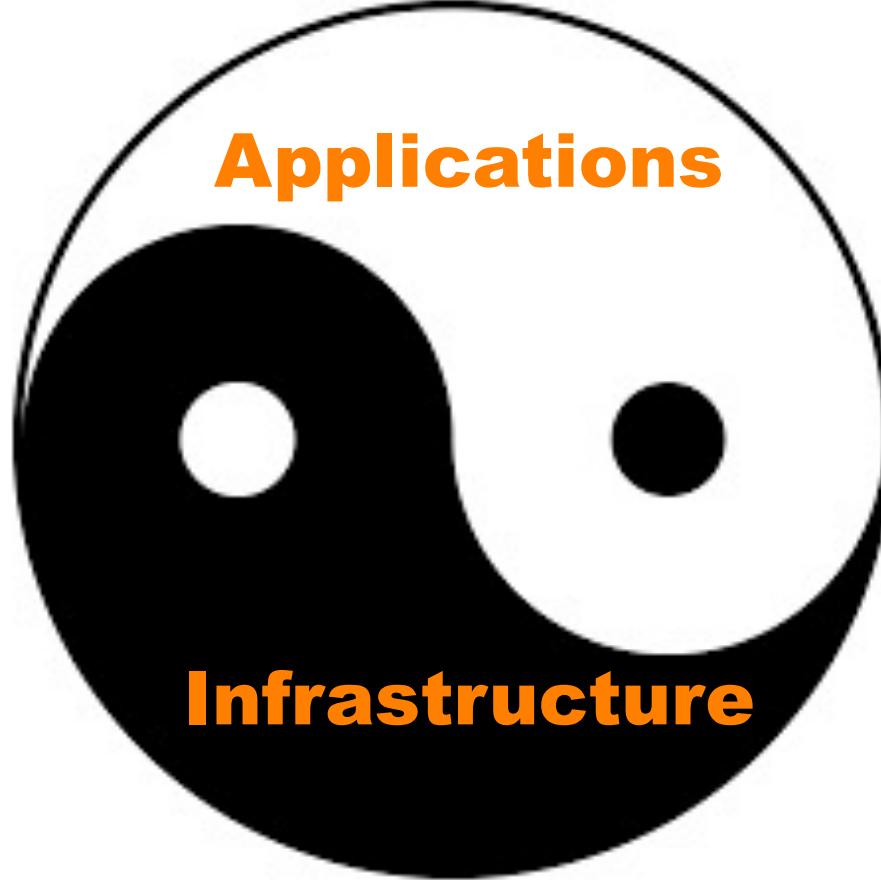


# Mission & Way

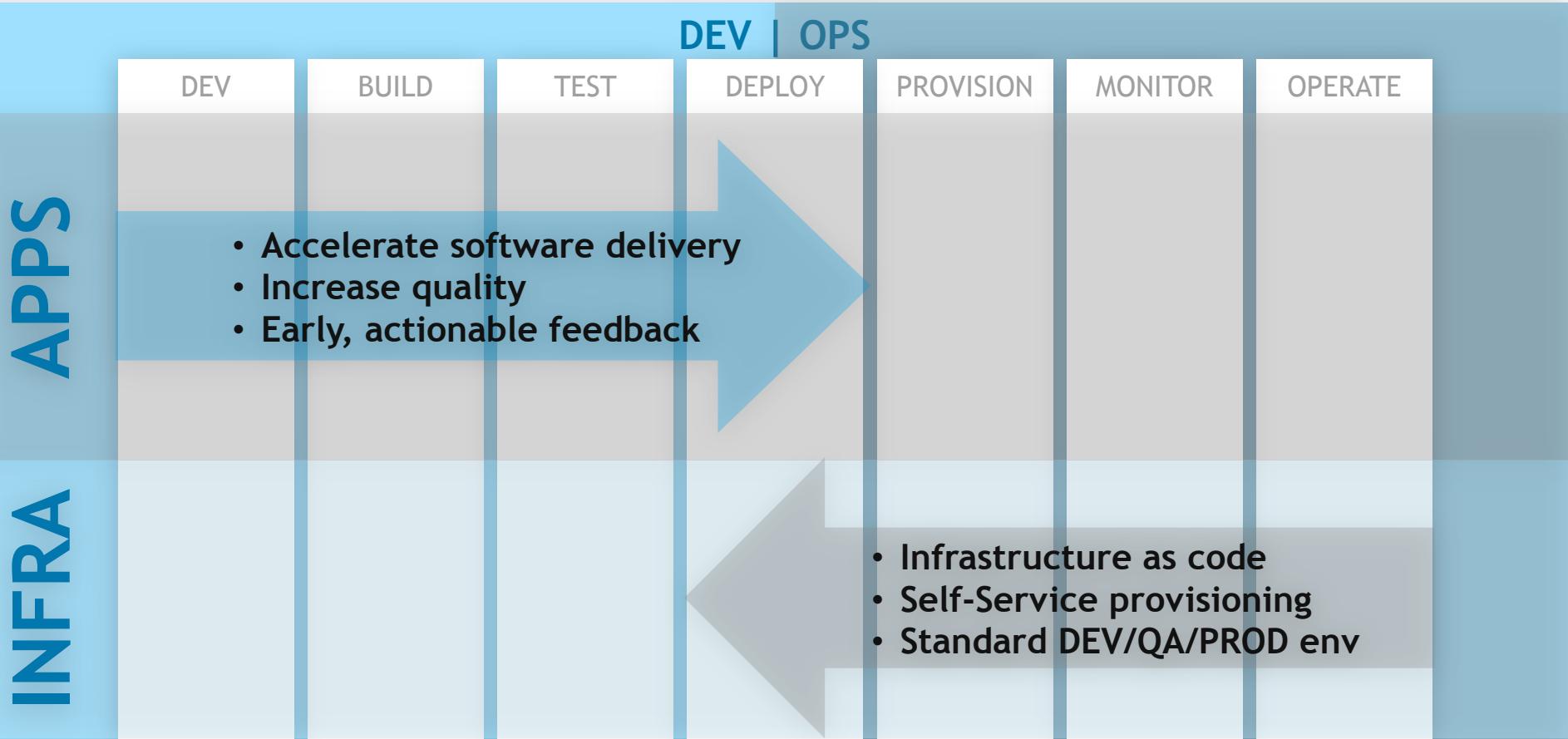
We help the world deliver better software faster.



