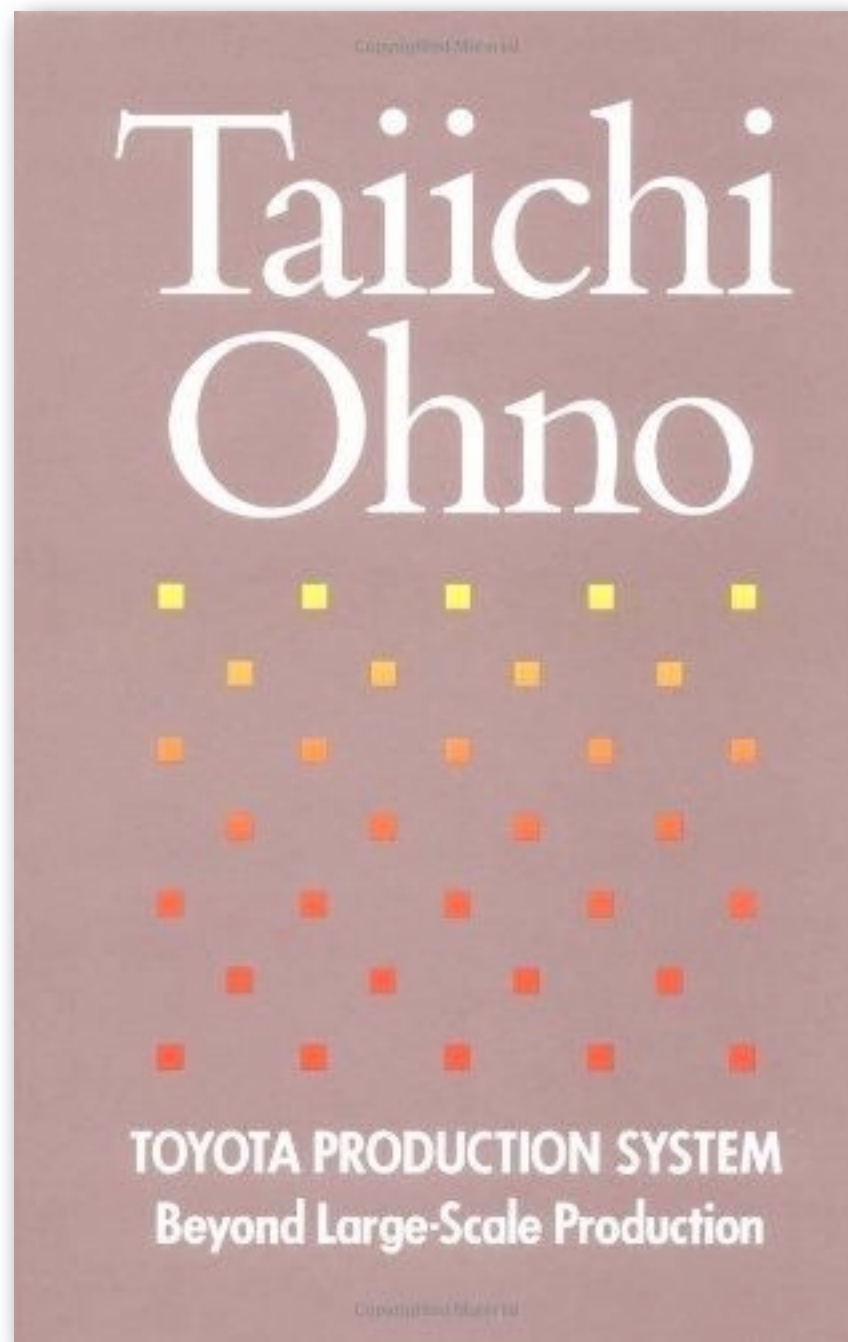


Retrospective

from the year of

DevOps

Daniel Fröding
Diabol AB



DIABOL



Daniel Fröding
@danielfroding

More **effective**
System development!



A high-contrast, black and white photograph with a splash of color. A hand, silhouetted against a bright white background, is pouring a red liquid from a beaker into a conical flask. The flask already contains a green liquid. The flask is sitting on a reflective surface, and its reflection is visible. The overall composition is clean and minimalist, with the red and green liquids providing the only color in the scene.

