

Section 8

Where Do I Go From Here?



In this Section, we are going to take a look at...

- Security/Quality engineering
- Compliance
- Sales, marketing, and beyond
- Becoming a learning organization

In this Video, we are going to take a look at...

- More than just Dev and Ops
- Quality engineering
- Security
- QE and Security in software delivery

Quality Engineering

"Cease dependence on inspection to achieve quality. Eliminate the need for inspection on a mass basis by building quality into the product in the first place."

- W. Edwards Deming

Quality Engineering



- Design review
- CD pipeline
- Test design
- Destructive testing

Security

"Security is just an aspect of quality"

- Taher Elgamal
"Father of SSL"

Security



- Design review
- CD pipeline
- Static analysis
- Artifact integrity

New Name?

DevSecQualOps?

Next Video

Compliance

Dave Mangot

Video 8.2

Compliance



In this Video, we are going to take a look at...

- Auditors
- Configuration management
- Separation of duties

Auditors

PCI-DSS

SAS70

Sarbanes-Oxley

FISMA

HIPPA

FedRAMP

Auditors



- Does it meet the standard
- If not, remediation
- Can you prove it

Configuration Management



- Tests
- Reports
- Cryptographically signed CD

Separation of Duties

PCI-DSS

Separation of Duties

"In environments where one individual performs multiple roles (for example application development and implementing updates to production systems), duties should be assigned such that no one individual has end-to-end control of a process without an independent checkpoint."

Payment Card Industry (PCI) Data Security Standard, v3.1, April 2015,
https://www.pcisecuritystandards.org/documents/PCI_DSS_v3-1.pdf

Compliance and DevOps

TIMTOWTDI



Next Video

Sales, Marketing, and Beyond



1x



Browse Q&A

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10:12/10:18

Dave Mangot

Video 8.3

Sales, Marketing, and Beyond



In this Video, we are going to take a look at...

- The first way
- The system of a company
- A new vision of DevOps

The First Way

- The three ways – Gene Kim
 - The First Way emphasizes the performance of the entire system, as opposed to the performance of a specific silo of work or department always seeking to increase flow, and always seeking to achieve profound understanding of the system (as per Deming)