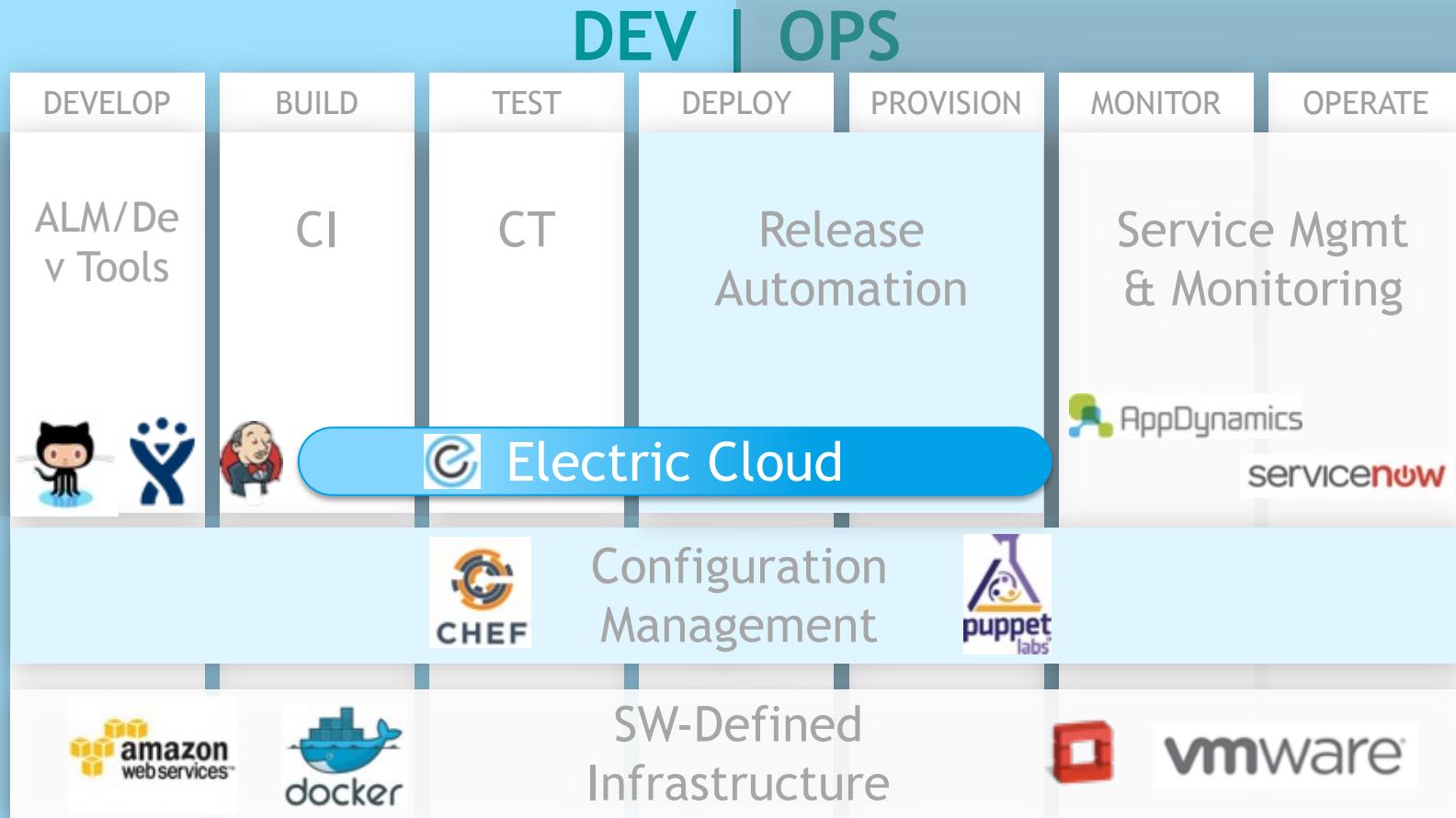
# Automation



# DevOps & Continuous Delivery - Drivers & Enablers



# DevOps Tool Landscape

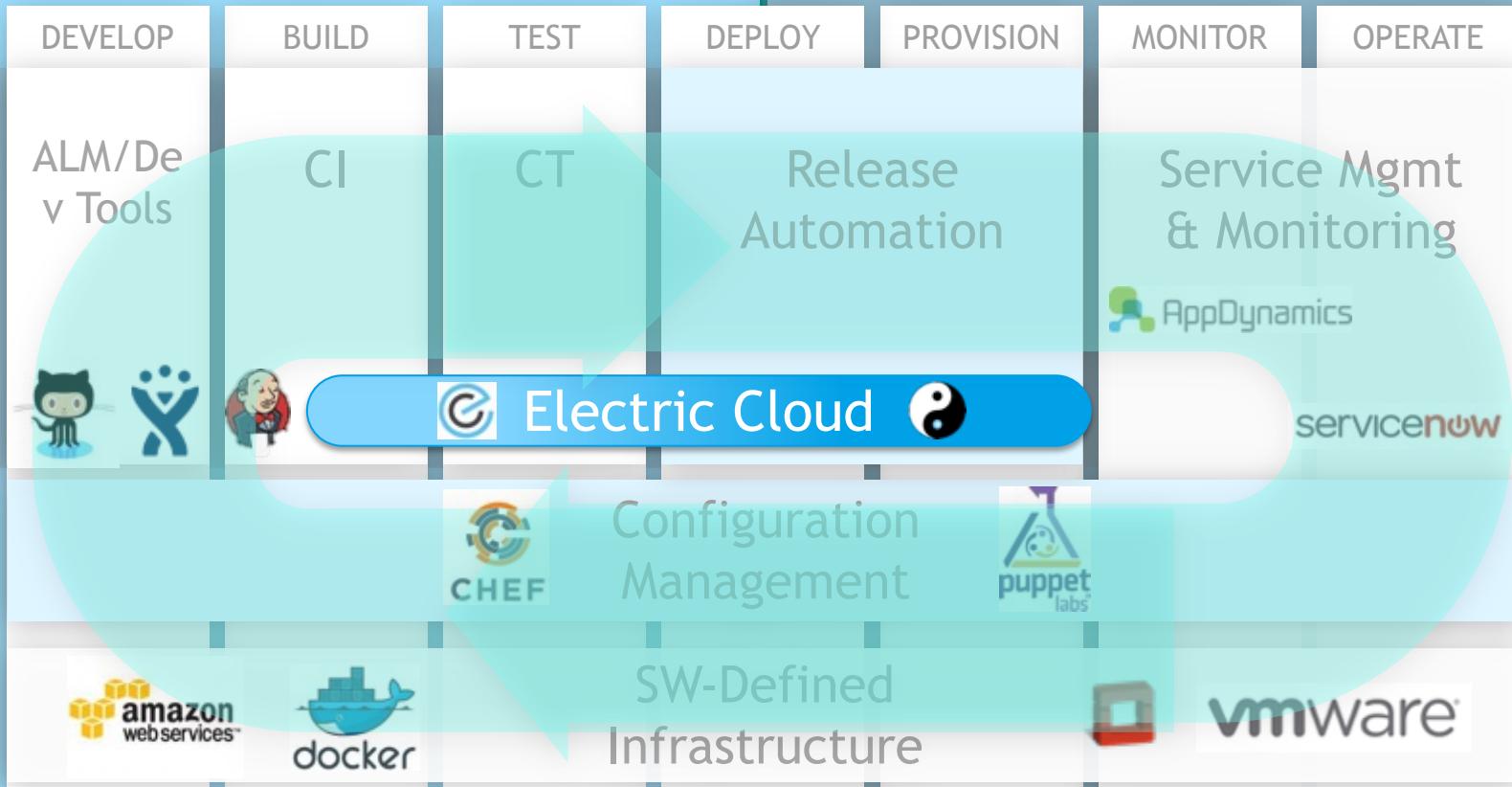


# Orchestrating the DevOps Lifecycle

## DEV | OPS

APPS

INFRA

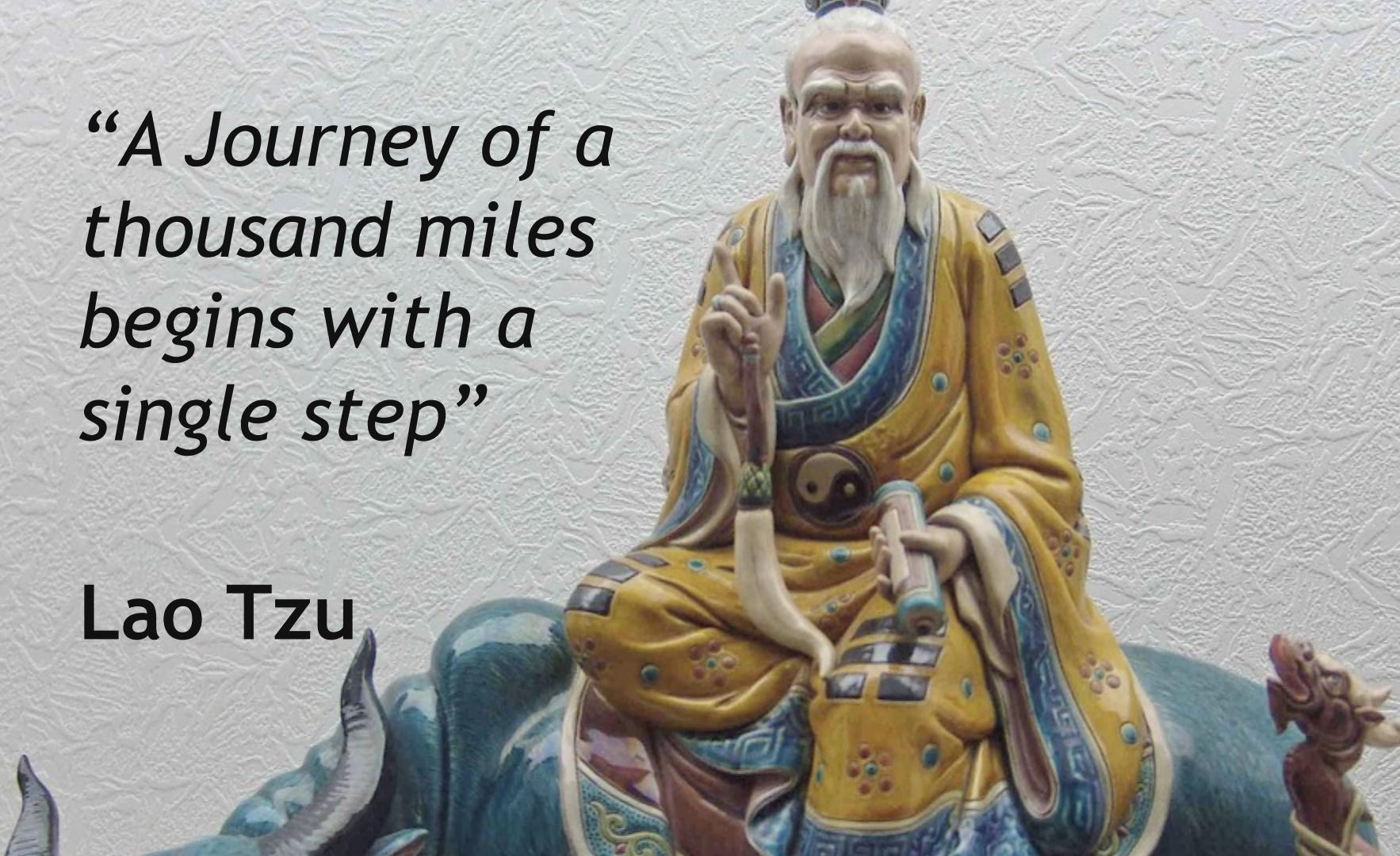




