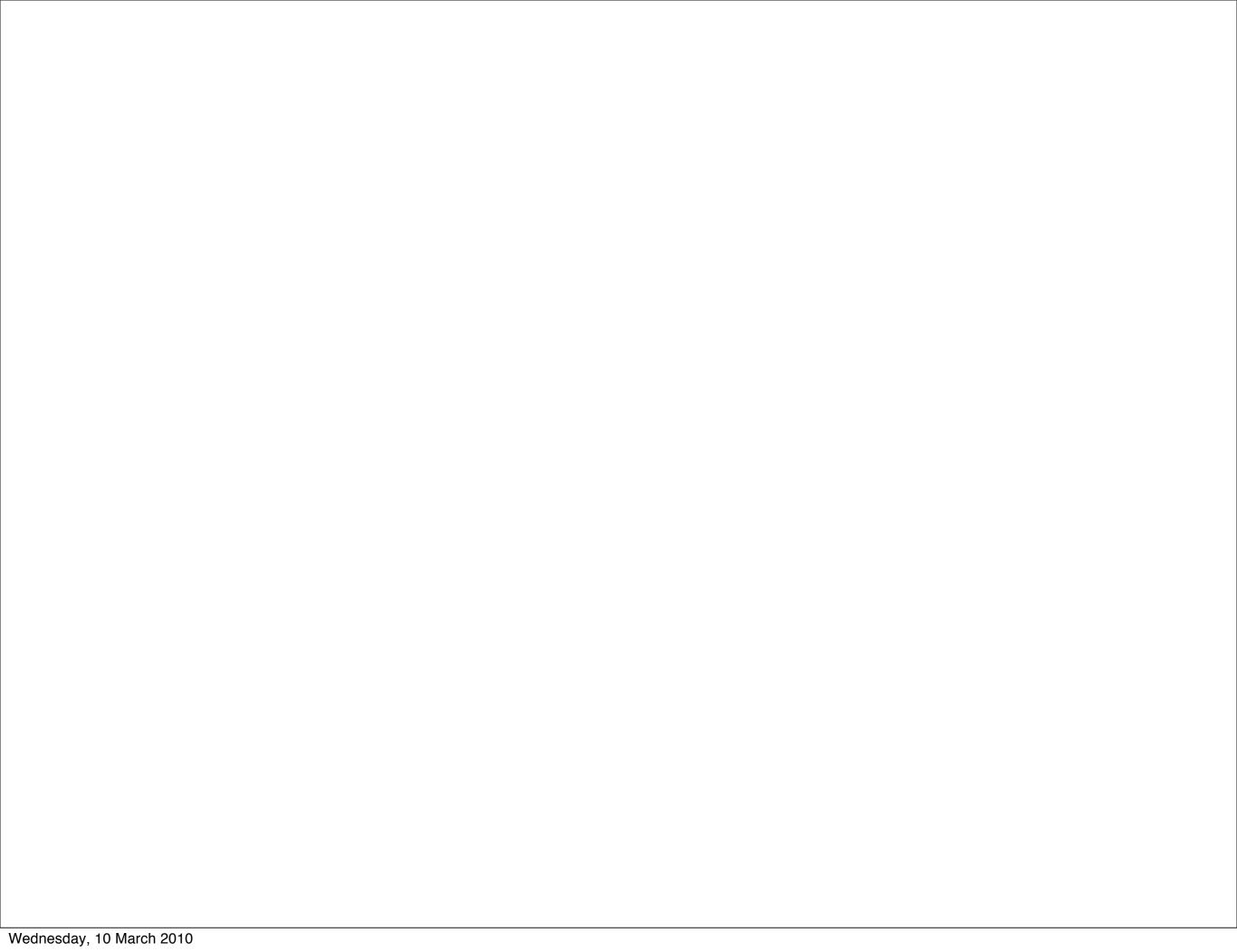
From Dev To Production

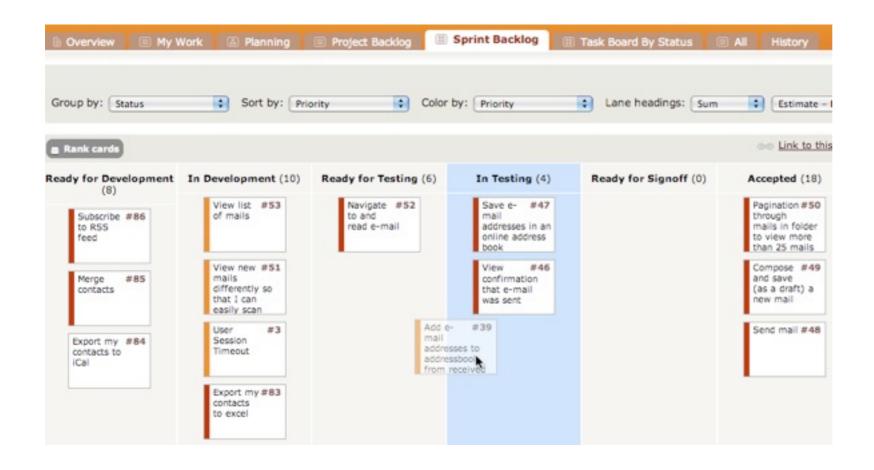
Sam Newman QCon London 2010

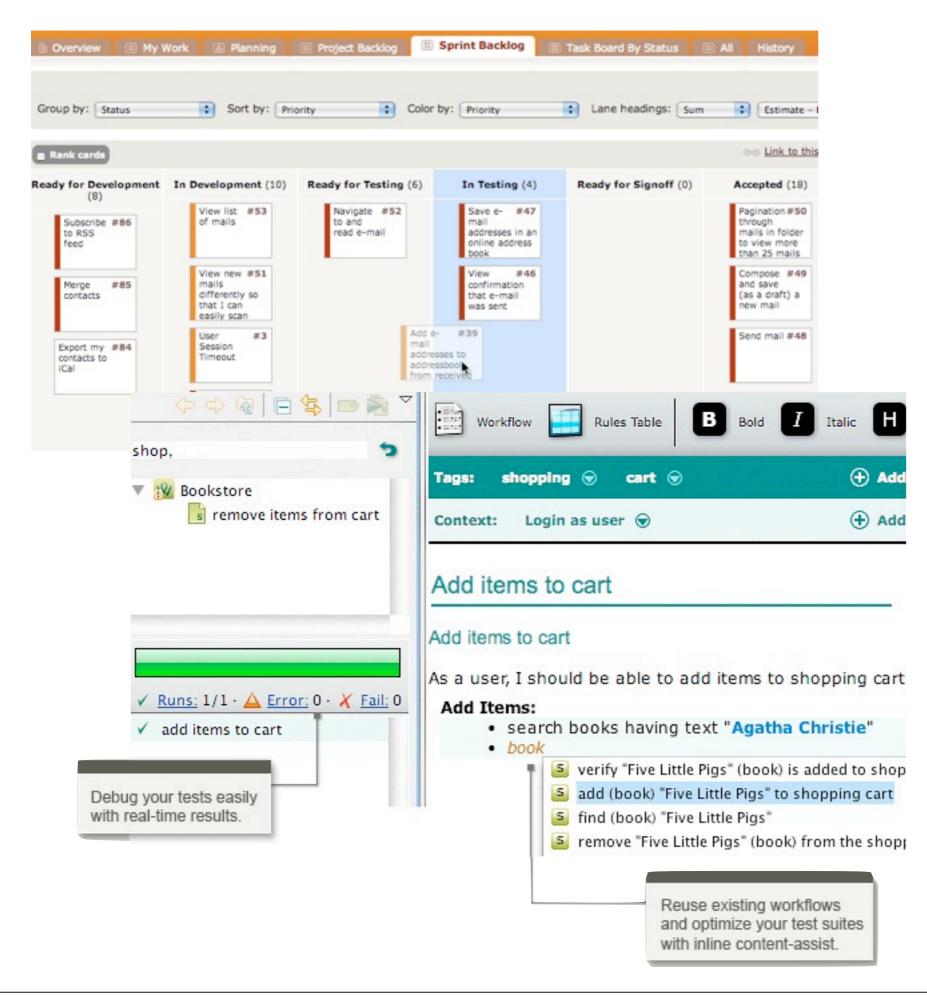
ThoughtWorks®

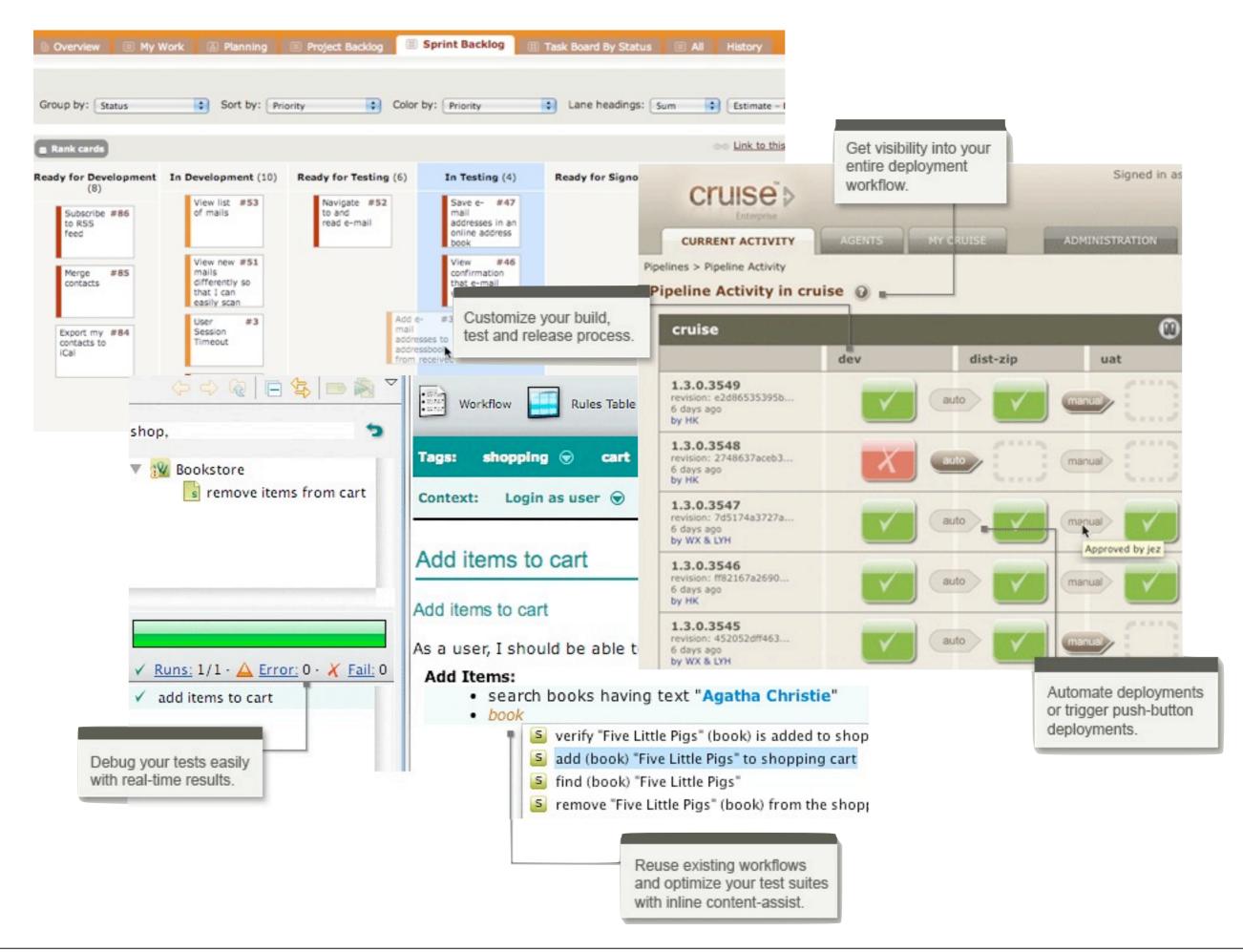












Development Workstation

Production

Development Workstation

Production

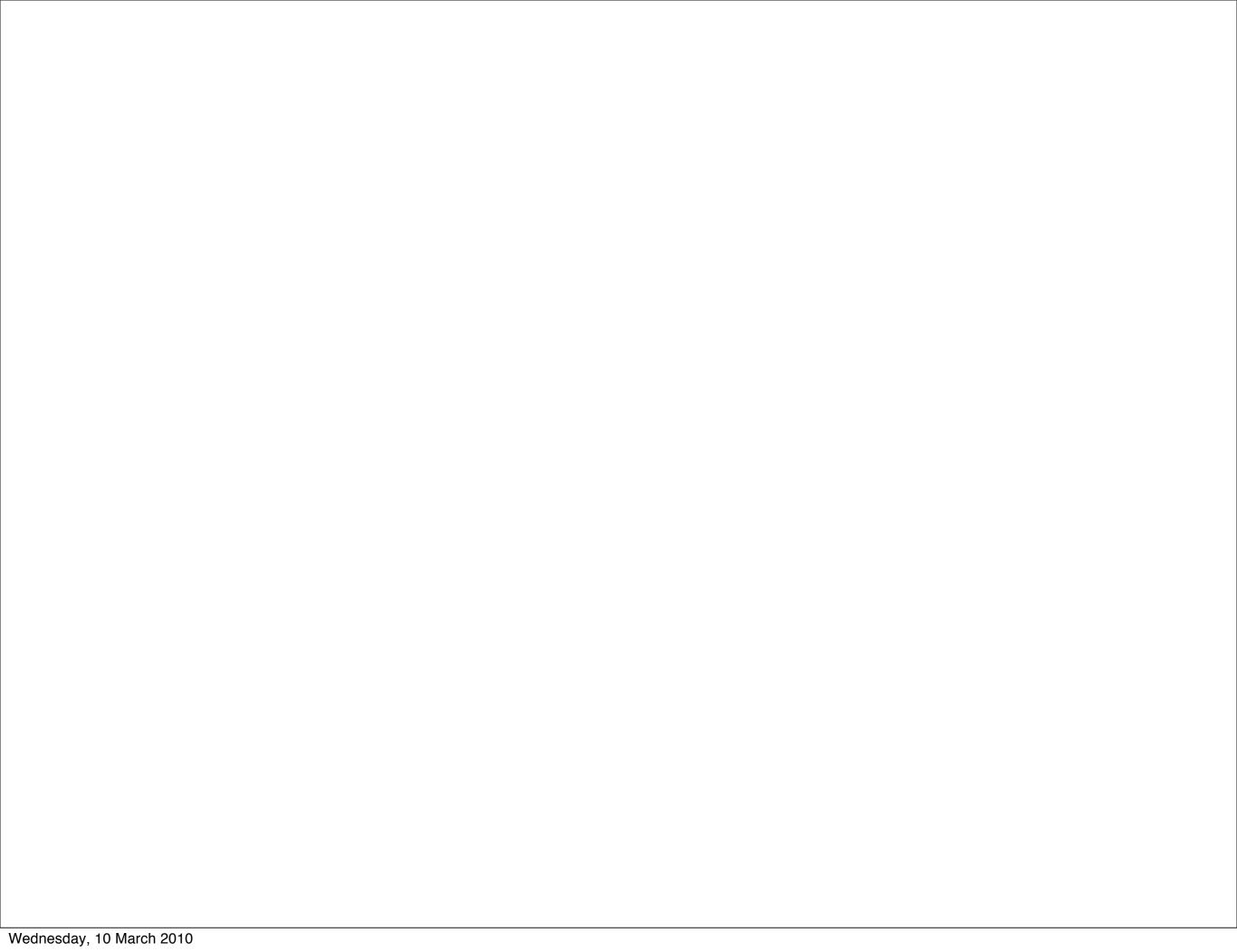


Development Workstation



Production







Building

Configuration

Building

Configuration

Automated Testing

Building

Configuration

Monitoring Automated Testing

Building

Configuration

Logging

Monitoring Automated Testing

Building

Configuration

Logging

Monitoring Automated Testing

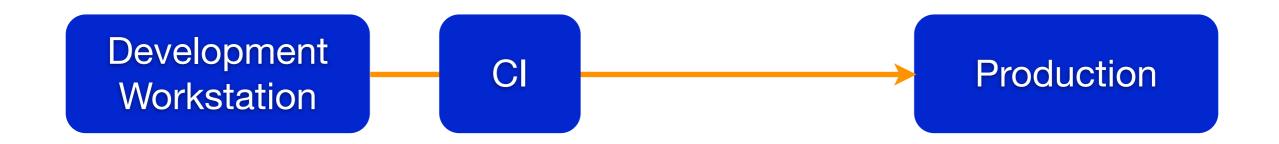
Disasters!