The First Way: Systems Thinking



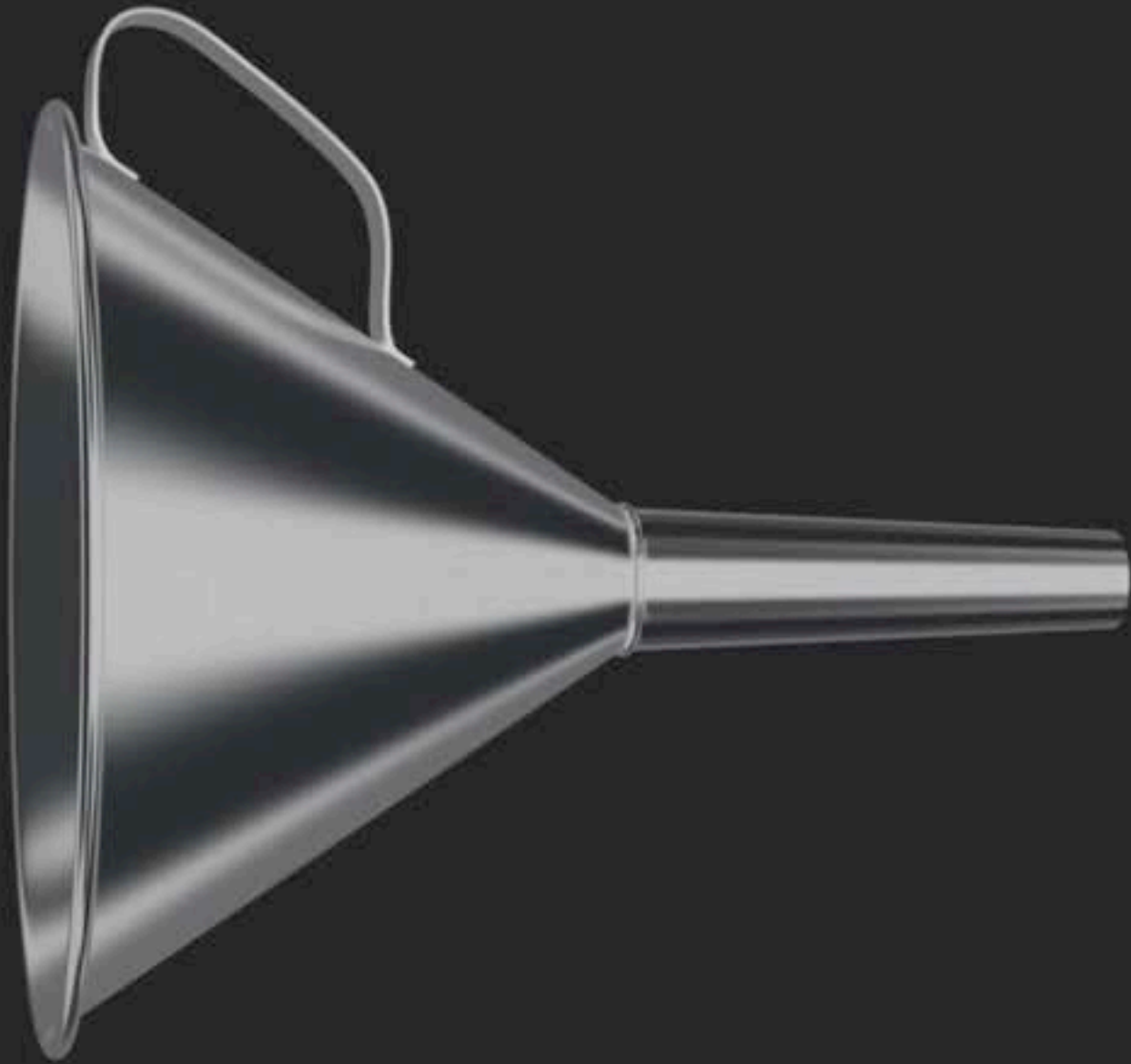
The First Way



The System of a Company

- The usual suspects
 - Dev
 - Ops
 - QE
 - Security

The System of a Company



A New Vision of DevOps





A New Vision of DevOps



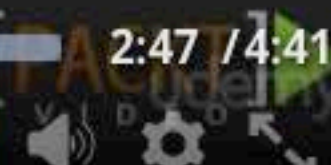
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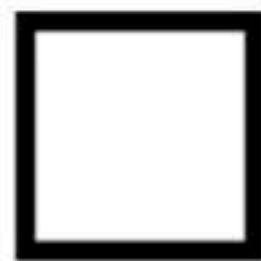
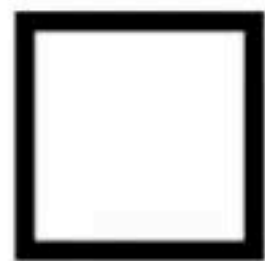


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A New Vision of DevOps



A New Vision of DevOps



A New Vision of DevOps

**Seth Walker**
@sethwalker

Follow

Who is in charge of DevOps?



Quick Question  

**Jerry** 

8:57 PM (16 hours ago)



to seth 

Hi Seth,

I'm sorry to bother you, could you please point me in the direction of the person in charge of DevOps?

Jerry

Director of Business Development



**Seth Walker** <seth@etsy.com>

12:59 PM (0 minutes ago)



to Jerry 

Hi Jerry,

We're all in charge of DevOps.



RETWEETS

282

FAVORITES

214



10:19 AM - 17 Oct 2014

Next Video

Becoming a Learning Organization

Dave Mangot

Video 8.4

Becoming a Learning Organization



In this Video, we are going to take a look at...

- What is a learning organization
- Further resources

A Learning Organization

"You are either building a learning organization or you will be losing to someone who is."