# Where do I Start?

*“A Journey of a  
thousand miles  
begins with a  
single step”*

Lao Tzu

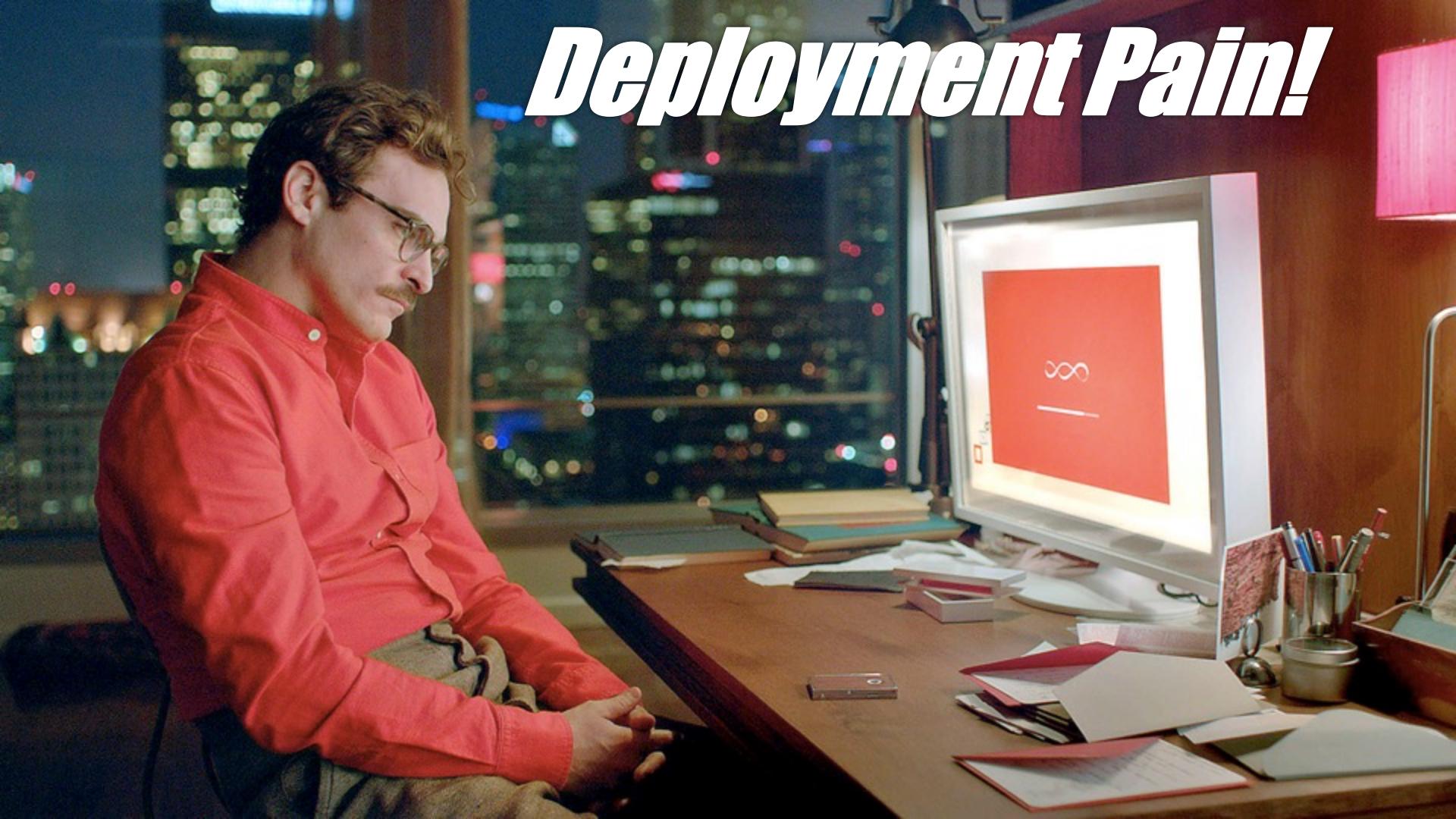




*“New beginnings are  
often disguised as  
painful endings”*

Lao Tzu

# *Deployment Pain!*



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

*Puppet Labs, 2015 State of DevOps Report*

# Application Release Automation Trends Survey

## Survey Participants

- 101 Respondents: 8% CxO, 12% VPs, 55% Directors, 25% Managers.
- 54% Fortune 1000, > \$1.5B revenue, 18% \$500 - \$1.5B, 26% < \$500