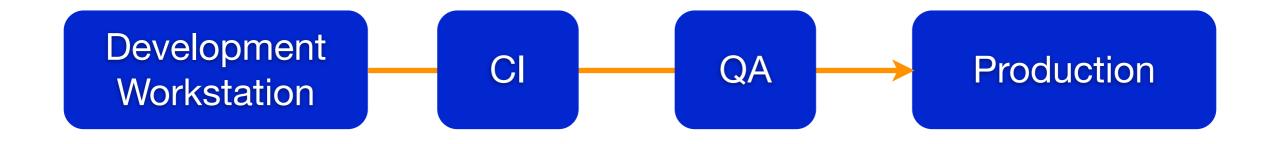
Building

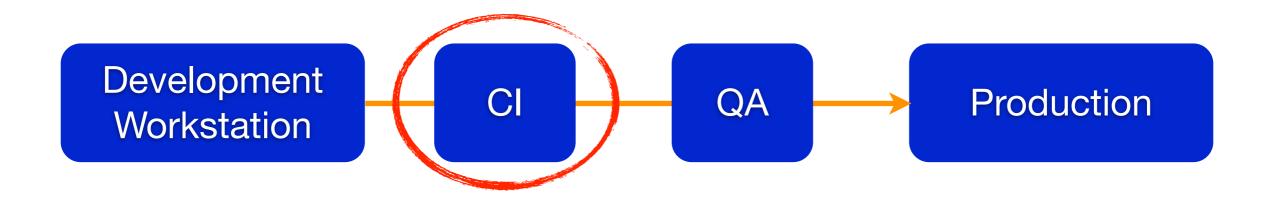
Configuration

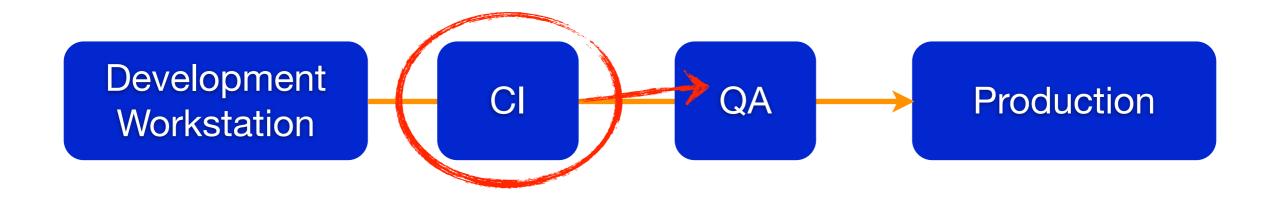
1. Building

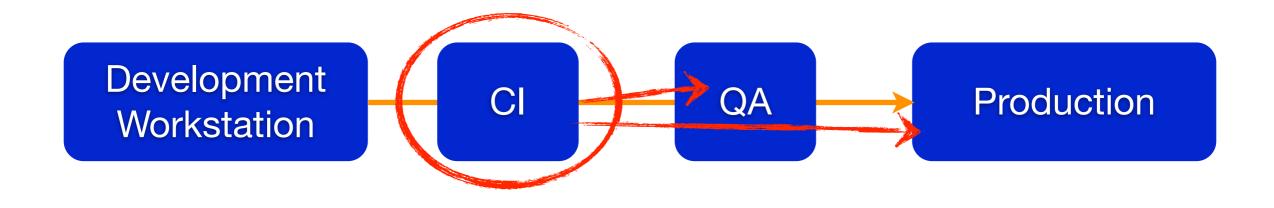


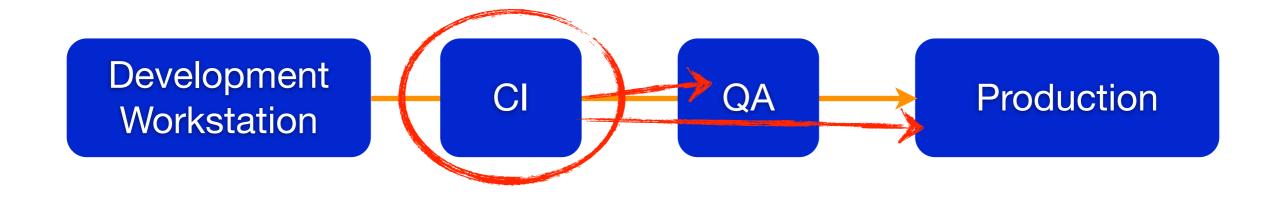




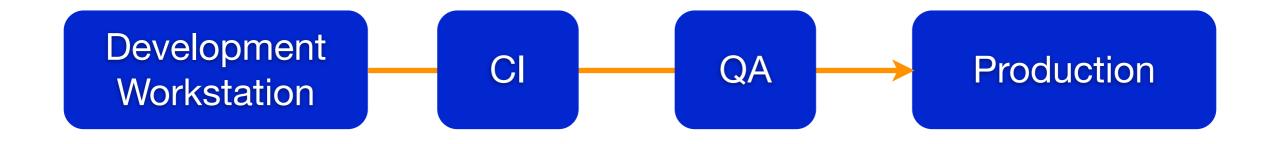


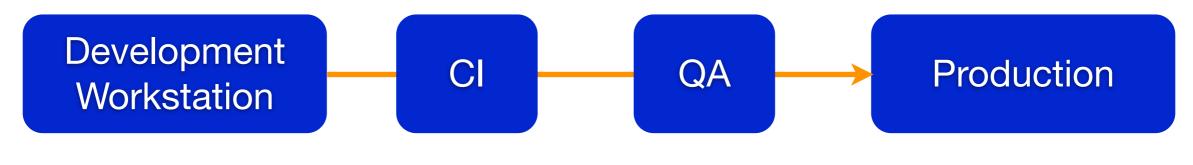




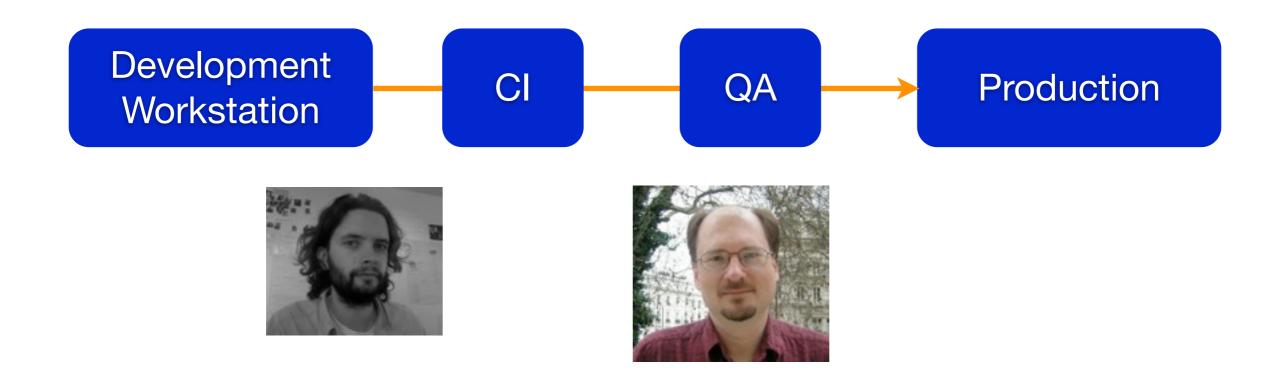


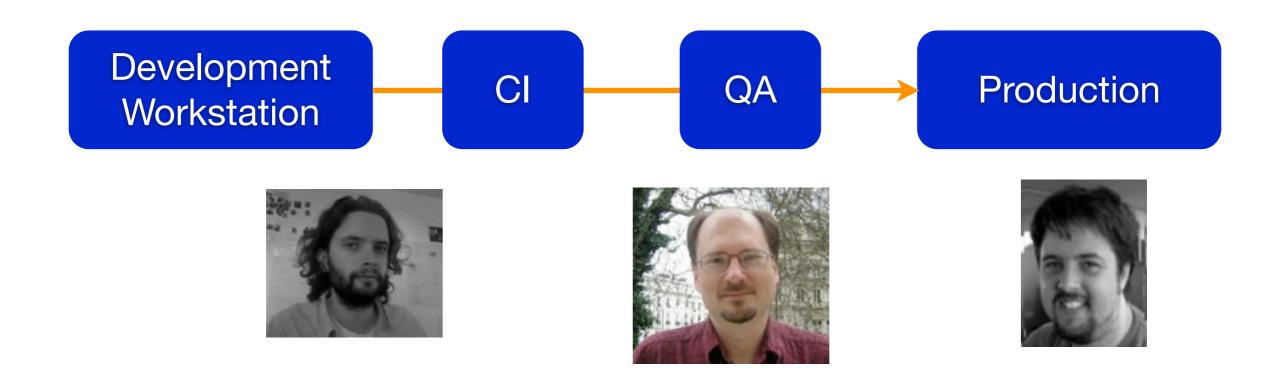
Build Once, Deploy Everywhere

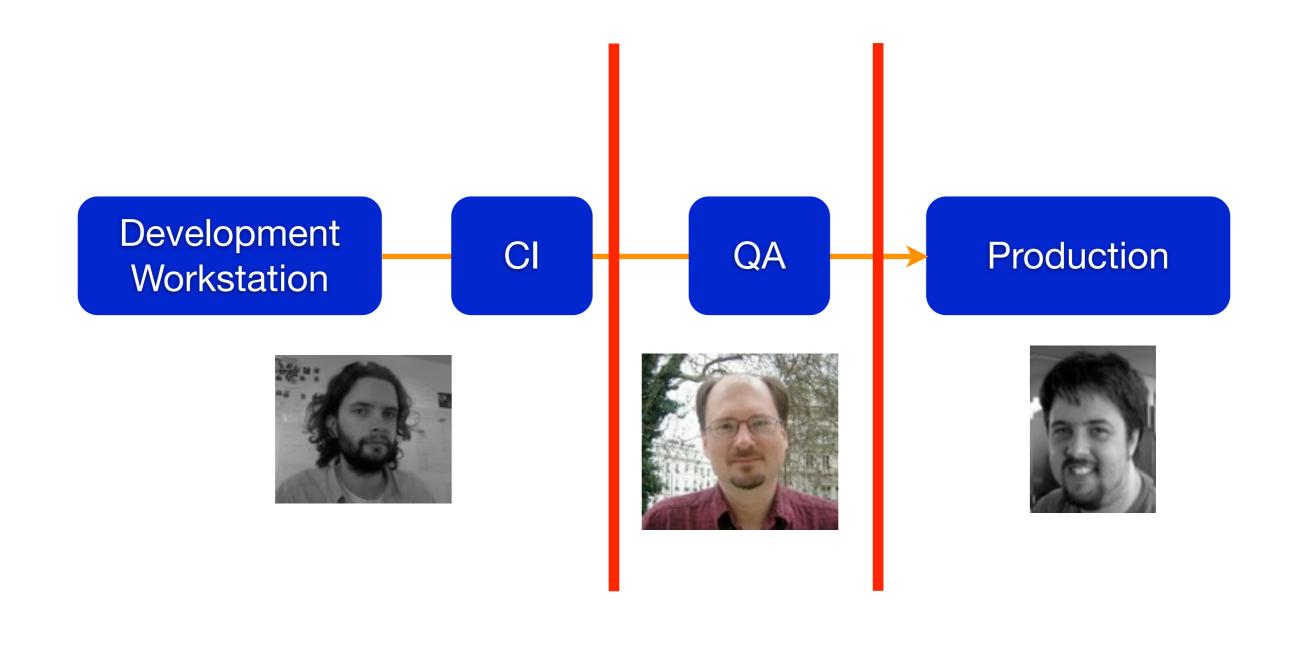


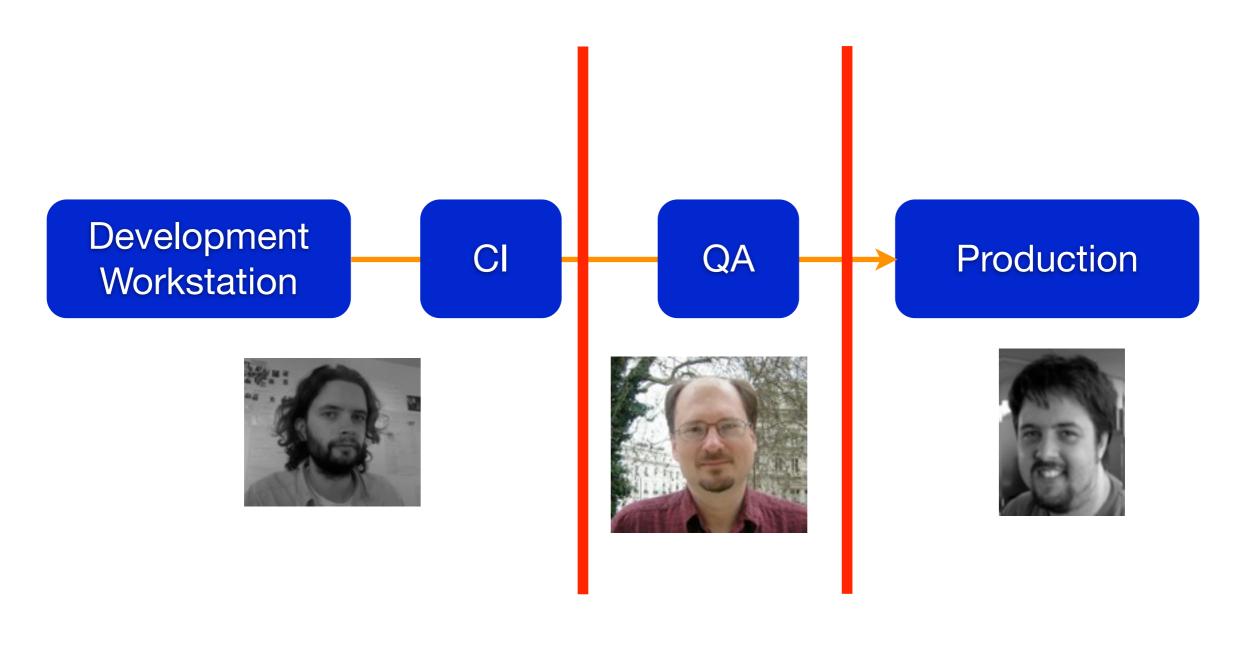




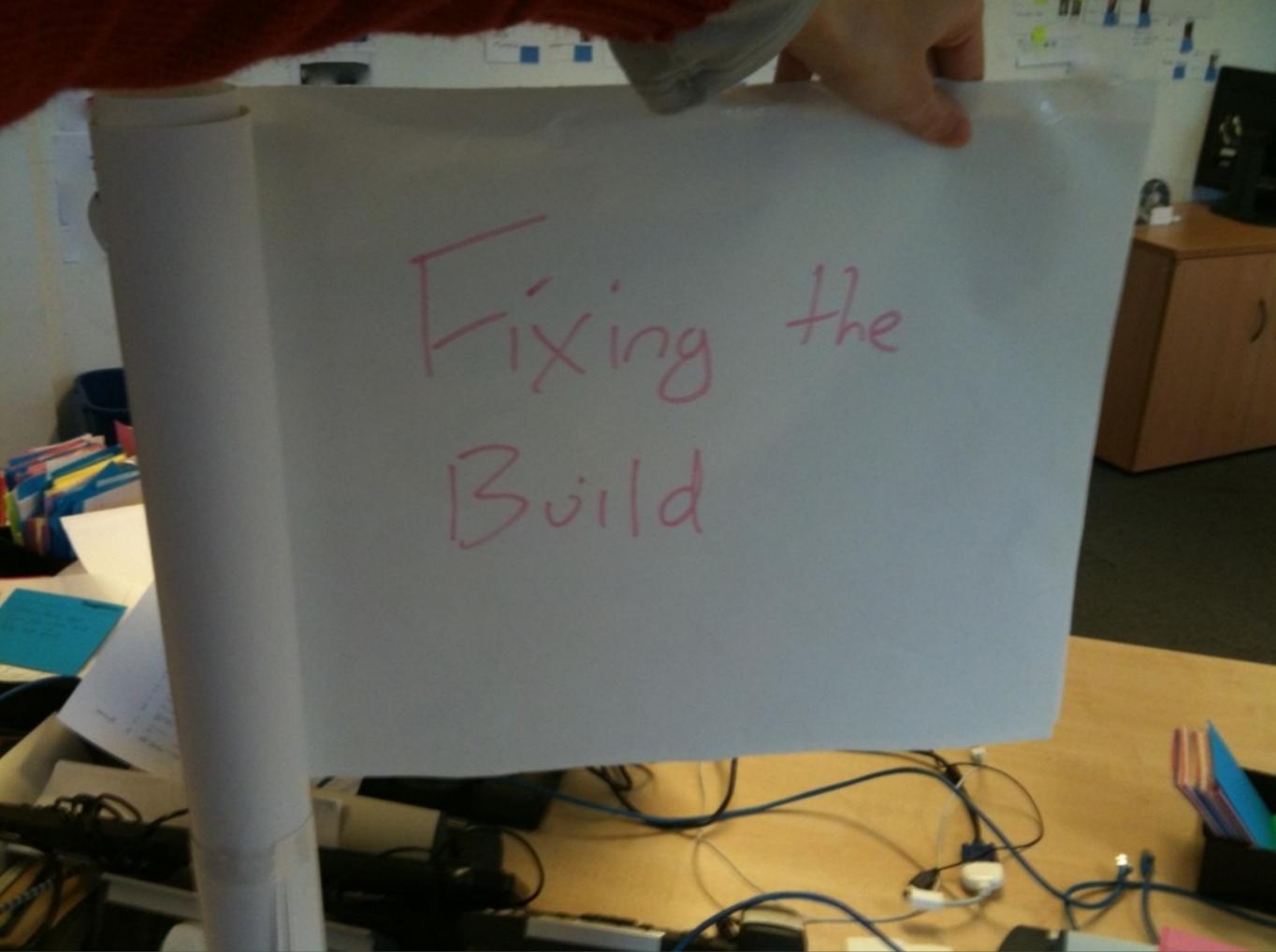




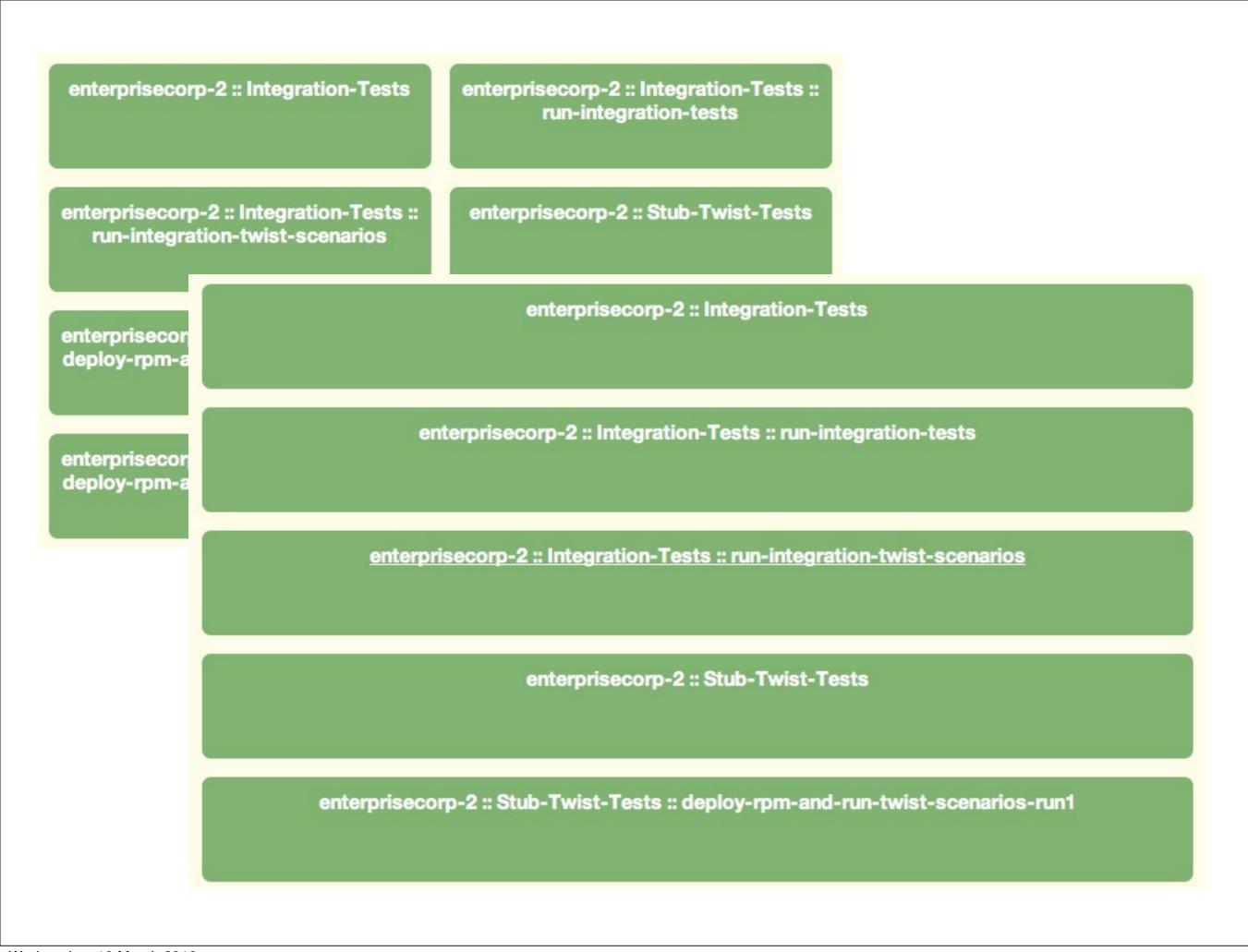




