

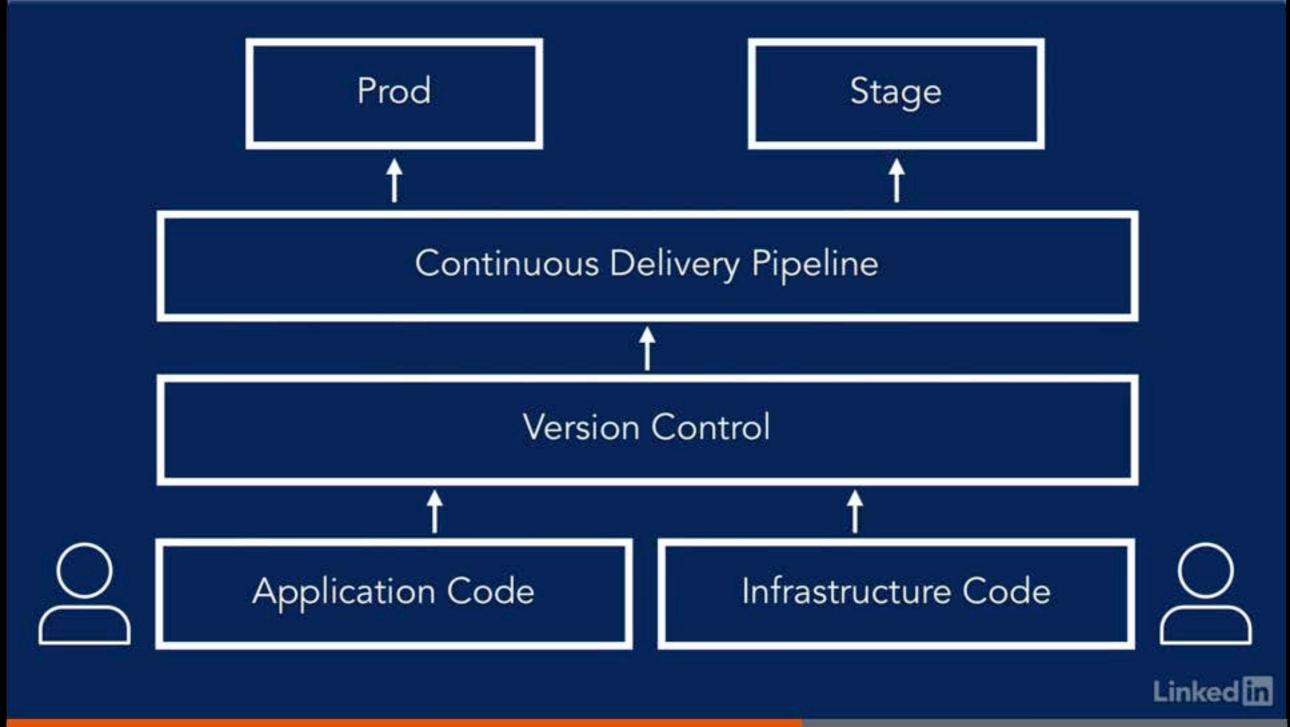
Use

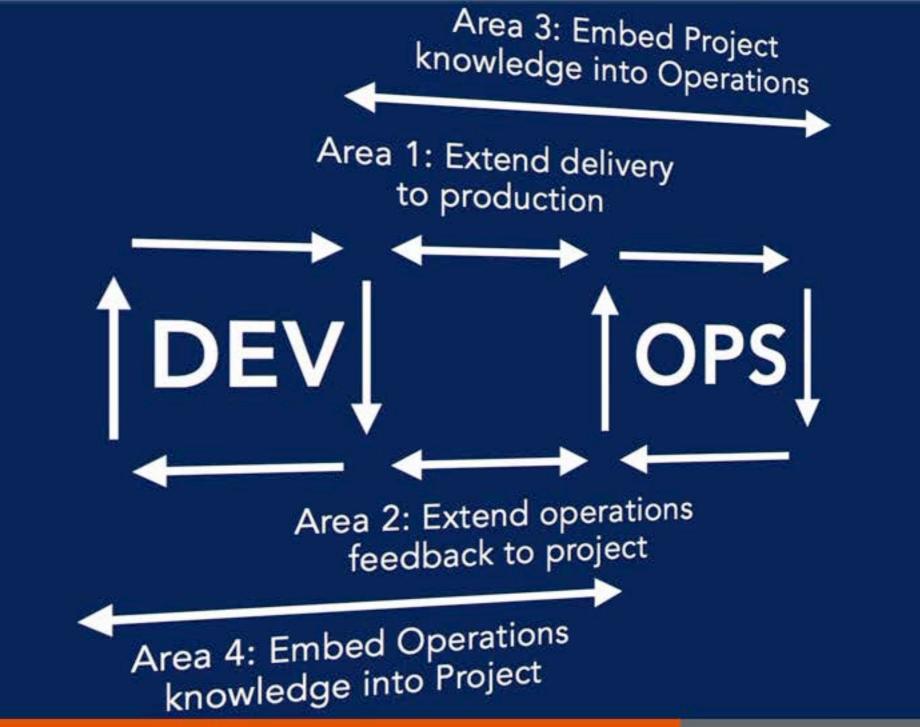
To create team processes

To create team standards

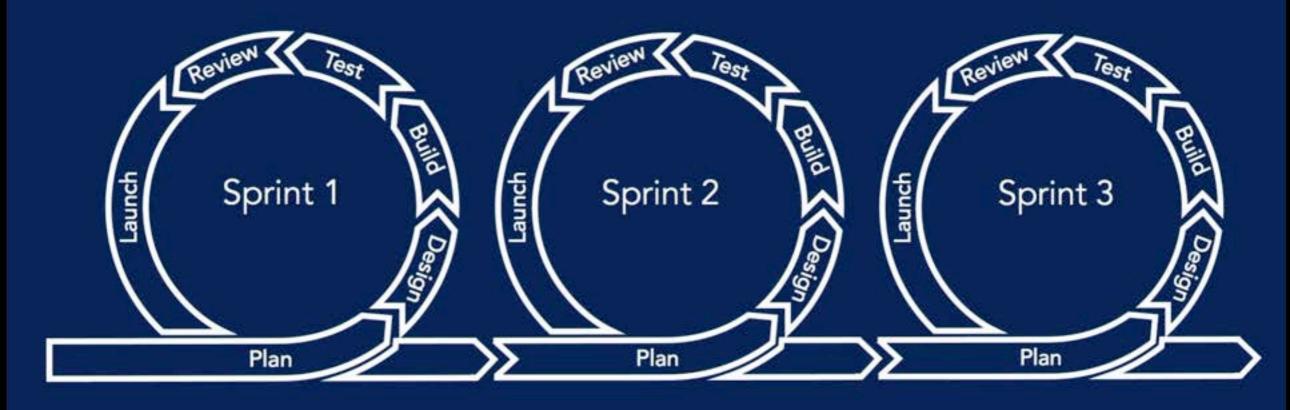
As part of management style







Linked in













Icinga is a resilient, open source monitoring and metric solution. Lay a monitoring foundation based on our new object-based, rule-driven configuration format with unseen flexibility and performance.

Learn More ...

Extend to your needs

Even Icinga Web 2 provides everything you need to start your infrastructure monitoring there



Discover your IT

Icinga Web 2 is built on a solid foundation and provides everything you need for a great monitoring interface. Interact with services, discover metrics, or report your availability is just a click away.

Learn More ...



Join a community

Icinga is not just software, it's a whole community of users and developers who do monitoring