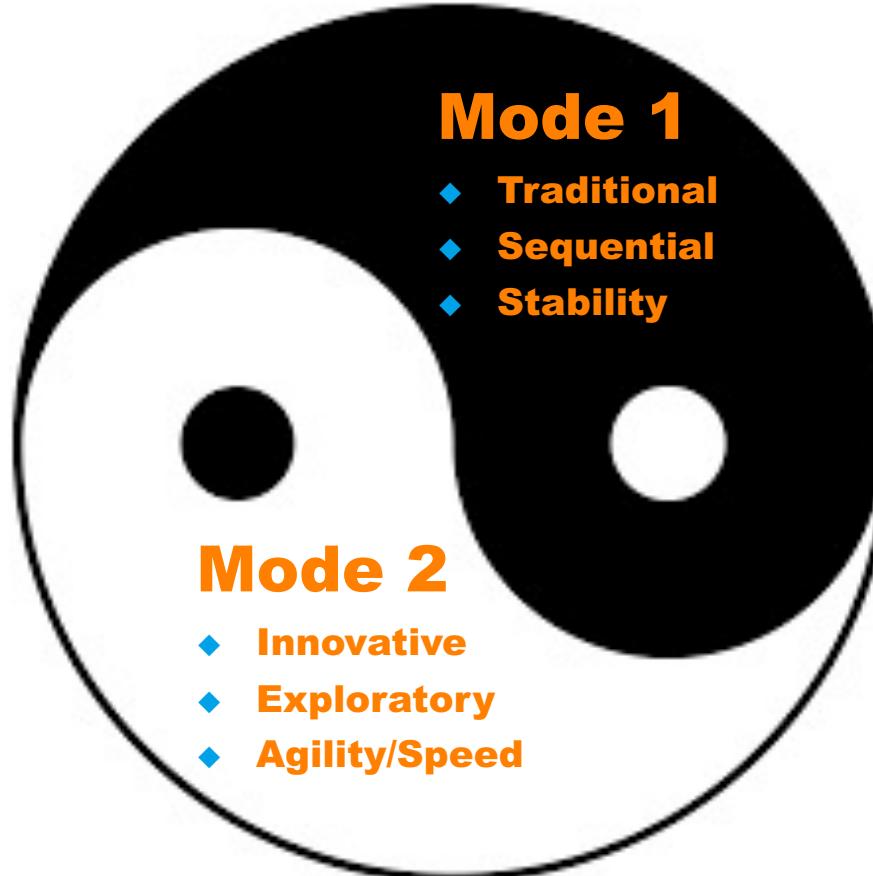
## Survey Finding

- 77% have production release problems occasionally or frequently
- 39% miss release deadlines occasionally or frequently
- 54% do not use consistent deployment process across dev/test/production
- 34% say stabilizing releases takes days, weeks or even months

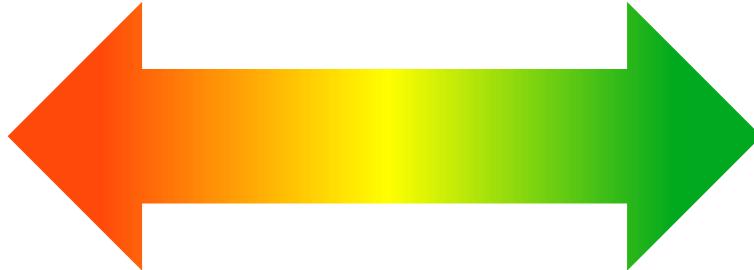
## Application Release Automation - Good Starting Point

- Automate application release/deployment
- Treat infrastructure as code
- Version control all artifacts.
- Automate testing
- Common deploy mechanism across environments

# Bi-Modal IT



# Traditional Release Management



- “*Big Bang*” release plans
- Complex app dependencies
- Enterprise release calendar
- Risk & Impact analysis
- Multiple environments
- Resource reservations
- Release plan approvals

# Continuous Delivery Pipelines

- Frequent, small batches
- Automated everything
- Dynamic environments
- Loosely coupled components
- Containers, micro-services
- “12-factor” Apps