Andrew Clay Shafer
@littleidea

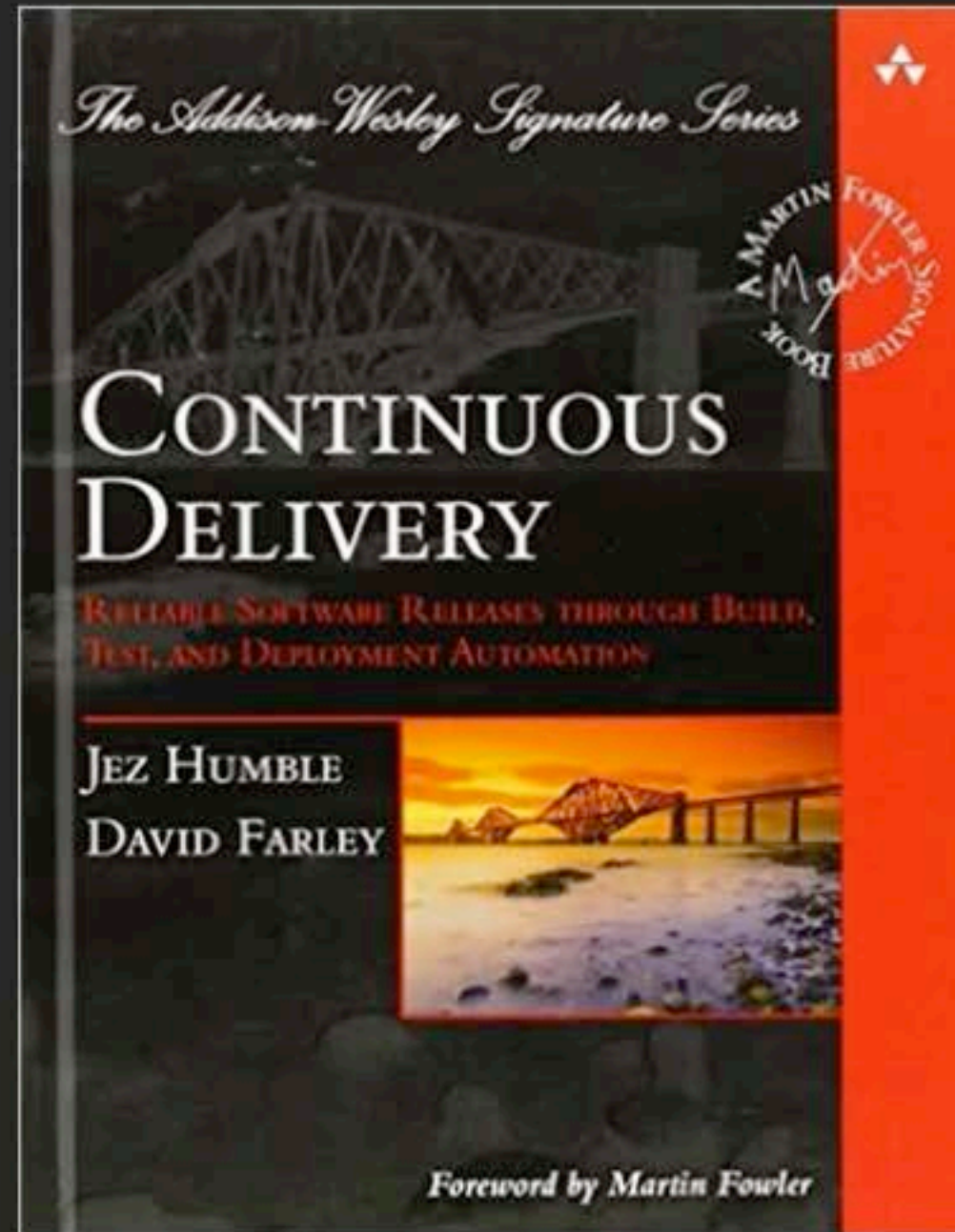
A Learning Organization

- Systems thinking
- Personal mastery
- Mental models
- Shared vision
- Team learning