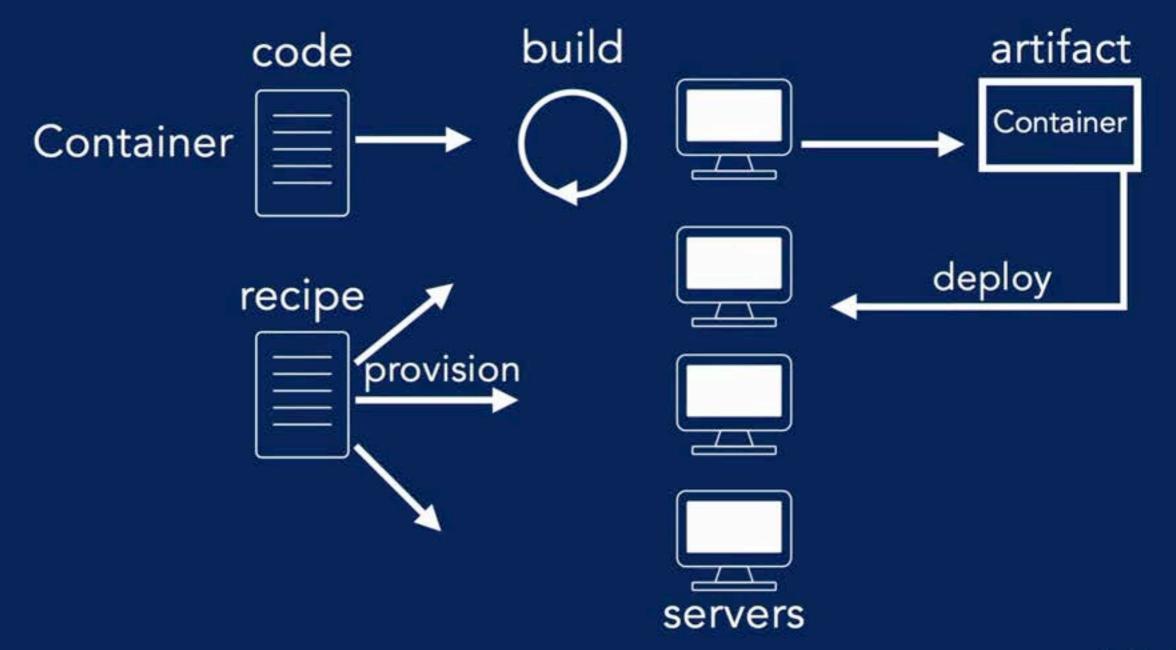


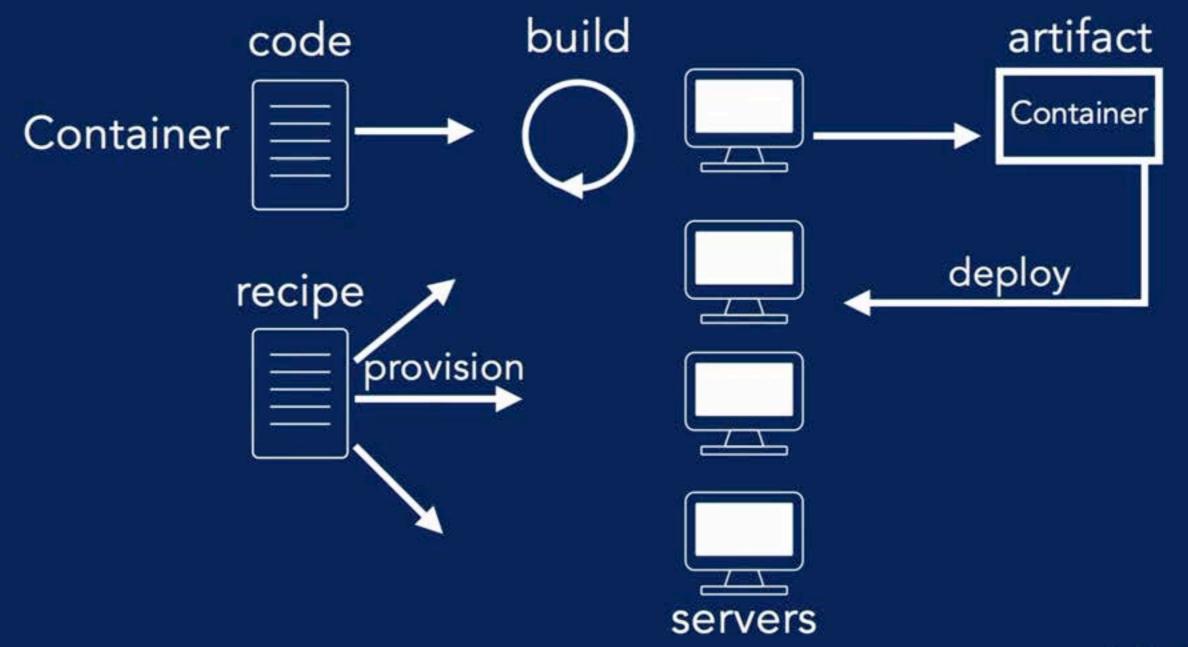
Monitoring that doesn't suck.