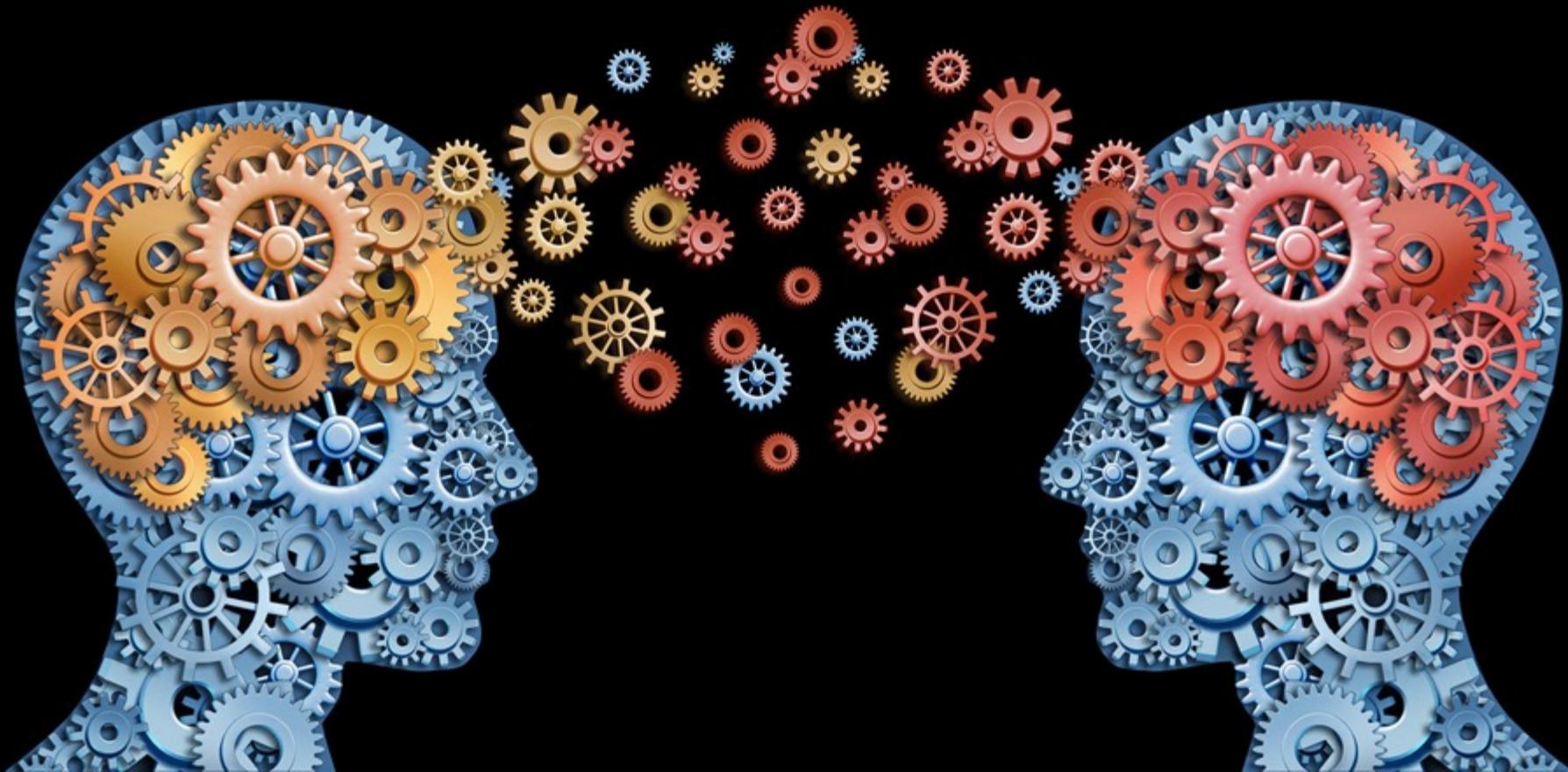
# DEVOPS ENTERPRISE SUMMIT 2015



#DOES15

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 Electric Cloud **IT REVOLUTION**



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 Hangout!)

### Featured Panelists:



Bernd Zuther

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

@Bernd\_Z | [blog.codecentric.de/author/bernd-zuther/](http://blog.codecentric.de/author/bernd-zuther/)



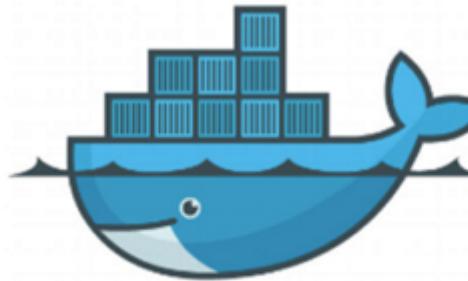
Kevin Fishner

Director of Sales & Marketing at HashiCorp.  
@kfishner | [hashicorp.com/blog](http://hashicorp.com/blog)



Nikhil Vaze

Senior Software Engineer on the Electric Cloud



### What is Continuous Discussions? (#c9d9)

WHAT DO WE WANT?



WHEN DO WE WANT IT?