The Lean Catalyst for Agile

Agenda

The Problem

How to Improve

Some Effects

The Problem

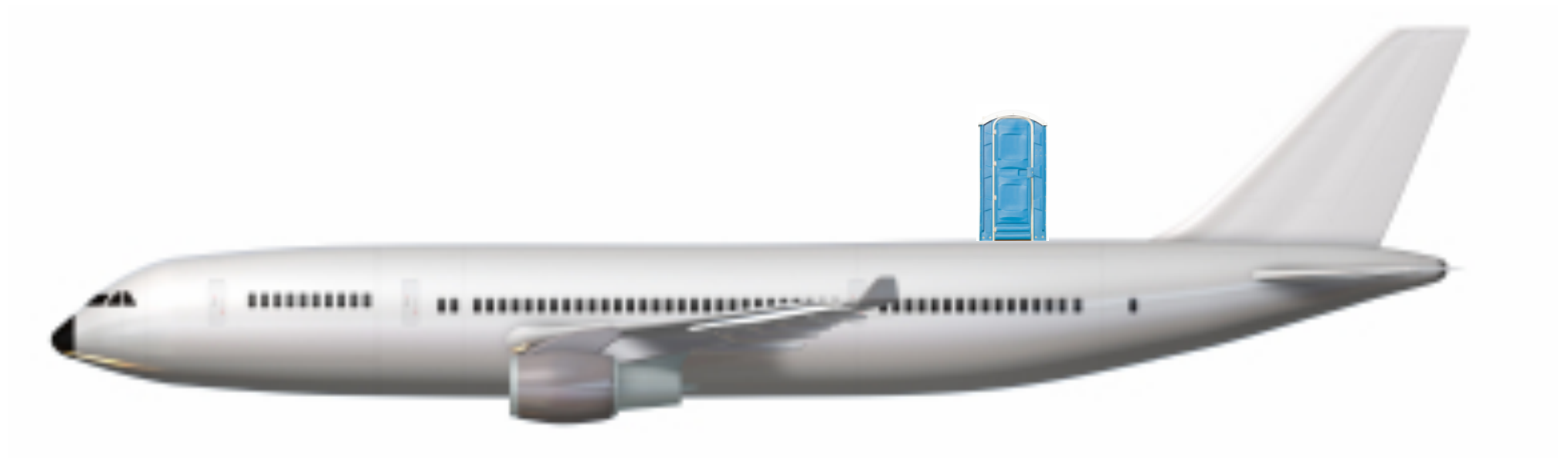


Super Toilet 2.0

- *Open source*
- *Easy to maintain*
- *Simple installation*

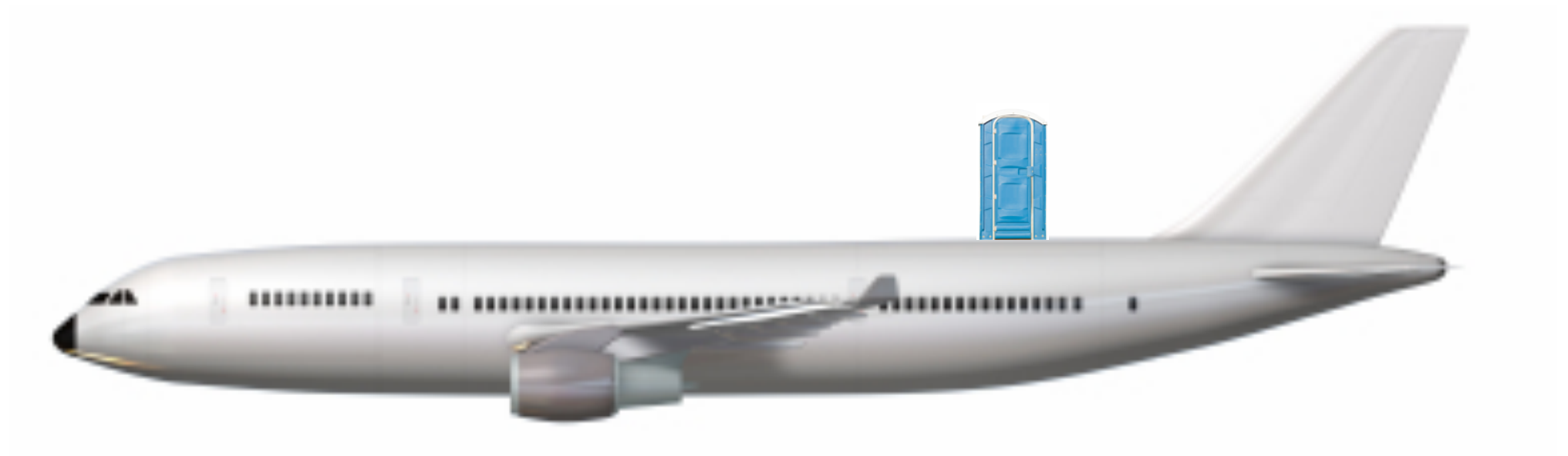


Problem solved...

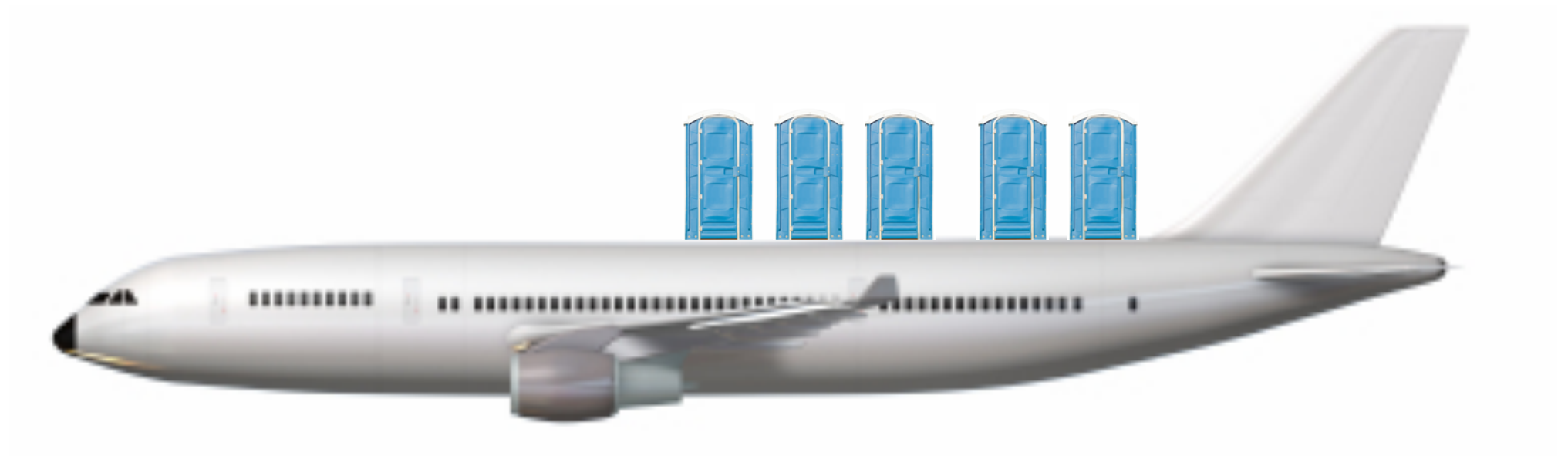




What was wrong?