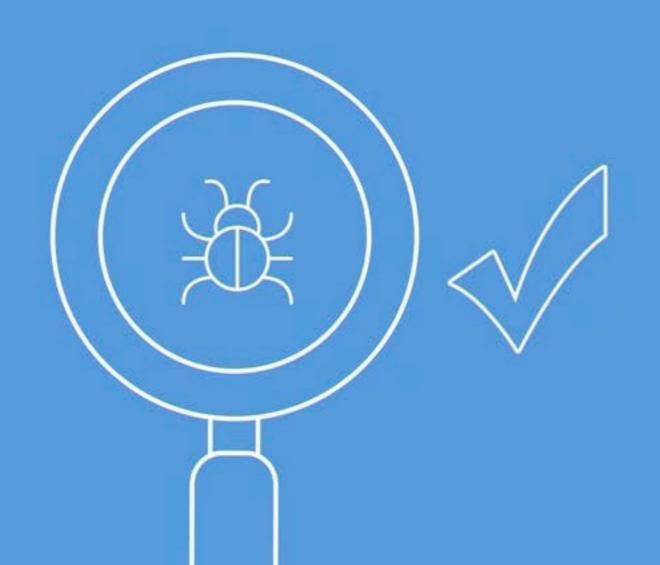
Monitor servers, services, application health, and business KPIs. Collect and analyze custom metrics. Get notified about failures before your users do. Give your business the competitive advantage it deserves.

Get Enterprise







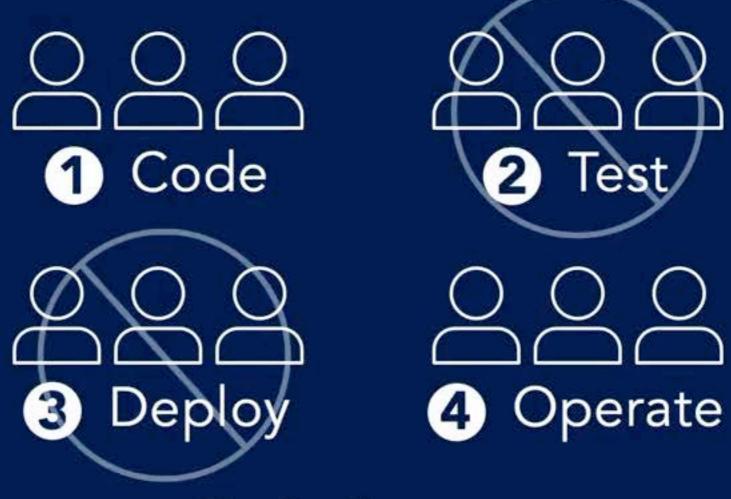


Dev Ops Fundamentals

DevOps

The practice of operations and development engineers participating together in the entire service lifecycle, from design through the development process to production support

https://theagileadmin.com/what-is-devops



Strikeout

The Five Levels of DevOps

- Values
- 2 Principles
- Methods
- 4 Practices
- **5** Tools



- High-performing IT organizations deploy more frequently, fail less, and recover faster.
- Lean management and continuous delivery practices help deliver value faster.
- High performance is achievable whether your apps are greenfield, brownfield, or legacy.