Don't Let Your Build & Deployment Process Become a Series Of Silos

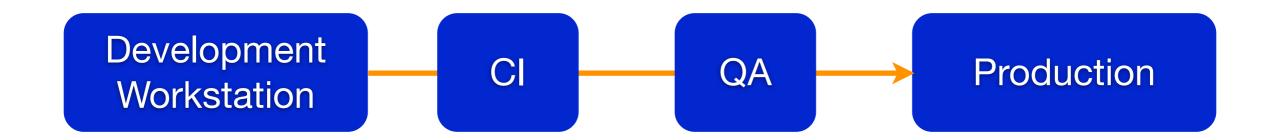


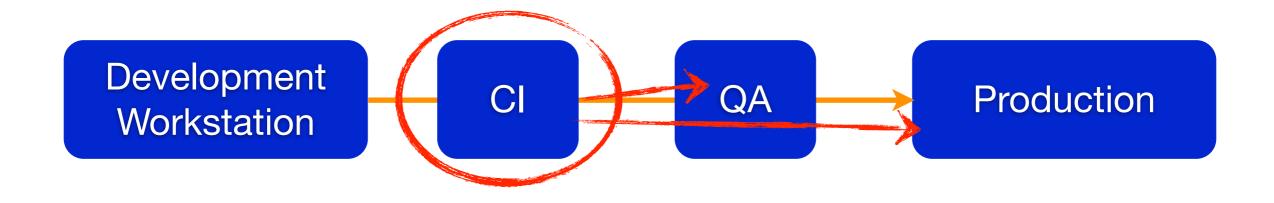
Wednesday, 10 March 2010

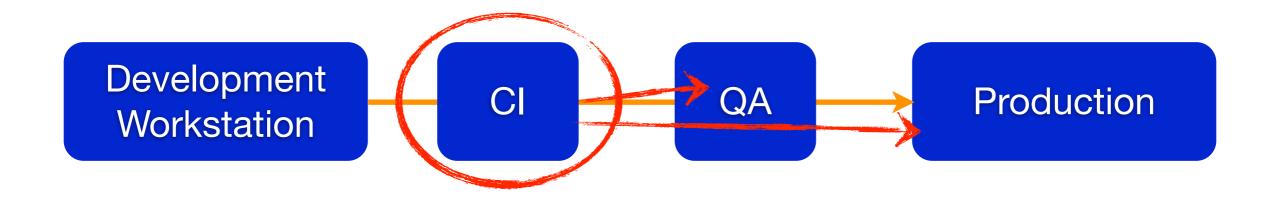




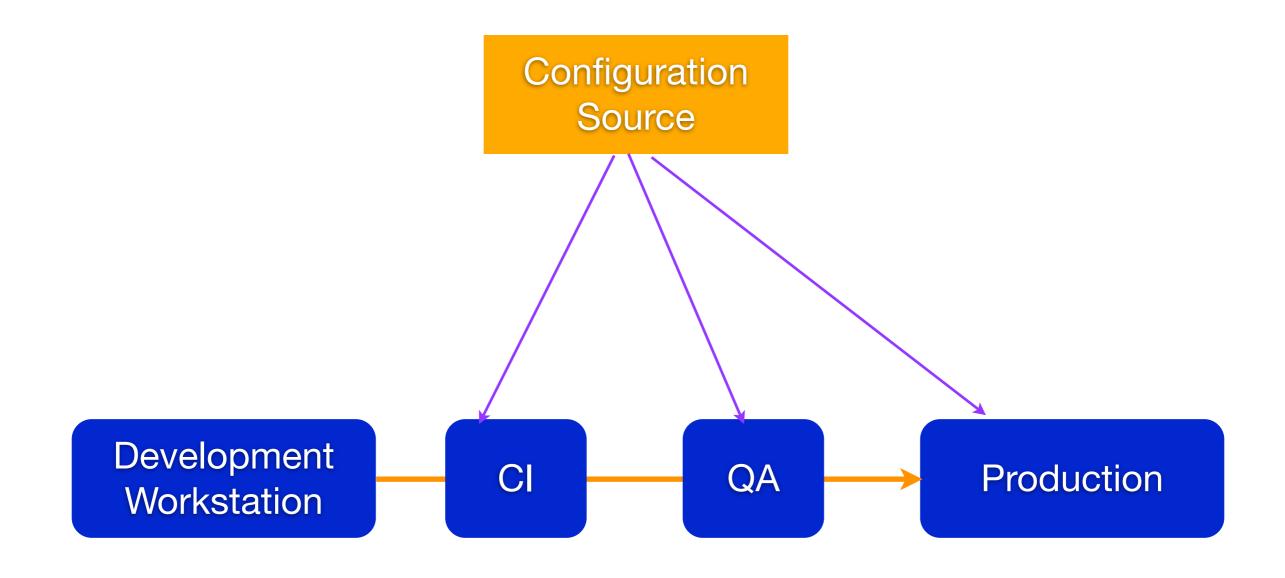
2. Configuration



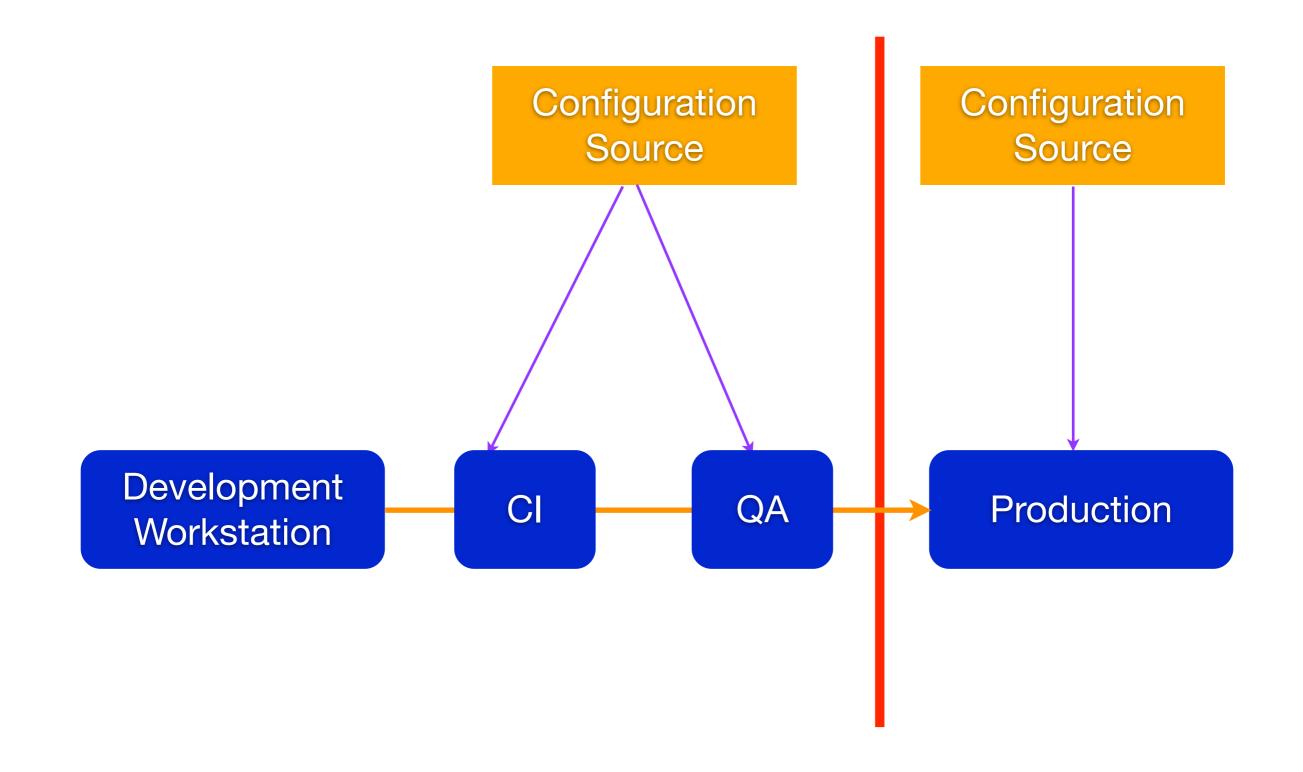




Separate Configuration From Binaries



Separate Configuration From Binaries



Separate Configuration From Binaries



System Configuration

System Properties

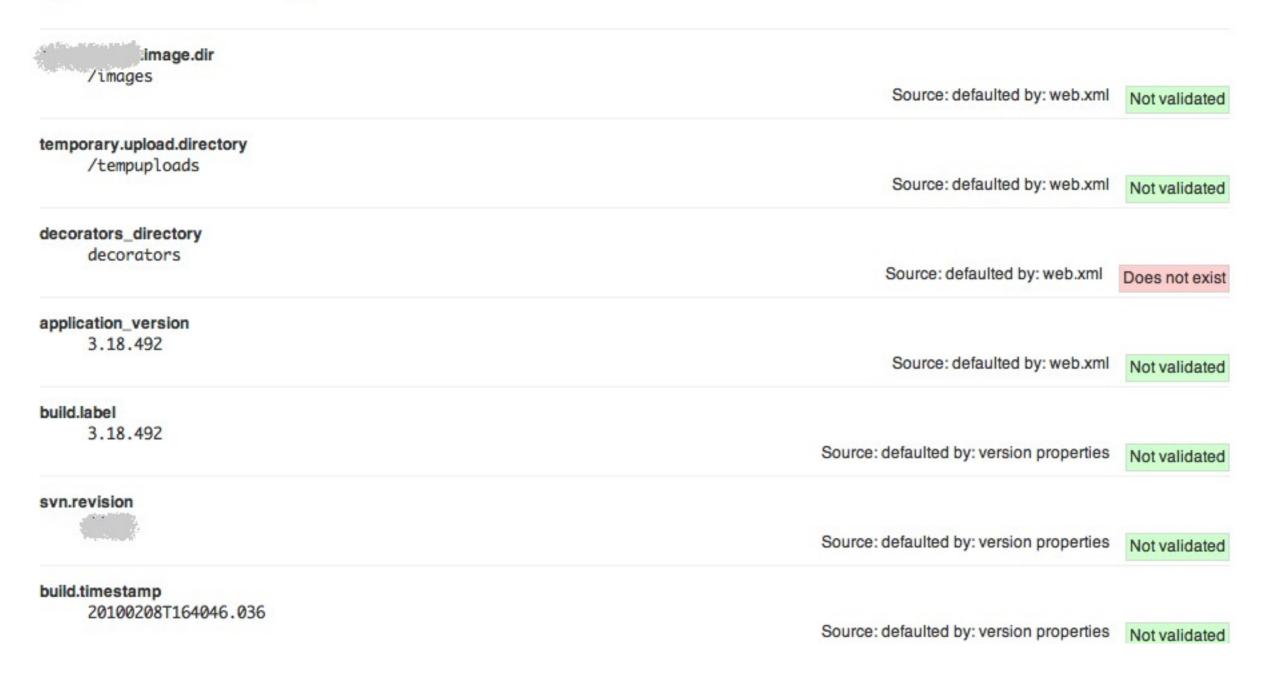
System Variables

Integration Points

Monitored Events