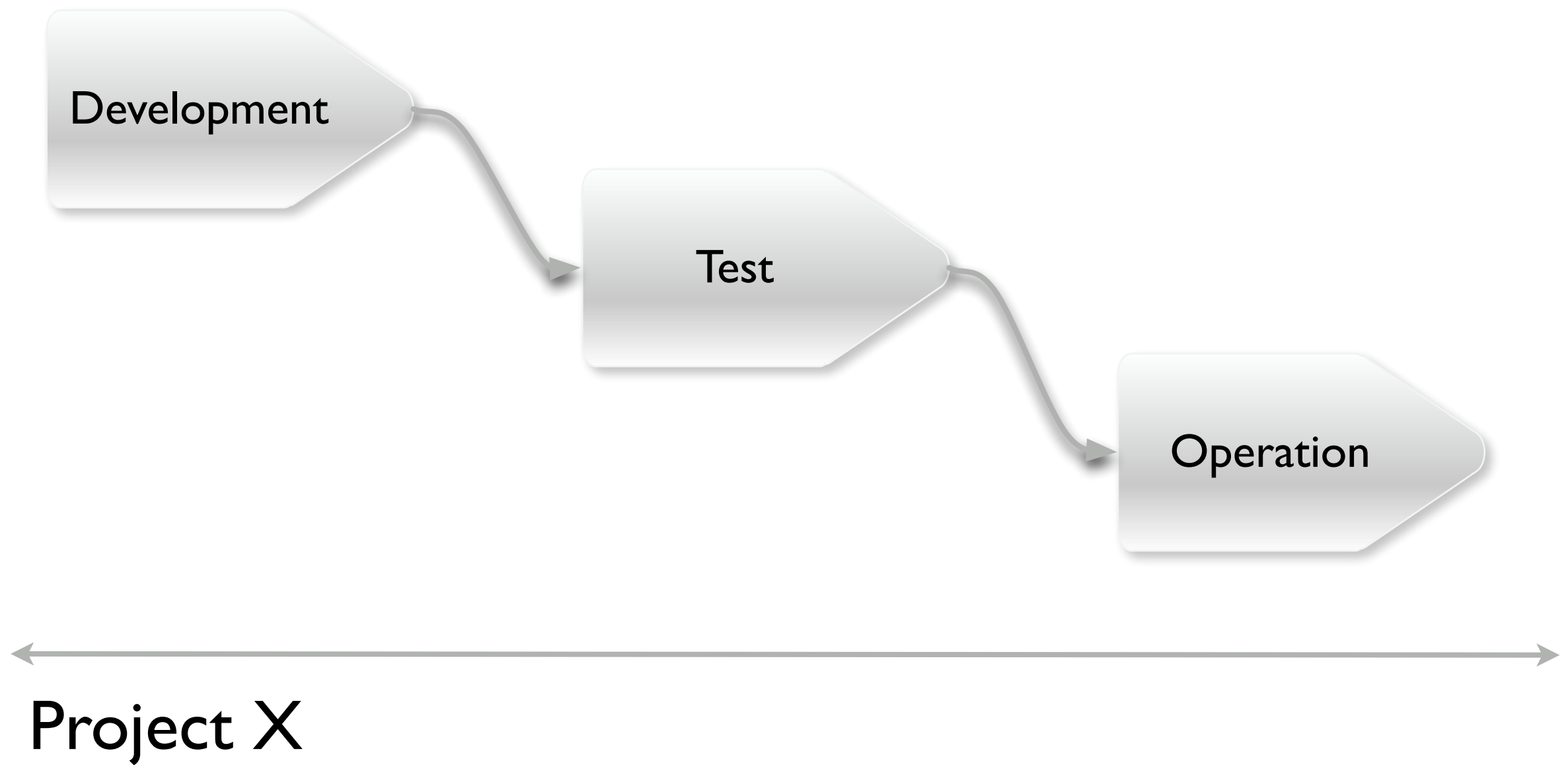


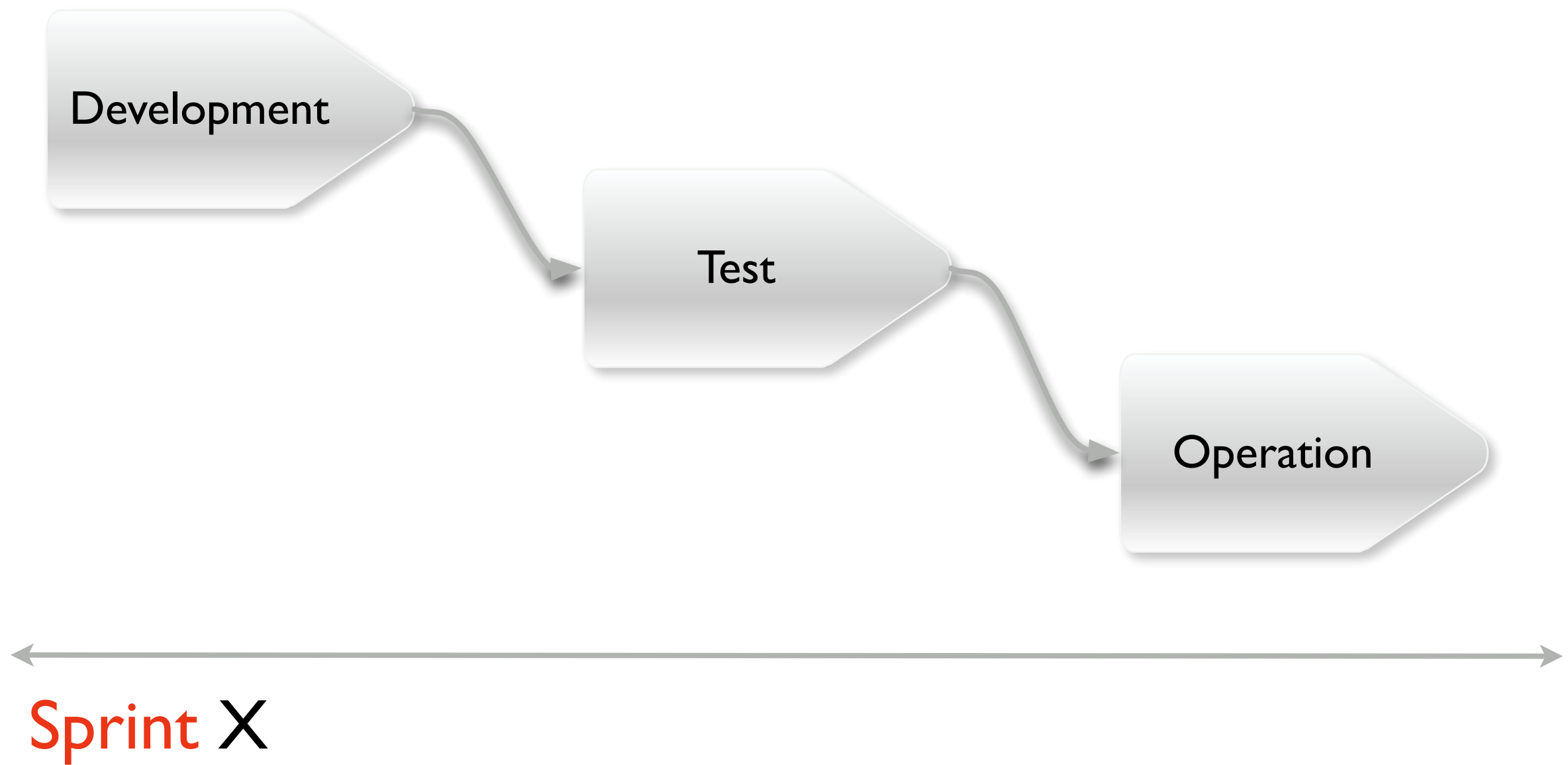
What was wrong?