https://puppet.com/resources/white-paper/2015-state-devops-report







DevOps Core Values: CAMS

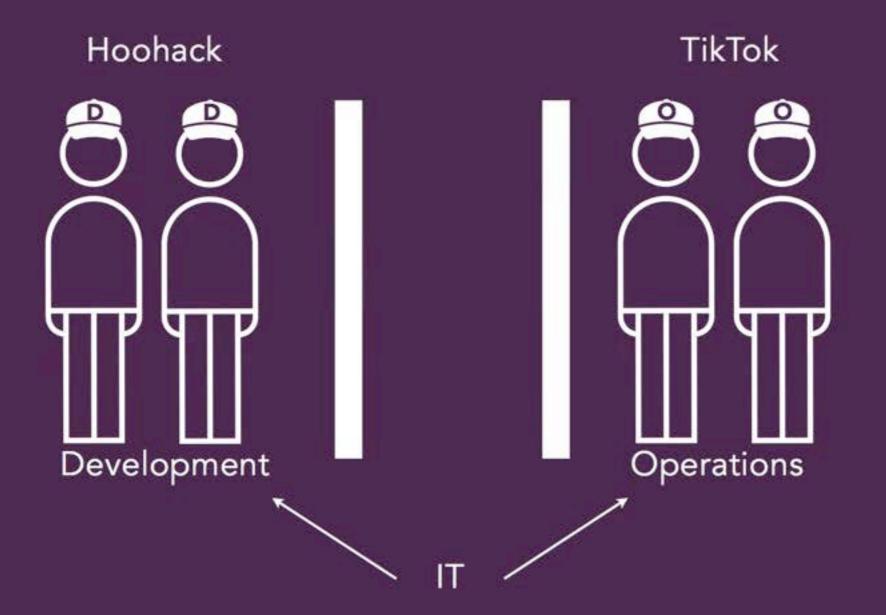
- 1 Culture
- 2 Automation
- 3 Measurement
- 4 Sharing

https://goo.gl/iDhWiD

"That the word DevOps gets reduced to technology is a manifestation of how badly we need a cultural shift."