TO DELIVER BETTER SOFTWARE!

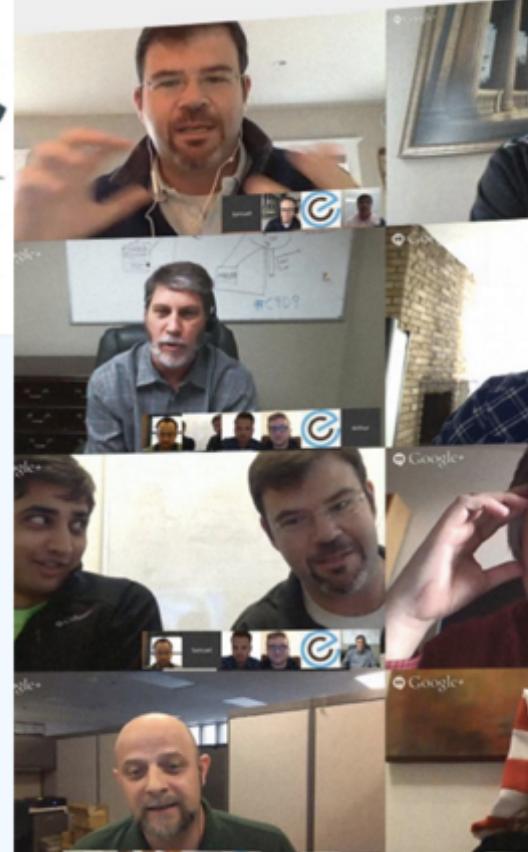


CONTINUOUSLY!!!



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
- Chime in to share your thoughts on the



# ElectricFlow Community Edition

Electric Cloud

Q&A

The image shows a man from the side, wearing a blue button-down shirt, looking at a computer monitor. The monitor displays the ElectricFlow Community Edition software interface, which includes multiple windows showing pipeline status, test results, and deployment logs. A large green button at the bottom center of the screen says "Download" with a downward arrow. To the right of the monitor, there's a stack of books titled "LEAN ENTERPRISE" and "blink". On the desk, there's also a blue coffee mug and a keyboard.