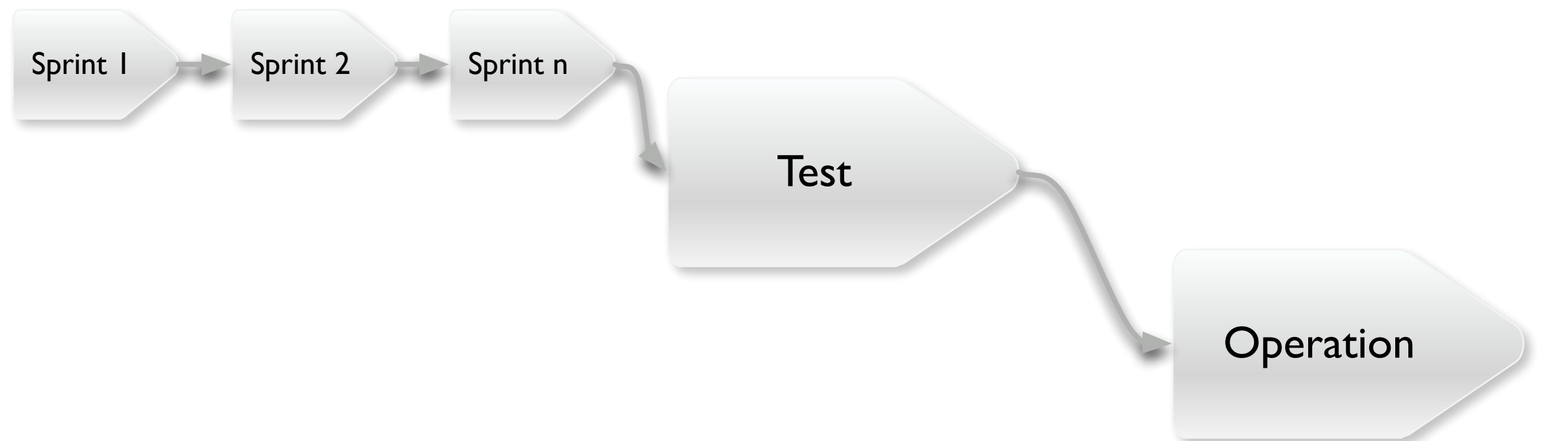


*A temporary **Instance**
of a System in
Constant movement*

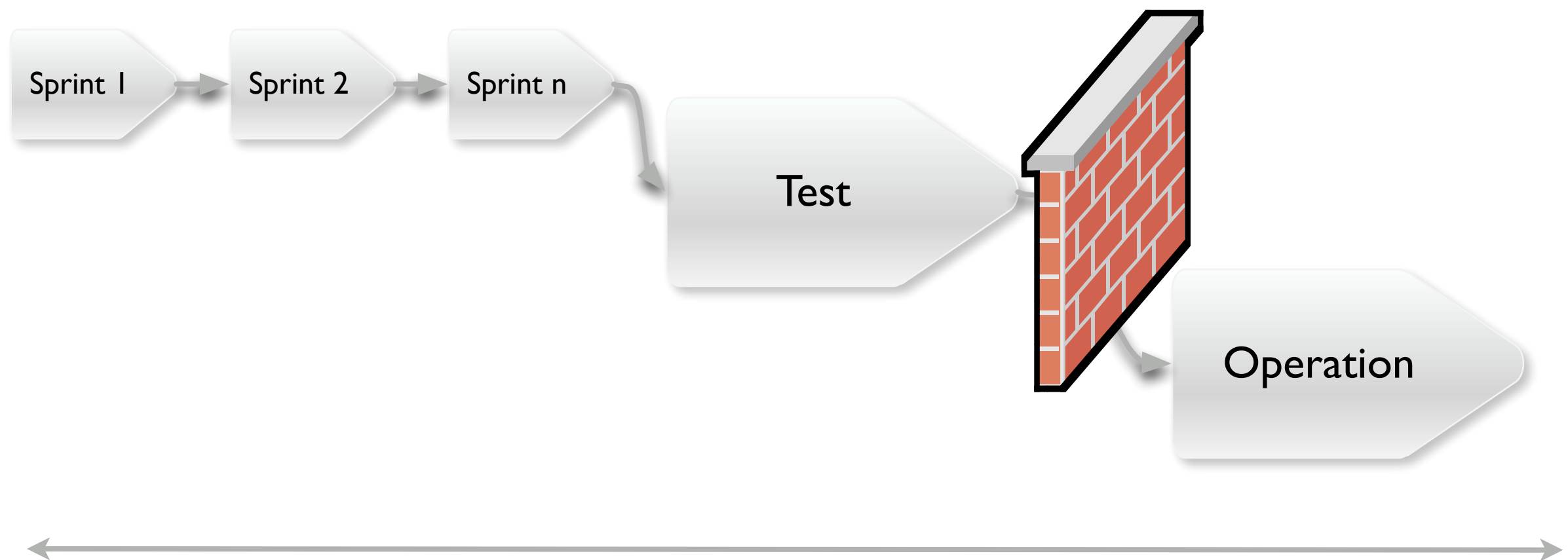








Project X



Project X

How to **Improve**

123

Disconnect Release process from **Projects**

1



Split the System into **Components**

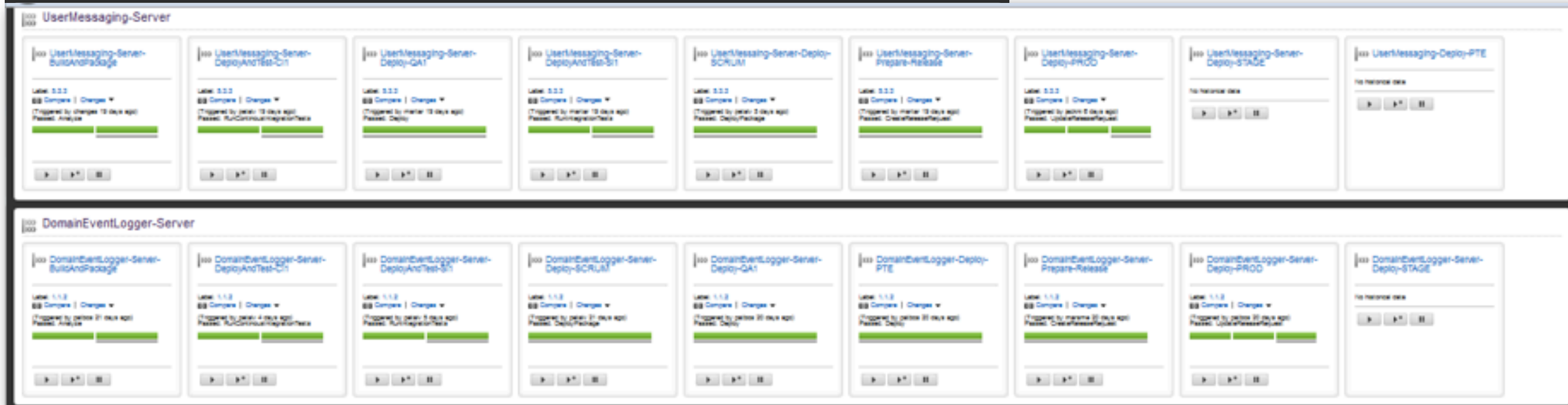
2



Create a Lean delivery Pipeline



3



UserMessaging-Server								
UserMessaging-Server-BuildAndPackage Label: 5.2.2 88 Compars Changes Triggered by changes 15 days ago Passed: Analyze	UserMessaging-Server-DeployAndTest-CD Label: 5.2.2 88 Compars Changes Triggered by jobs 15 days ago Passed: RunContinuousIntegrationTests	UserMessaging-Server-DeployAndTest-QA1 Label: 5.2.2 88 Compars Changes Triggered by master 15 days ago Passed: Deploy	UserMessaging-Server-DeployAndTest-SIT Label: 5.2.2 88 Compars Changes Triggered by master 15 days ago Passed: RunIntegrationTests	UserMessaging-Server-Deploy-SCRUM Label: 5.2.2 88 Compars Changes Triggered by jobs 2 days ago Passed: DeployPackage	UserMessaging-Server-Prepare-Release Label: 5.2.2 88 Compars Changes Triggered by master 15 days ago Passed: CreateReleaseRequest	UserMessaging-Server-Deploy-PROD Label: 5.2.2 88 Compars Changes Triggered by jobs 5 days ago Passed: UpdateReleaseRequest	UserMessaging-Server-Deploy-STAGE No historical data	UserMessaging-Deploy-PTE No historical data
DomainEventLogger-Server								
DomainEventLogger-Server-BuildAndPackage Label: 1.1.2 88 Compars Changes Triggered by jobs 21 days ago Passed: Analyze	DomainEventLogger-Server-DeployAndTest-CD Label: 1.1.2 88 Compars Changes Triggered by jobs 4 days ago Passed: RunContinuousIntegrationTests	DomainEventLogger-Server-DeployAndTest-SIT Label: 1.1.2 88 Compars Changes Triggered by jobs 5 days ago Passed: RunIntegrationTests	DomainEventLogger-Server-Deploy-SCRUM Label: 1.1.2 88 Compars Changes Triggered by jobs 21 days ago Passed: DeployPackage	DomainEventLogger-Server-Deploy-QA1 Label: 1.1.2 88 Compars Changes Triggered by jobs 20 days ago Passed: Deploy	DomainEventLogger-Server-Deploy-PTE Label: 1.1.2 88 Compars Changes Triggered by jobs 20 days ago Passed: Deploy	DomainEventLogger-Server-Prepare-Release Label: 1.1.2 88 Compars Changes Triggered by master 20 days ago Passed: CreateReleaseRequest	DomainEventLogger-Server-Deploy-PROD Label: 1.1.2 88 Compars Changes Triggered by jobs 20 days ago Passed: UpdateReleaseRequest	DomainEventLogger-Server-Deploy-STAGE No historical data