—Patrick DeBois

http://itrevolution.com/devops-culture-part-1





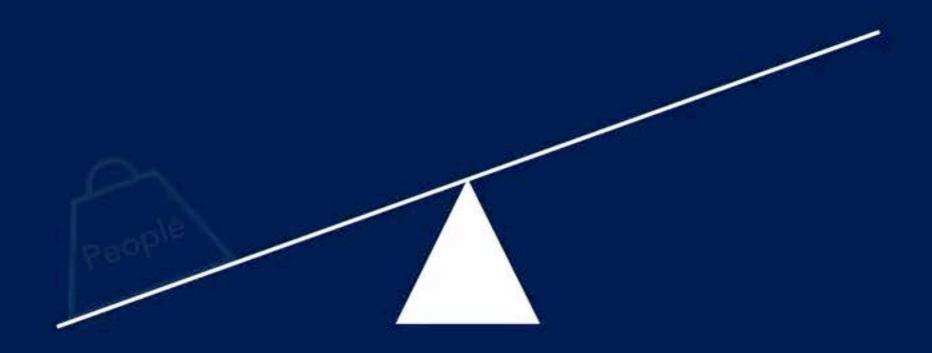
Automation

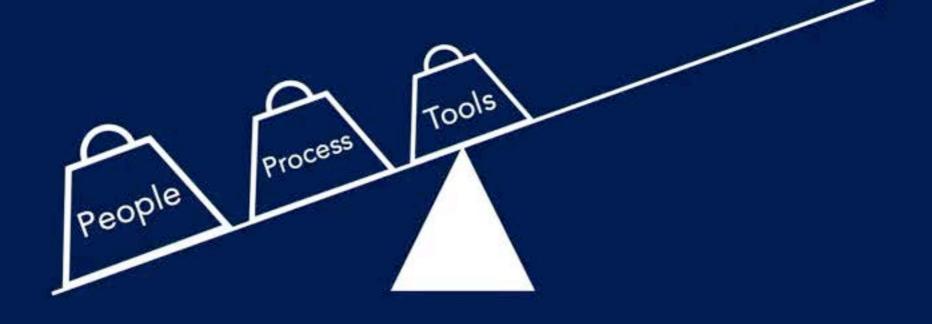












http://dev2ops.org/2010/02/people-over-process-over-tools

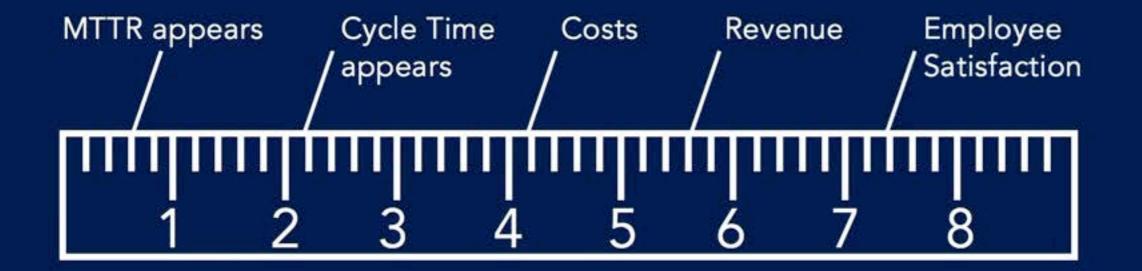




Measurement









Sharing



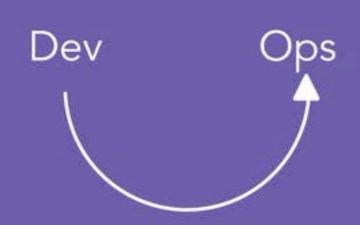


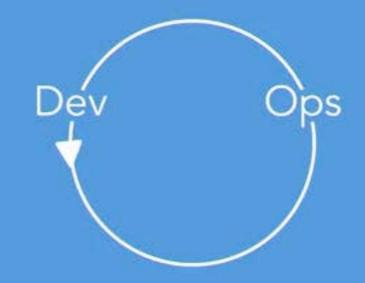
Kaizen

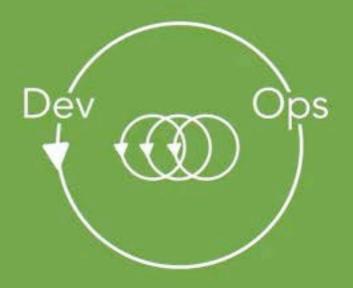
Discrete continuous improvement

- 1 Culture
- 2 Automation
- 3 Measurement
- 4 Sharing

Dev Ops Fundamentals







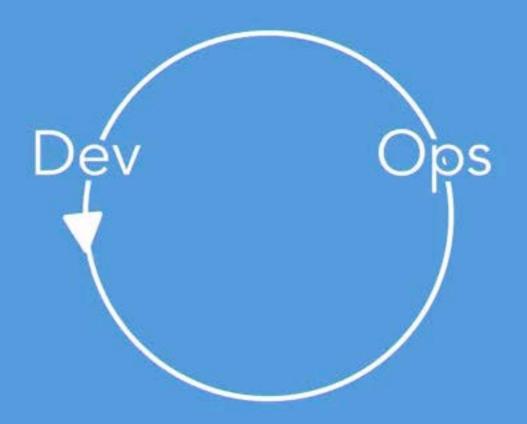


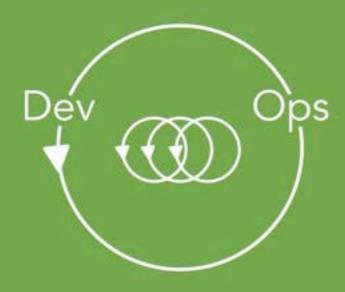


Concept to Cash









Use

To create team processes

To create team standards

As part of management style



First Methodology

People
----Process

http://dev2ops.org/2010/02/people-over-process-over-tools



Second Methodology

Continuous Delivery

Development Testing

release

release

release



Third Methodology

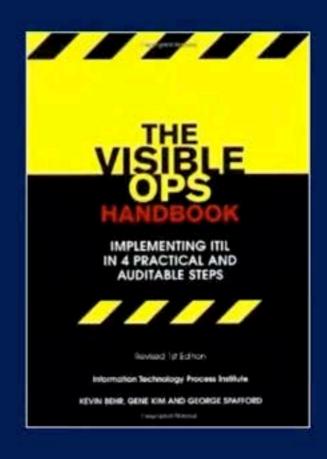
Lean Management

Work in small batches

Work in progress limits

Feedback loops

Visualization





Fourth Methodology Change Control

Eliminate fragile artifacts

Create a repeatable build process

Manage dependencies

Create an environment of continuous improvement



Fifth Methodology Infrastructure as Code

Systems treated like code