Database Monitoring

System configuration



Expose Your Config

Inte

System configuration

image.dir /images

temporary.upload.directory /tempuploads

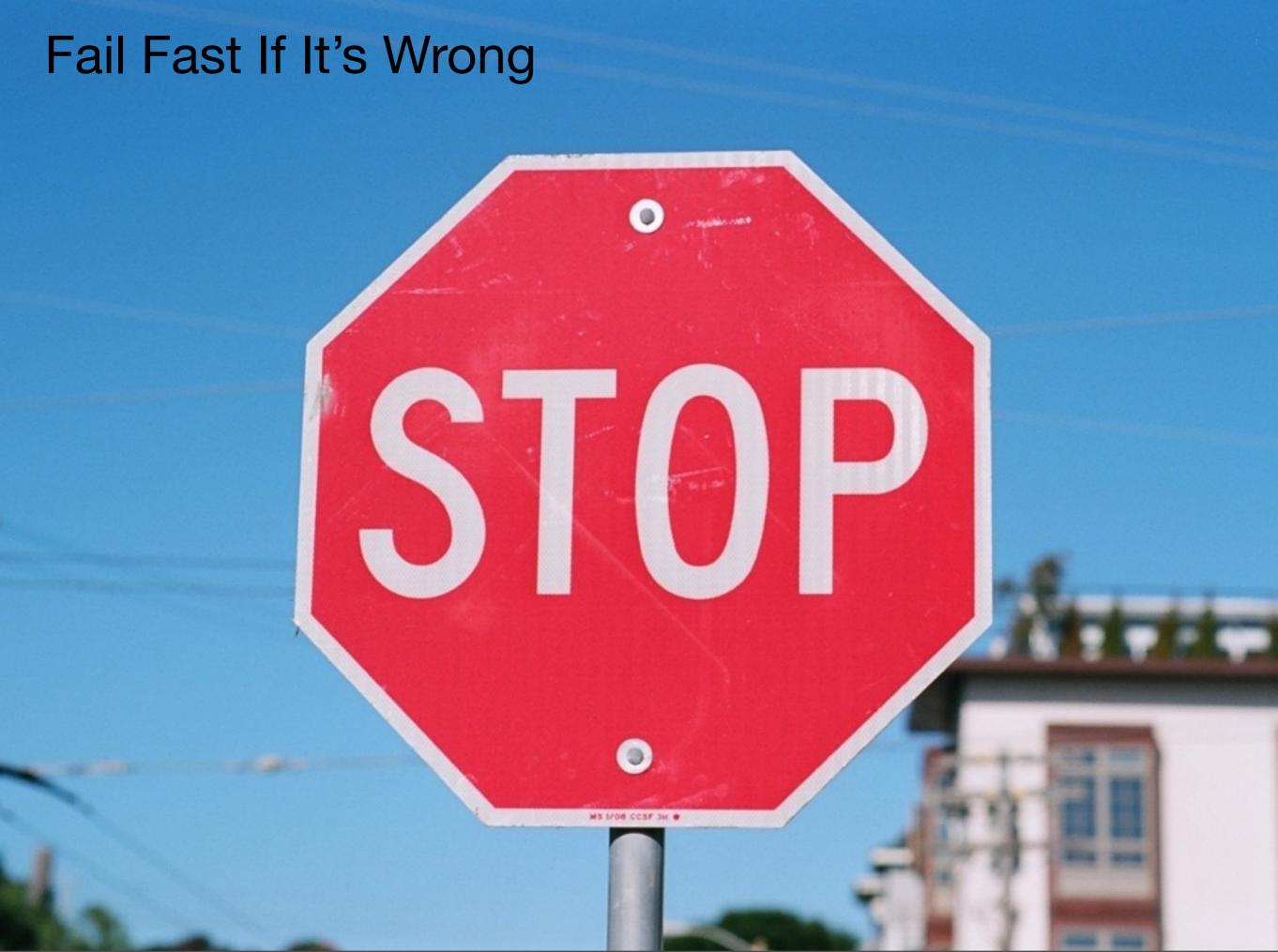
decorators_directory decorators

application_version 3.18.492

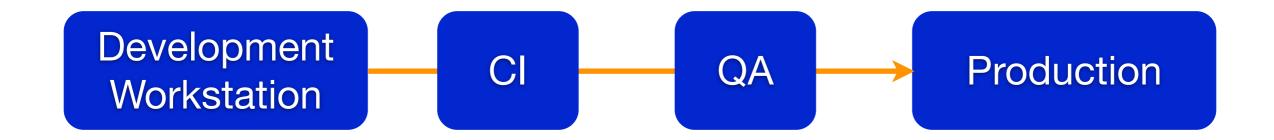
build.label 3.18.492

Source: overridden by: /usr/local	-override.properties	Validated at 172.17.0.59
net		
Source: overridden by: /usr/local/	-override.properties	Validated at 172.17.0.149
Source: overridden by: /usr/local/	override.prope	erties connect timed out
Course. Of Ciriadon by . 74017100417		connect timed out