»

Super Server-Deploy-PROD

Label: 1.0.106.9

↔

Compare

|

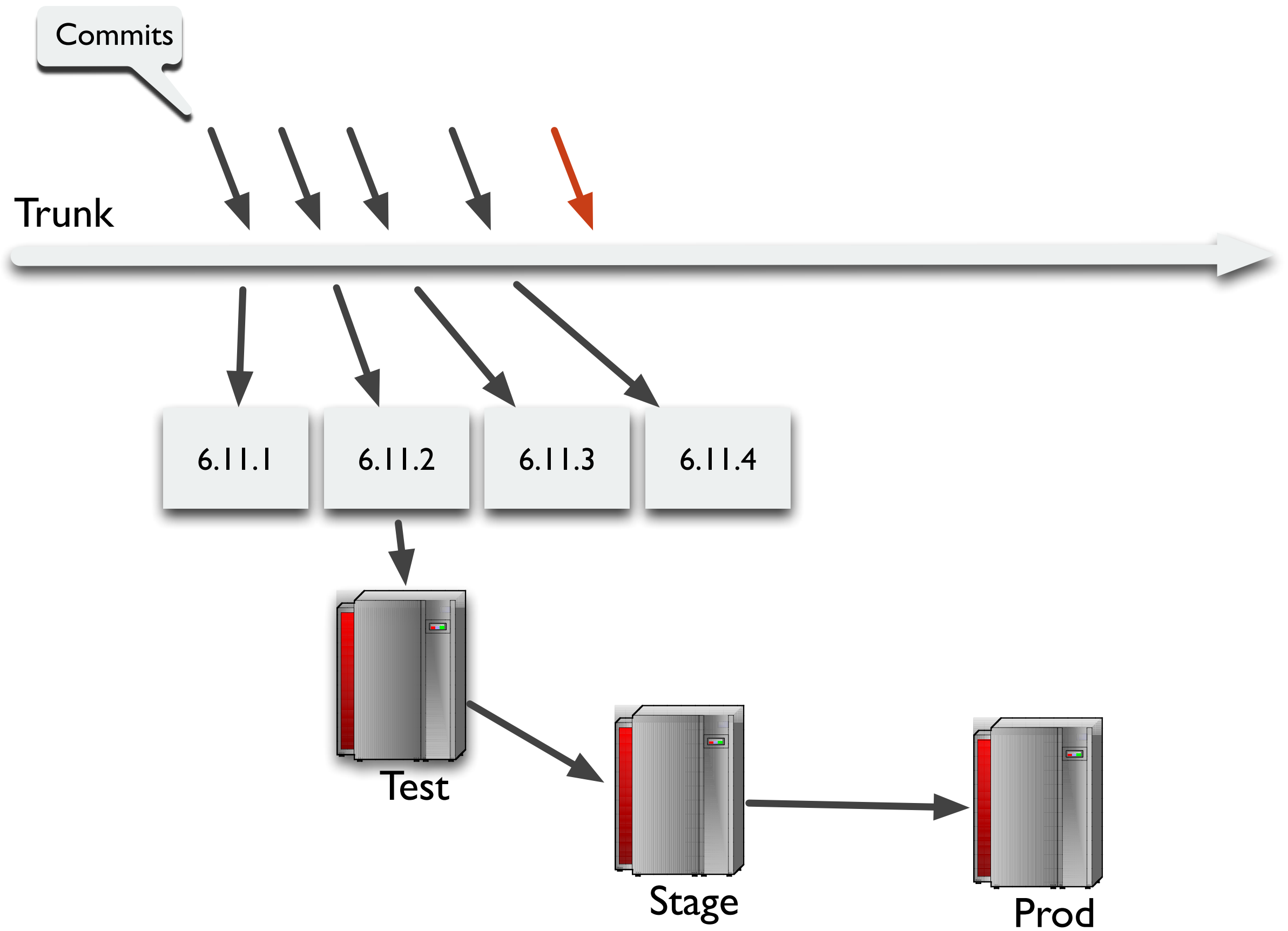
Changes

▼

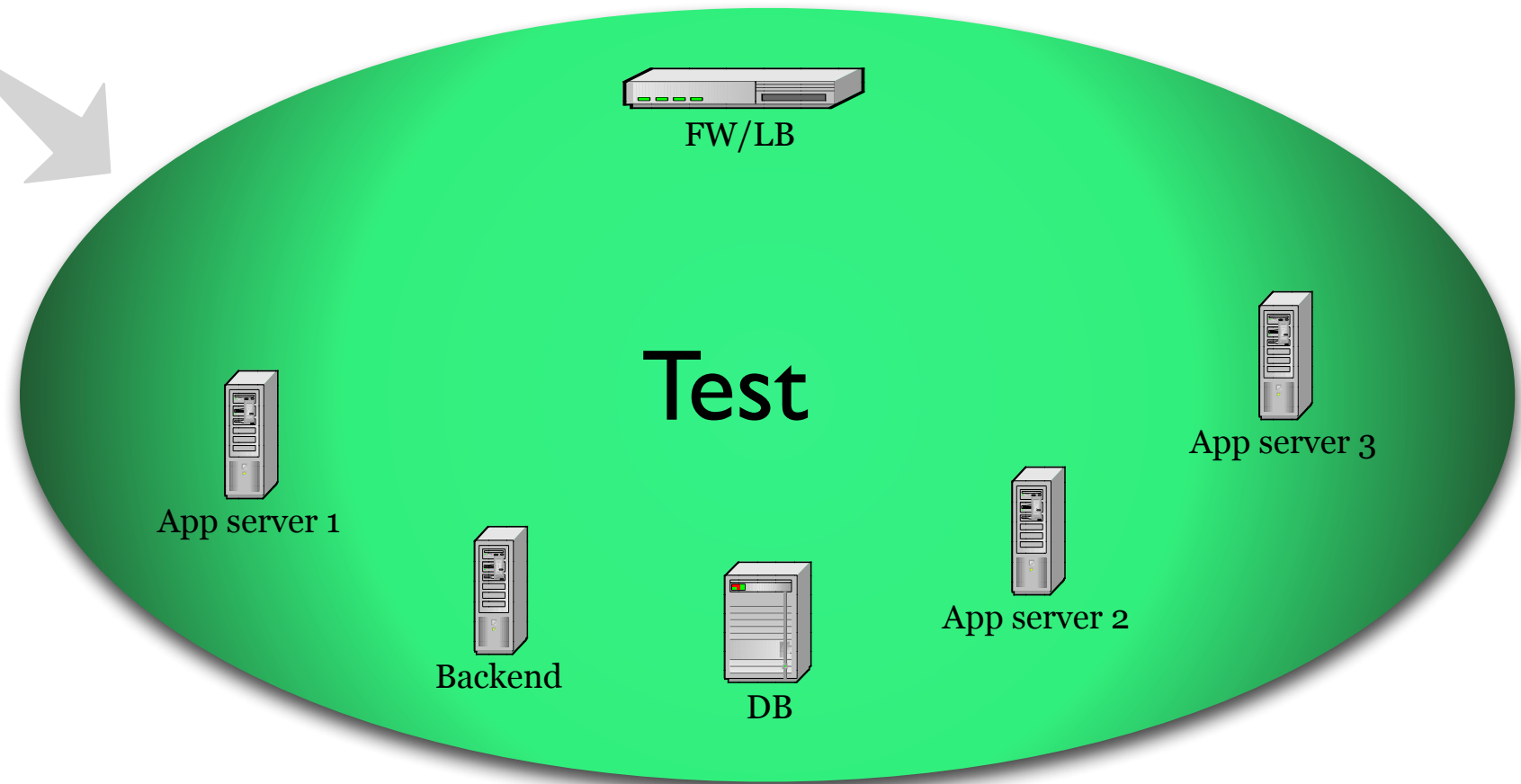
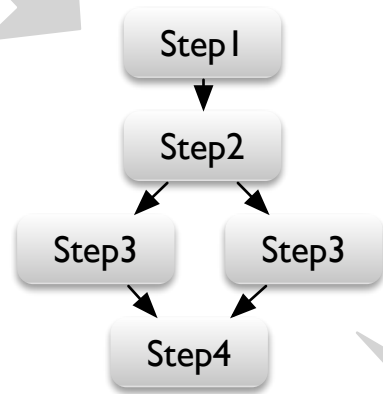
(Triggered by patbos 2 days ago)