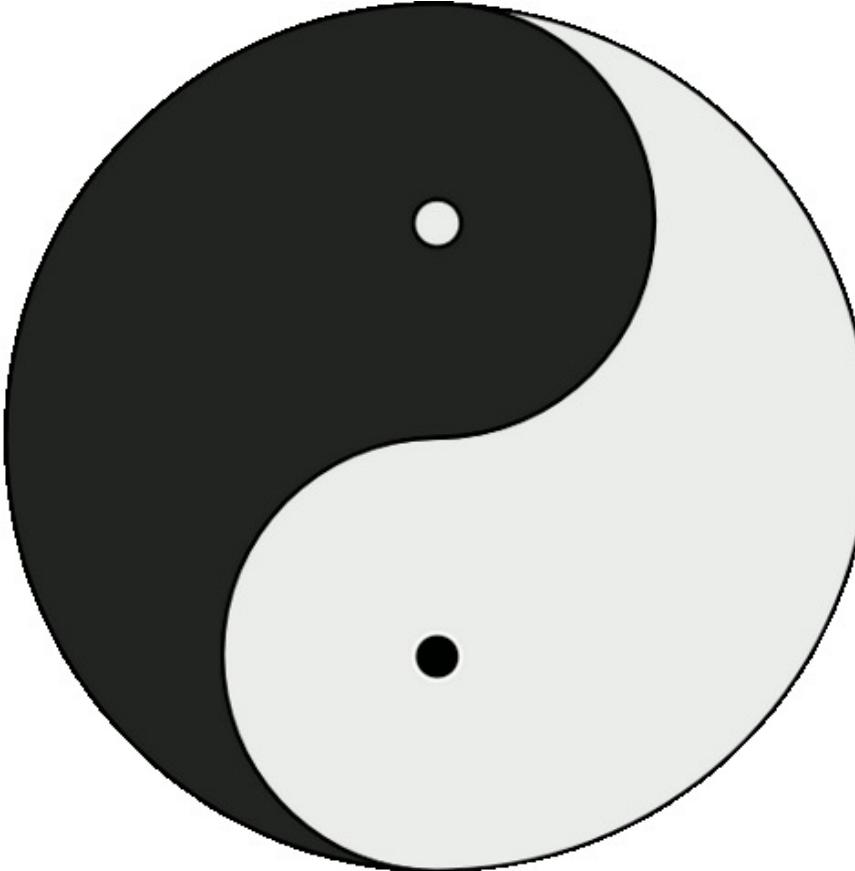
**ElectricFlow**  
Simplify deployments  
and achieve end-to-end  
Continuous Delivery. **FREE!**

Runs on Virtual Box

Download

Take a tour

# Continuous Improvement





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# Thank You



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# BACKUP

# Platform of Choice for Market Leaders

## Web & ISV



## Embedded/IoT



# Wu Wei

A key principle in becoming a master Taoist, is *wu-wei*, sometimes translated as creative inaction. "It literally means getting things done without doing anything," says Smith. But perhaps it's better described as an action that is so well in accordance with things, that there is no evidence of the action. To the Taoist, any *deliberate* intervention in the natural order of things will eventually turn into the opposite of what was intended and result in failure. And that is a common theme in Star Wars, says Smith.

*Wu* may be translated as *not have* or *without*; *Wei* may be translated as *do*, *act*, *serve as*, *govern* or *effort*. The literal meaning of *wu wei* is "without action", "without effort", or "without control", and is often included in the paradox *wei wu wei*: "action without action" or "effortless doing". The practice of *wu wei* and the efficacy of *wei wu wei* are fundamental tenets in [Chinese thought](#) and have been mostly emphasized by the [Taoist school](#). One cannot actively pursue *wu wei*. It manifests as a result of cultivation. The [Tao](#) is a guide.

There is another less commonly referenced sense of *wu wei*; "action that does not involve struggle or excessive effort". In this instance, *wu* means "without" and *Wei* means "effort". The concept of "effortless action" is a part of [Taoist Internal martial arts](#) such as [T'ai chi ch'uan](#), [Baguazhang](#) and [Xing Yi](#). It follows that *wu wei* complies with the distinguishing feature of Taoism, that of being natural.

# Tao

Dao can be roughly thought of as the *flow of the universe*, or as some essence or pattern behind the natural world that keeps the universe balanced and ordered.<sup>[7]</sup> It is related to the idea of [qi](#), the essential energy of action and existence. Dao is a [non-dual](#) concept - it is the greater whole from which all the individual elements of the universe derive. Keller considers it similar to the [negative theology](#) of Western scholars,<sup>[8]</sup> but Dao is rarely an object of direct worship, being treated more like the [Hindu](#) concepts of [karma](#) or [dharma](#) than as a divine object.<sup>[9]</sup> Dao is more commonly expressed in the relationship between [wu](#) (void or emptiness, in the sense of [wuji](#)) and [yinyang](#) (the natural dynamic balance between opposites), leading to its central principle of [wu wei](#) (non-action, or action without force).

# DevOps Fitness Model