Validate Your Config

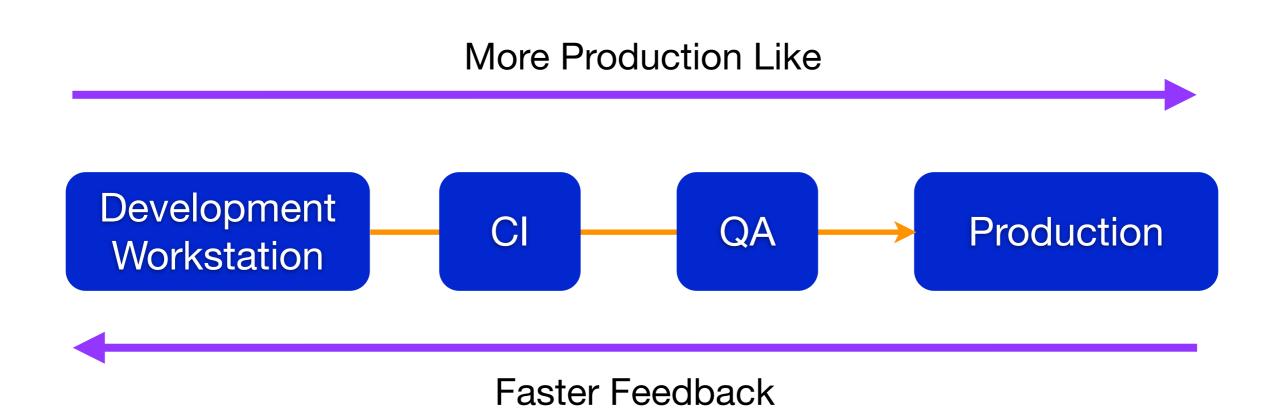


3. Deployment

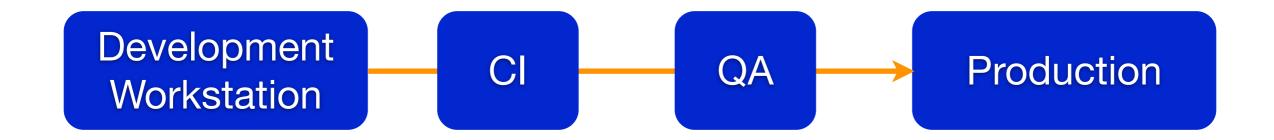


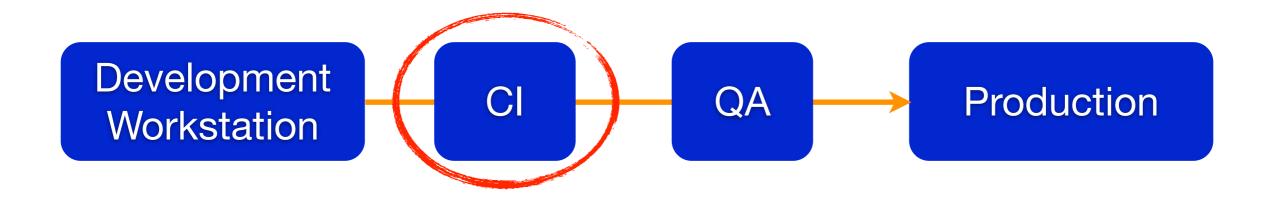
Development CI QA Production Workstation

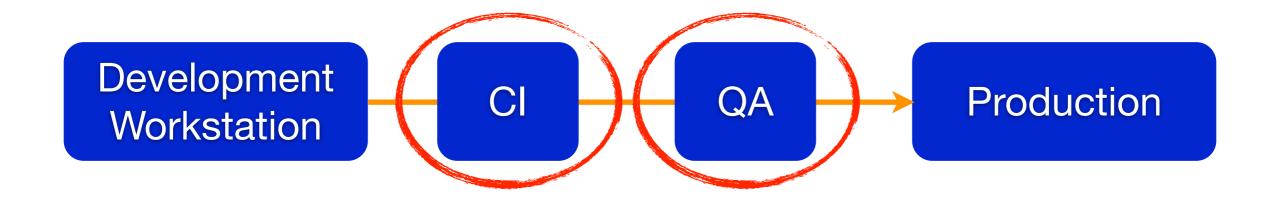
Development CI QA Production Faster Feedback

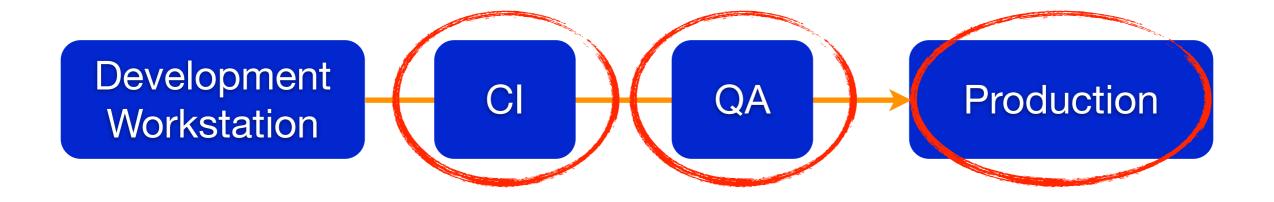


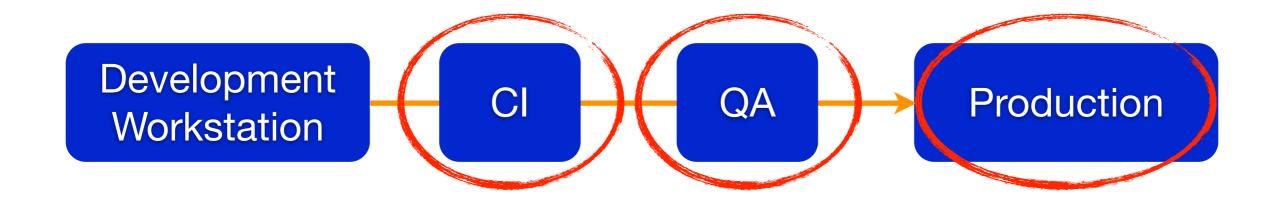
Understand How To Balance Your Environments