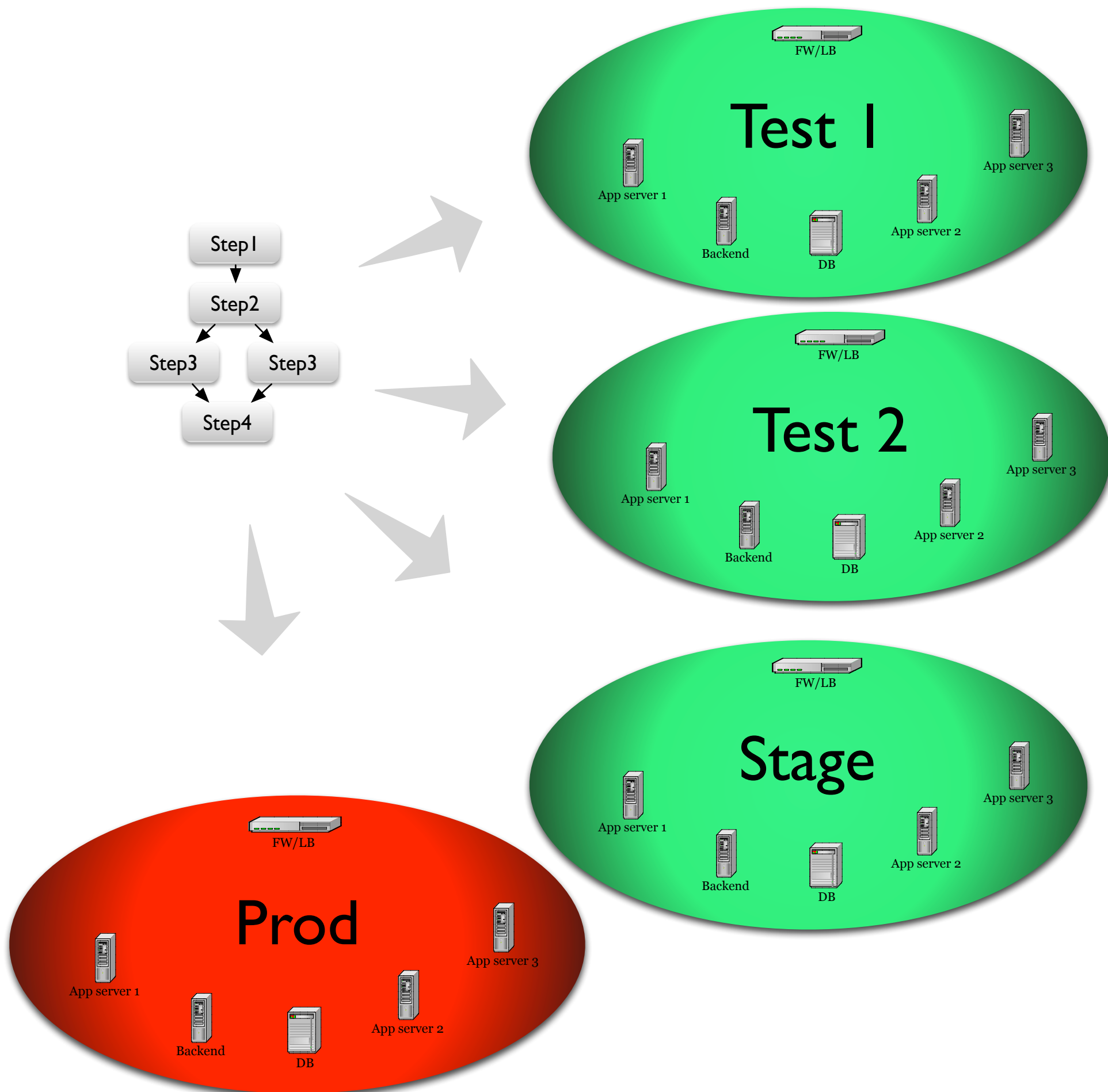
Passed: UpdateReleaseRequest

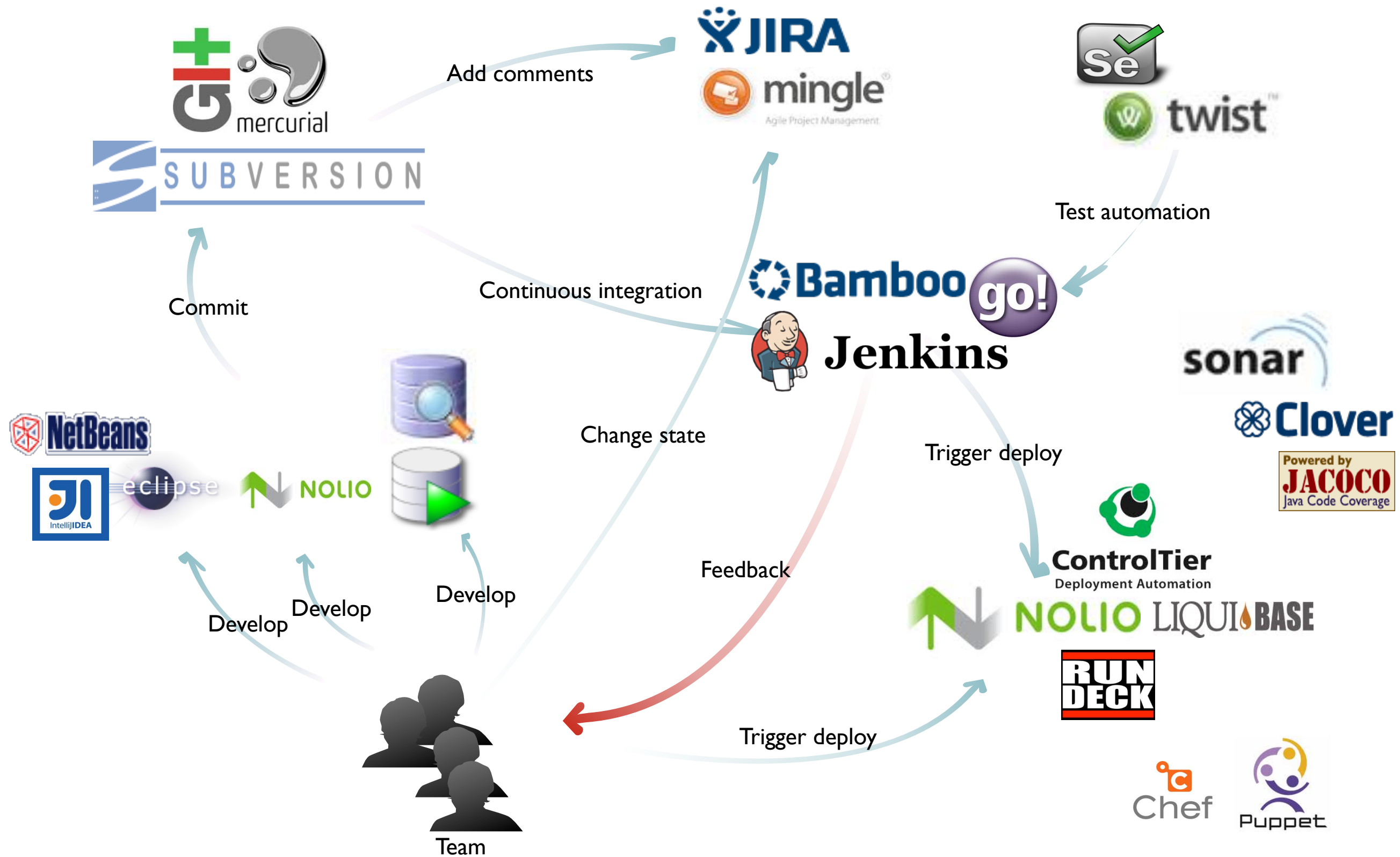




6.11.1



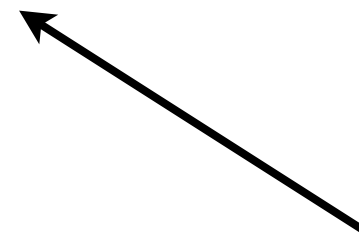
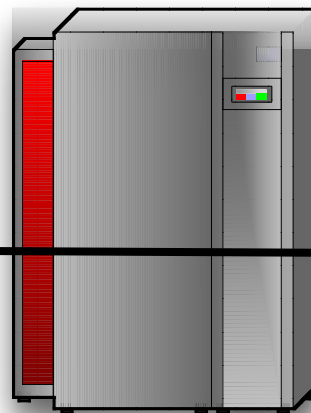
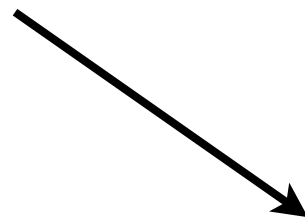




Level of Infrastructure

Component

- Artifacts
- Configuration
- Libraries



Provision

- PXE/Image
- RPMs
- Puppet

Some **Effects**

UserMessaging-Server								
UserMessaging-Server-BuildAndPackage Label: 5.2.2 88 Compars Changes Triggered by changes 15 days ago Passed: Analyze	UserMessaging-Server-DeployAndTest-CD Label: 5.2.2 88 Compars Changes Triggered by jenkins 15 days ago Passed: RunContinuousIntegrationTests	UserMessaging-Server-DeployAndTest-QA1 Label: 5.2.2 88 Compars Changes Triggered by mercur 15 days ago Passed: Deploy	UserMessaging-Server-DeployAndTest-SIT Label: 5.2.2 88 Compars Changes Triggered by mercur 15 days ago Passed: RunIntegrationTests	UserMessaging-Server-Deploy-SCRUM Label: 5.2.2 88 Compars Changes Triggered by jenkins 2 days ago Passed: DeployPackage	UserMessaging-Server-Prepare-Release Label: 5.2.2 88 Compars Changes Triggered by mercur 15 days ago Passed: CreateReleaseRequest	UserMessaging-Server-Deploy-PROD Label: 5.2.2 88 Compars Changes Triggered by jenkins 5 days ago Passed: UpdateReleaseRequest	UserMessaging-Server-Deploy-STAGE No historical data	UserMessaging-Deploy-PTE No historical data