Checked into source control

Reviewed, built, and tested

Managed programmatically



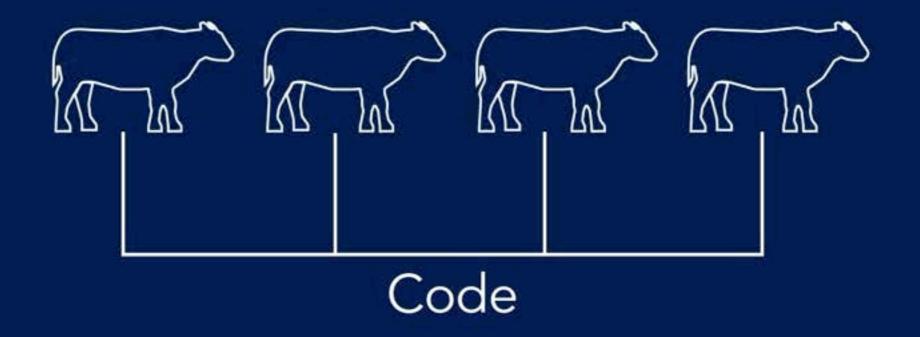
Fifth Methodology

System System System System

Code

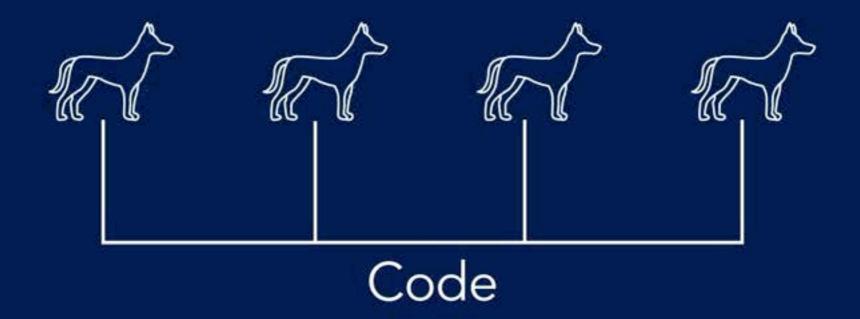


Fifth Methodology





Fifth Methodology





- People over process over tools
- 2 Continuous delivery
- 3 Lean management
- 4 Visible ops change control
- 5 Infrastructure as code



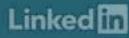
Dev Ops Fundamentals



10 Practices for DevOps Success

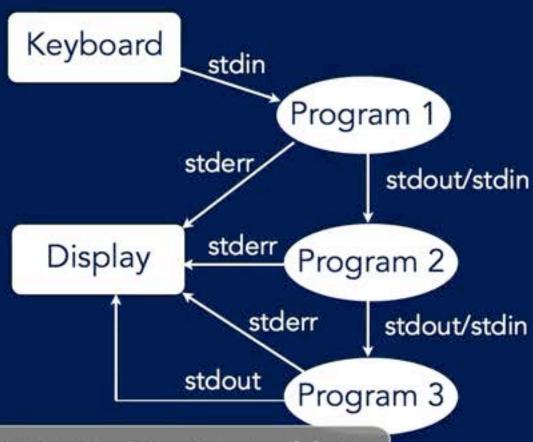


- Chaos Monkey
- 2 Blue/Green Deployment
- 3 Dependency Injection
- 4 Andon Cords
- 5 The Cloud
- 6 Embedded Teams
- 7 Blameless Postmortems
- 8 Public Status Page
- 9 Developers on Call
- 10 Incident Command System



DevOps Tools: The Cart or the Horse?

Weblogic Gradle Maven Fai **Jenkins** Solano Chef RabbitMQ memcache Ant Capistrano Cobbler Solaris Containers Windows Docker **Ansible** Linux nginx IIS **JBoss** Unix Mac OS X **Amazon Web Services** Tomcat **Apache** Cloud Foundry **OpenStack** Rackspace **CFEngine Jetty VMware** Azure Xen **OpenStack** ActiveMQ Glassfish VirtualBox Vagrant **KVM** varnish SaltStack LXC squid **Kickstart RANCID** Puppet / MCollective Ubuntu Juju Websphere



https://en.wikipedia.org/wiki/DevOps#DevOps_toolchain



Tool Criteria

- 1 Programmable
- 2 Verifiable
- 3 Well behaved