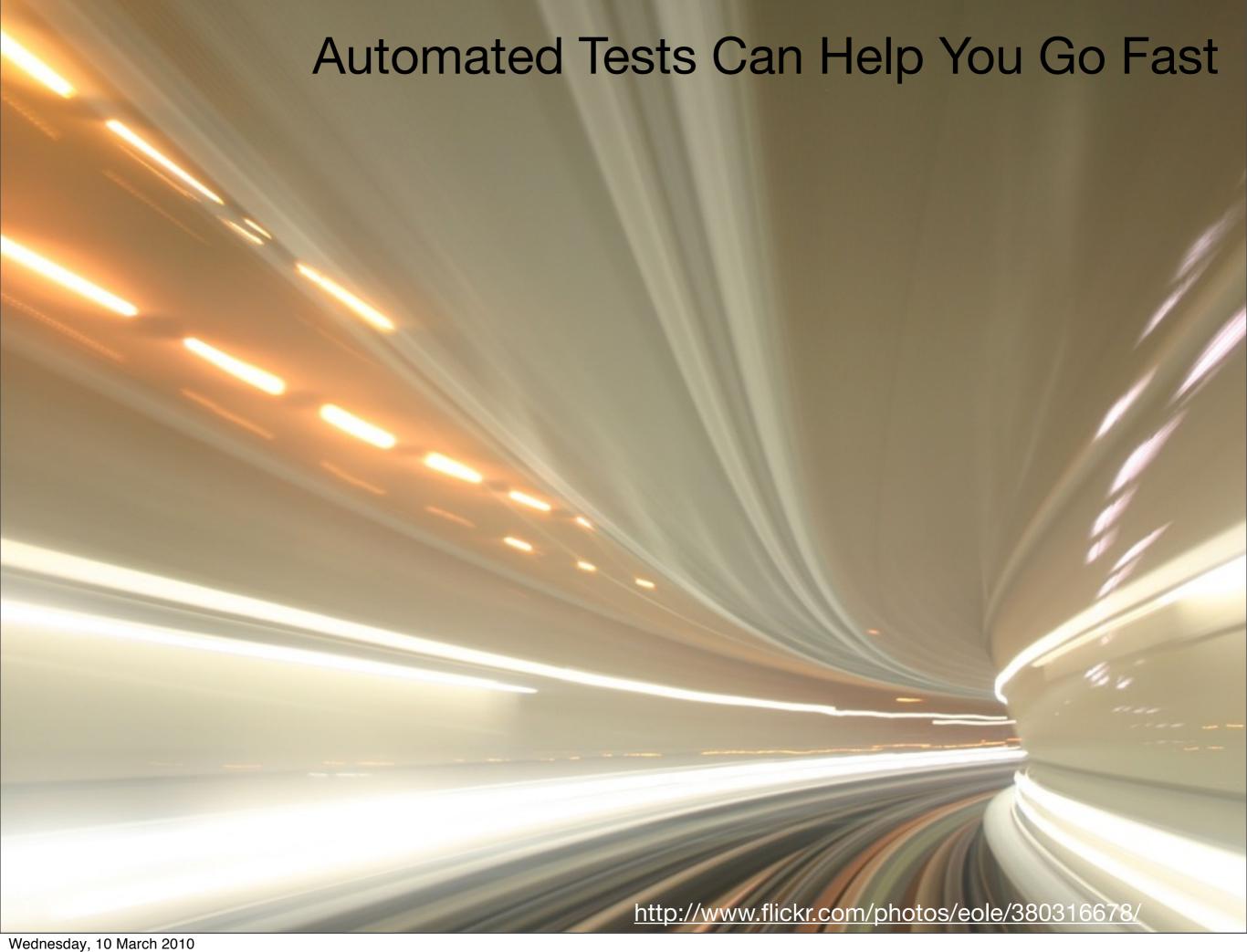


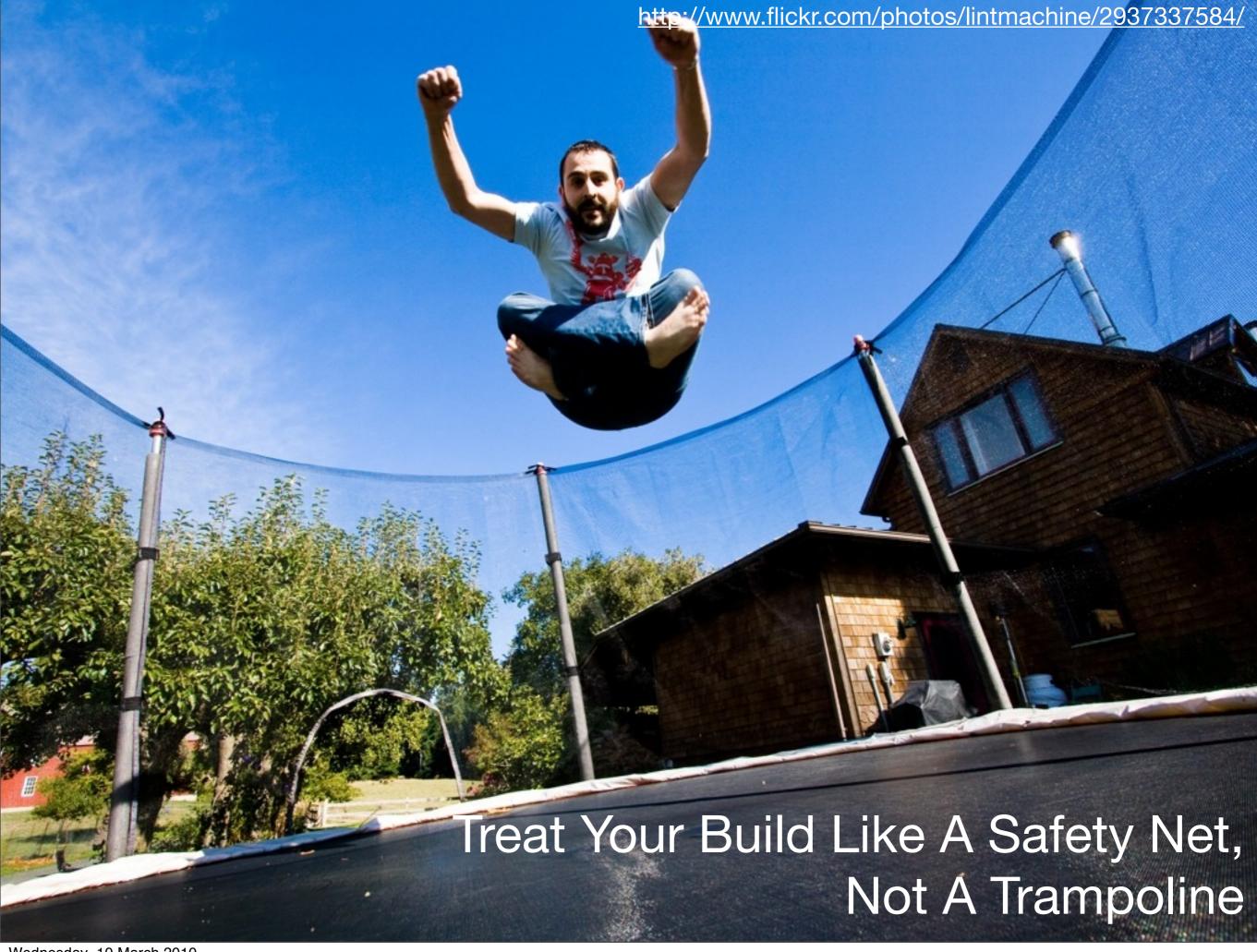




Use The Same Deployment Mechanism Everywhere

4. Automated Testing





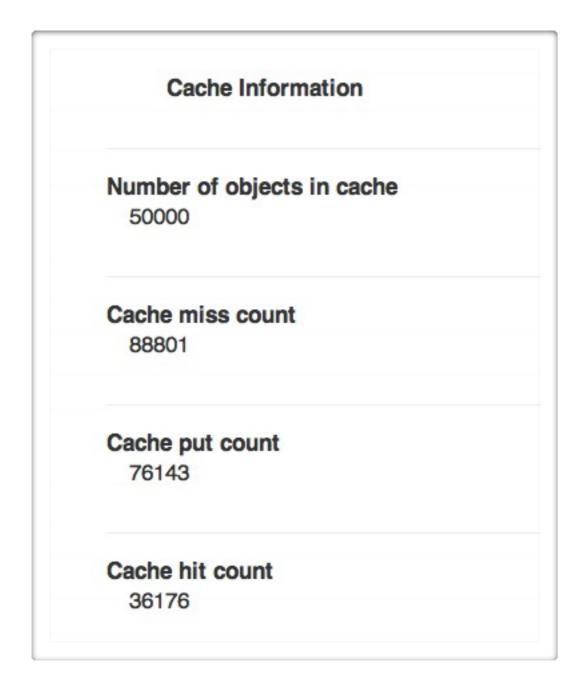
5. Monitoring

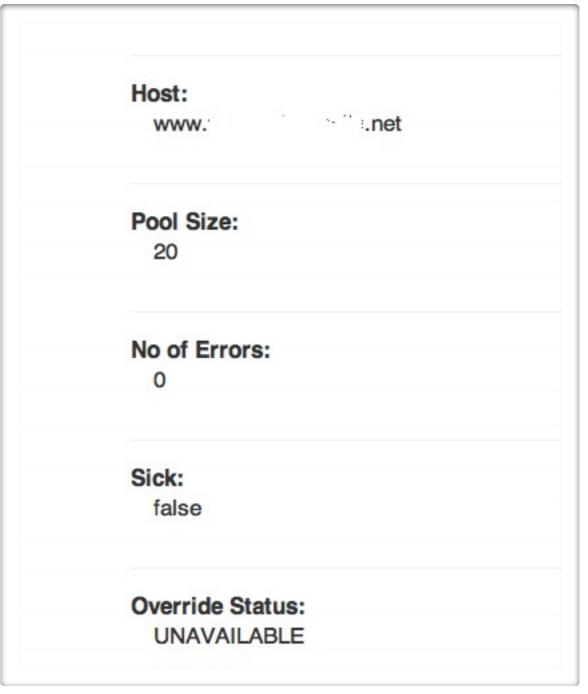






nun	nberOfApplicationErrors 57
nun	nberOfServicedRequestsWithResponse200 136711
nun	nberOfServicedRequestsWithResponse304 27782
nun	nberOfServicedRequestsWithResponse404 303
nun	nberOfServicedRequestsWithResponse500 141
tota	INumberOfServicedRequests 172383



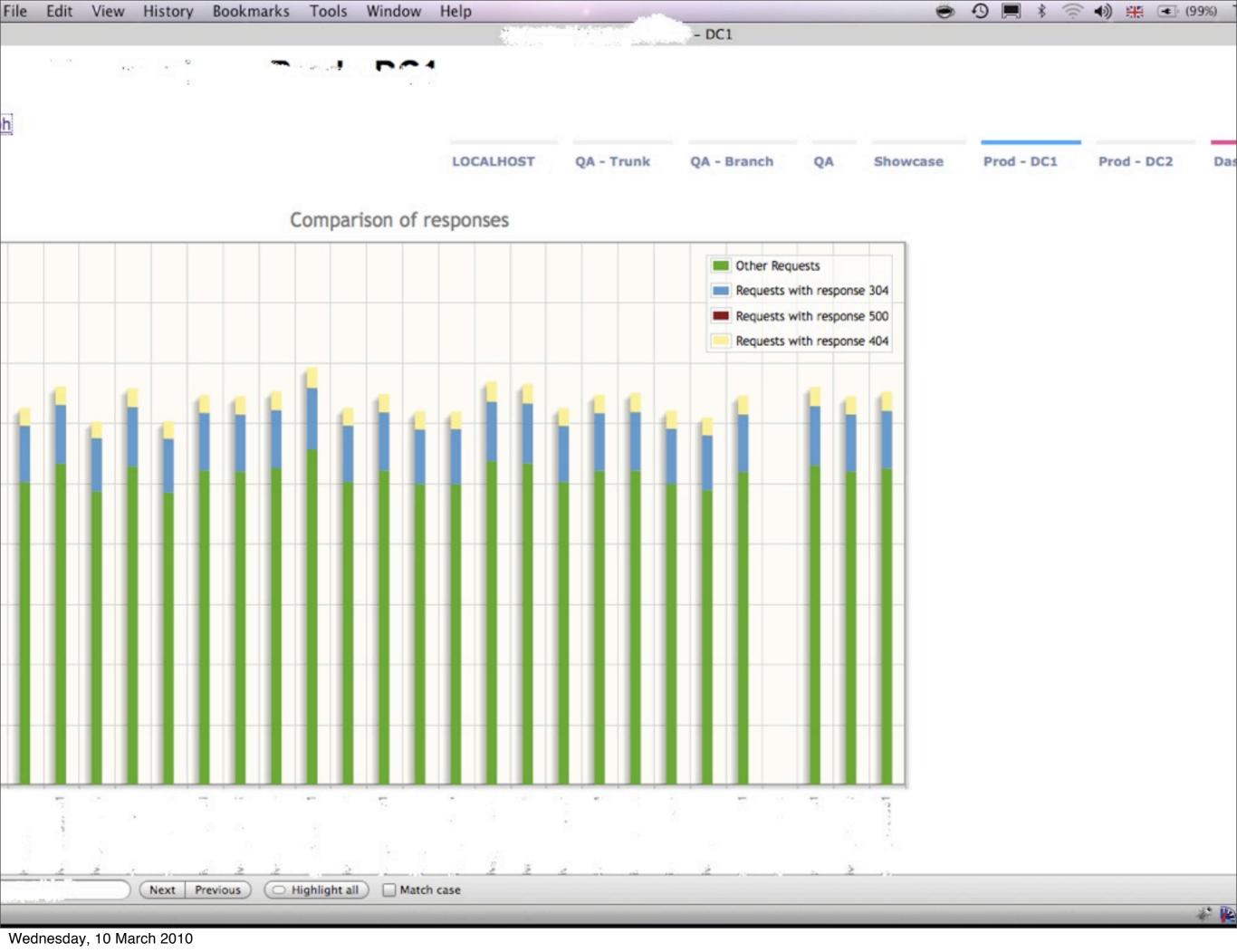


File Edit View History Bookmarks Tools Window Help

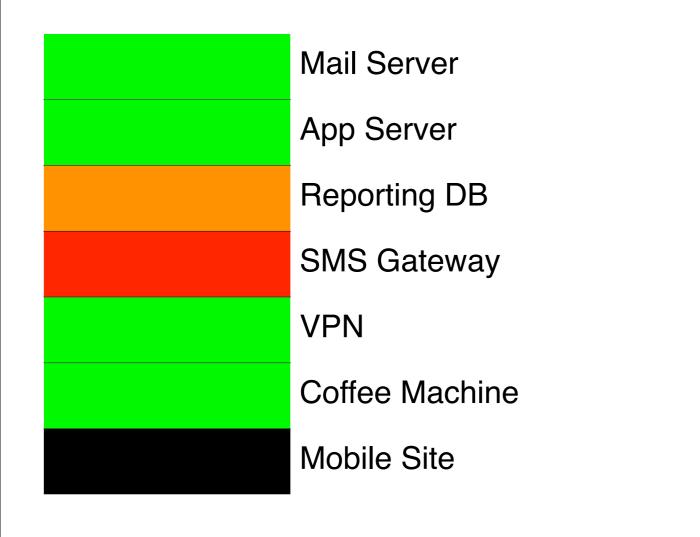
The DC1

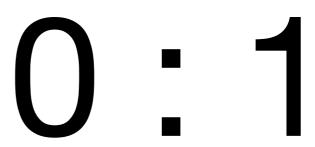
The D

					CALHOST	QA - Trunk QA - Branch QA Showcase Prod - DC1 Prod - DC2					
	Application version	Svn revision	Admin mode	Page Impressions	Click Throughs	Seconds Since Last Write To Database	Number Of Application Errors	Number Of Serviced Requests With Response200	Number Of Serviced Requests With Response304	Number Of Serviced Requests With Response404	Number Of Serviced Requests With Response500
	3.18.492	9469	true	0	0	5	0	0	0	0	0
	AWOOGA AWOOGA! SERVER DEAD!										
100	3.18.492	9469	false	2793	27	4	41	116436	22646	7305	79
* 1	3.18.492	9469	false	2976	36	29	46	123495	23803	7435	92
	3.18.492	9469	false	2665	34	48	34	112881	21504	6642	69
<u>2</u>	3.18.492	9469	false	2924	34	15	48	122552	23939	7688	93
2.2	3.18.492	9469	false	2595	28	9	36	112586	21780	7062	81
	3.18.492	9469	false	2849	27	54	36	120924	23229	7322	89
re a s	3.18.492	9469	false	2902	32	42	40	120569	22980	7507	75