DomainEventLogger-Server								
DomainEventLogger-Server-BuildAndPackage Label: 1.1.2 88 Compars Changes Triggered by jenkins 21 days ago Passed: Analyze	DomainEventLogger-Server-DeployAndTest-CD Label: 1.1.2 88 Compars Changes Triggered by jenkins 4 days ago Passed: RunContinuousIntegrationTests	DomainEventLogger-Server-DeployAndTest-SIT Label: 1.1.2 88 Compars Changes Triggered by jenkins 5 days ago Passed: RunIntegrationTests	DomainEventLogger-Server-Deploy-SCRUM Label: 1.1.2 88 Compars Changes Triggered by jenkins 21 days ago Passed: DeployPackage	DomainEventLogger-Server-Deploy-QA1 Label: 1.1.2 88 Compars Changes Triggered by jenkins 20 days ago Passed: Deploy	DomainEventLogger-Server-Deploy-PTE Label: 1.1.2 88 Compars Changes Triggered by jenkins 20 days ago Passed: Deploy	DomainEventLogger-Server-Prepare-Release Label: 1.1.2 88 Compars Changes Triggered by mercur 20 days ago Passed: CreateReleaseRequest	DomainEventLogger-Server-Deploy-PROD Label: 1.1.2 88 Compars Changes Triggered by jenkins 20 days ago Passed: UpdateReleaseRequest	DomainEventLogger-Server-Deploy-STAGE No historical data

» Super Server-Deploy-PROD

Label: 1.0.106.9

[Compare](#) | [Changes](#)

(Triggered by patbos 2 days ago)
Passed: UpdateReleaseRequest



Multi functional team



Test automation



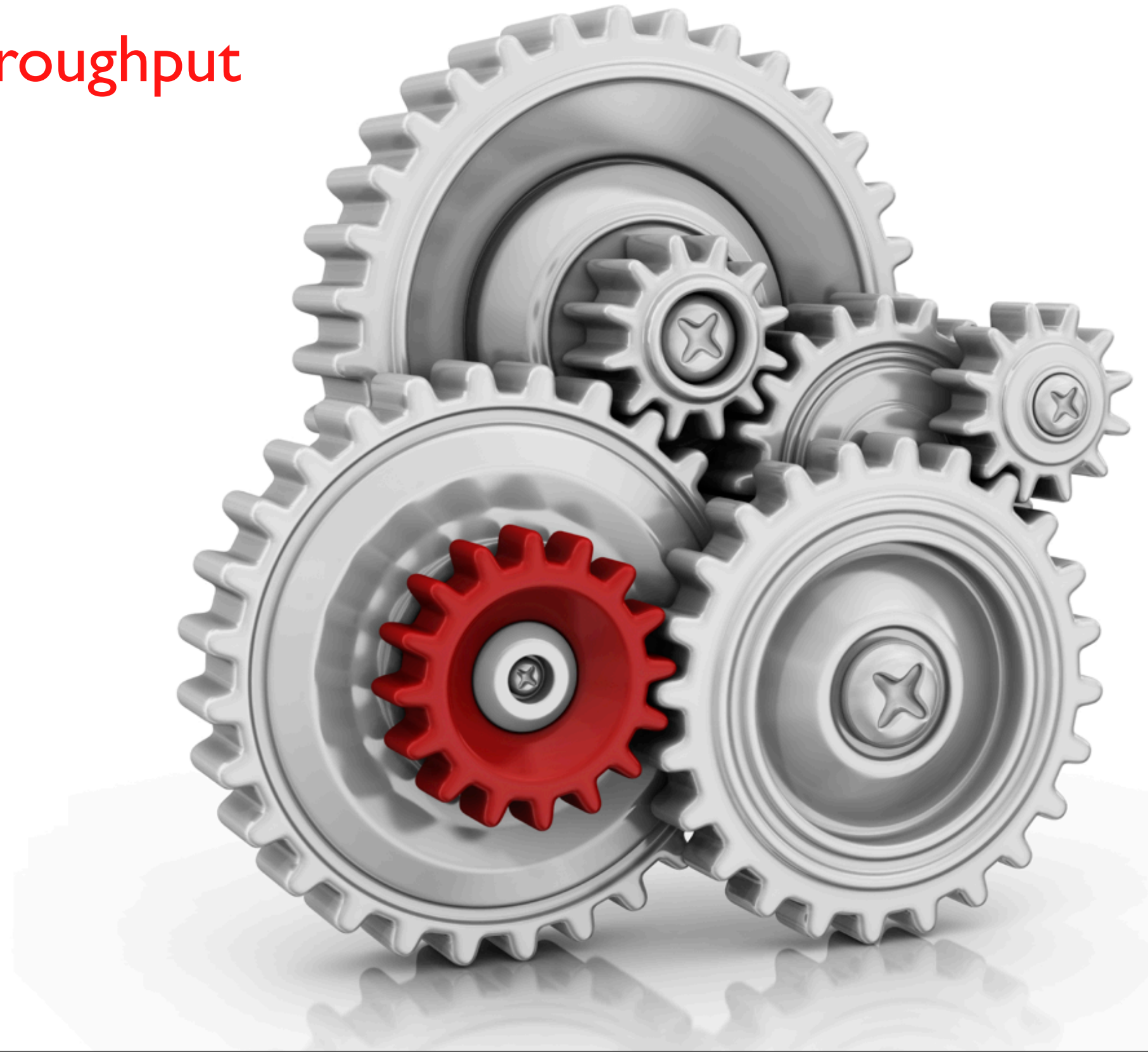
Configuration as code

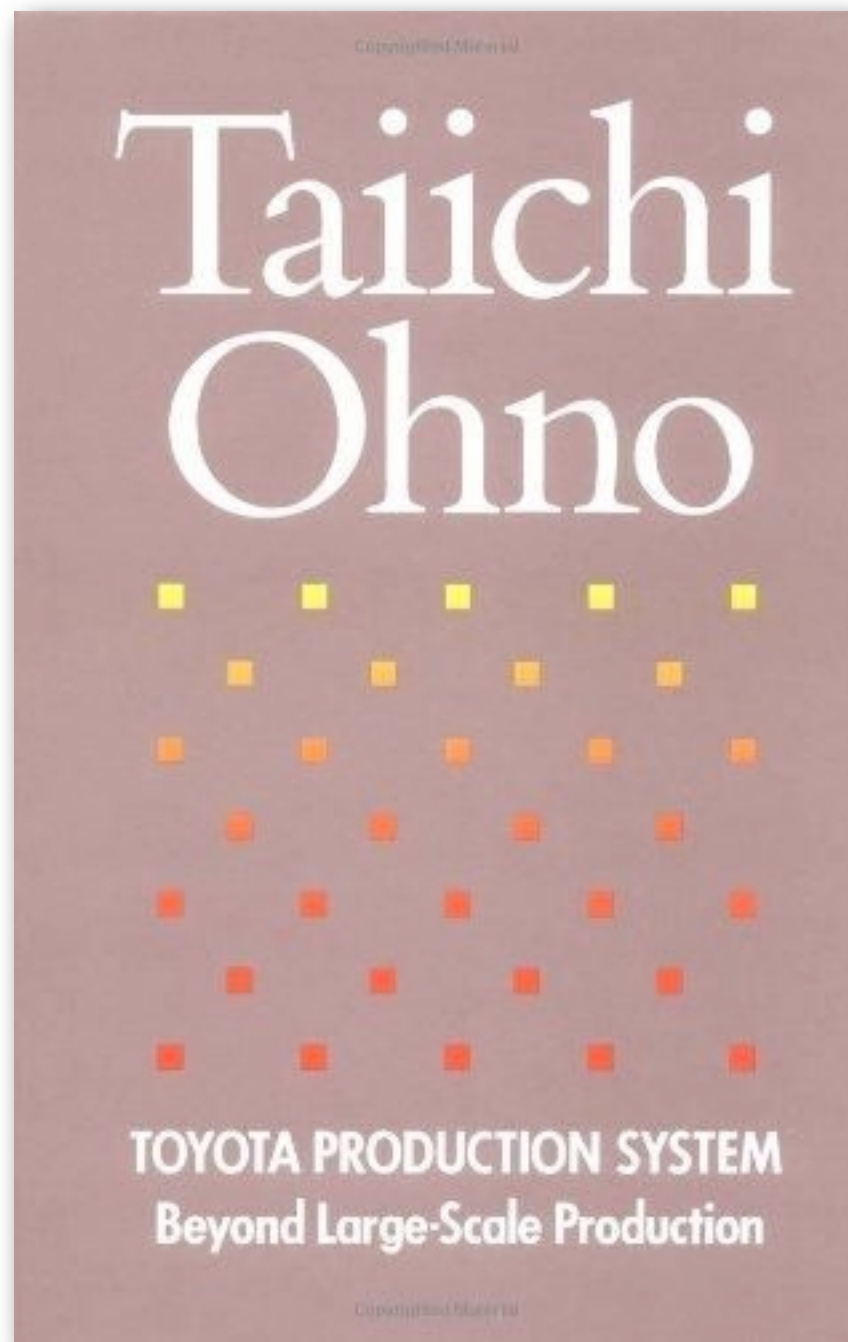


Speed



Cycle time *and* Throughput





A high-contrast, black and white photograph with a splash of color. A hand, seen in silhouette, is pouring a red liquid from a beaker into a conical flask. The flask already contains a green liquid. The scene is set against a bright white background, with the flask resting on a dark, reflective surface. The overall aesthetic is scientific and precise.

The Lean Catalyst for Agile