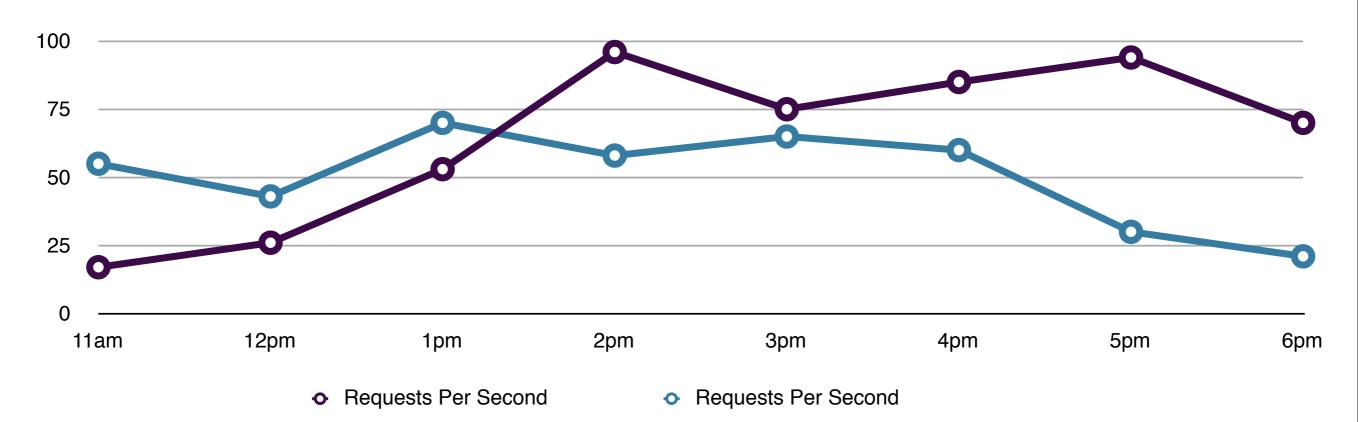




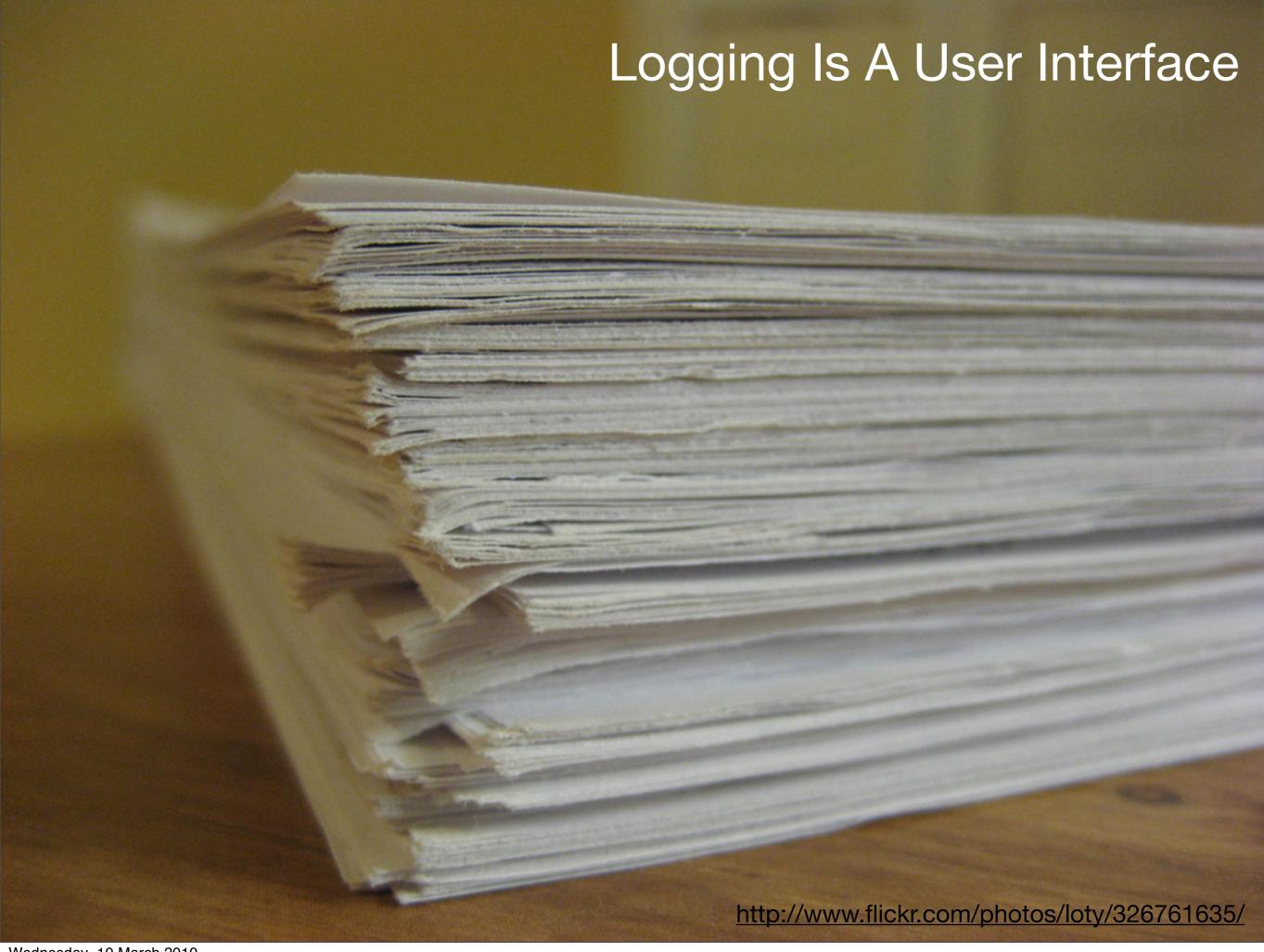
Datacentre Disribution

Most Recent Incidents

- RESOLVED: Network Outage in DC1
- RESOLVED: Coffee Machine out of



6. Logging

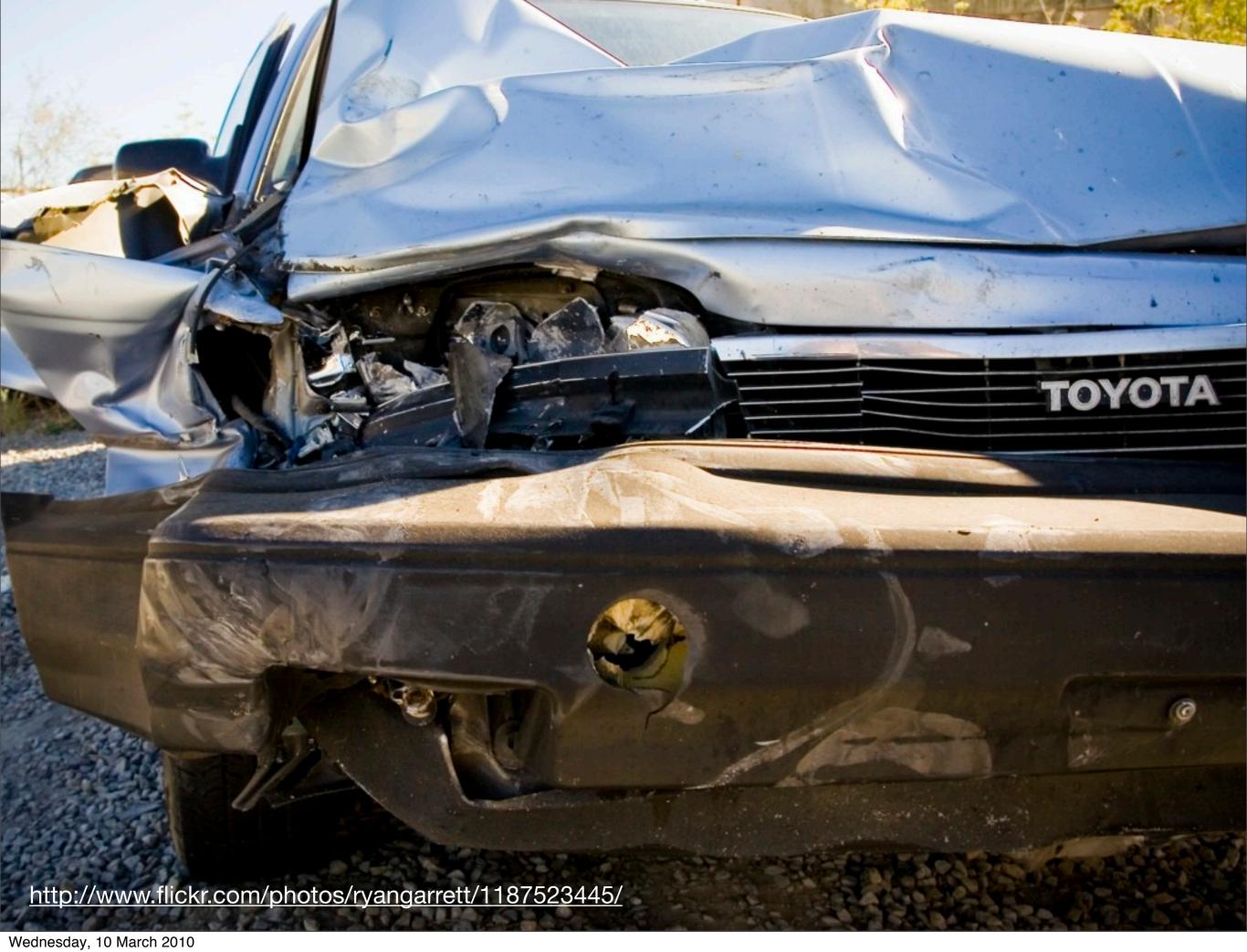






7. Disasters







"Regardless of what we discover, we understand and truly believe that everyone did the best job they could, given what they knew at the time, their skills and abilities, the resources available, and the situation at hand."

- Retrospective Prime Directive









Finally...





Wednesday, 10 March 2010

The Result?

FEATURING



Flickr was last deployed 16 hours ago, including 8 changes by 2 people.

In the last week there were 48 deploys of 749 changes by 18 people.