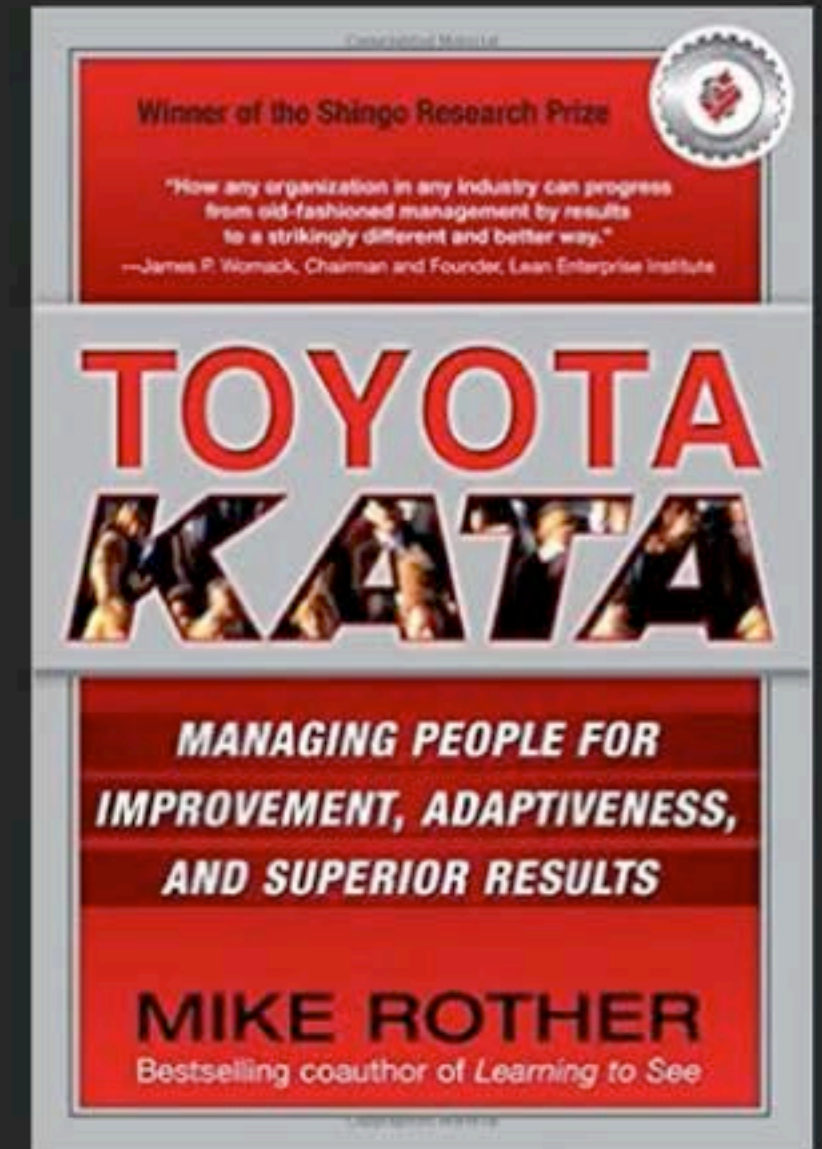
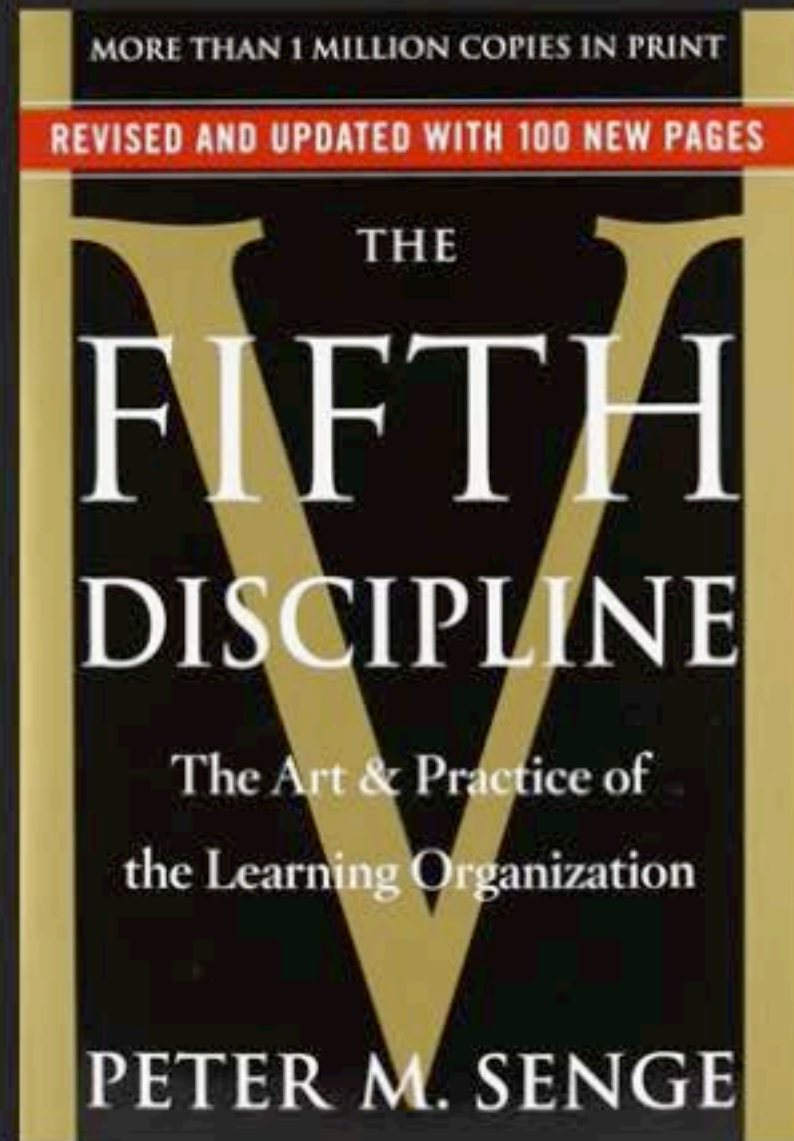
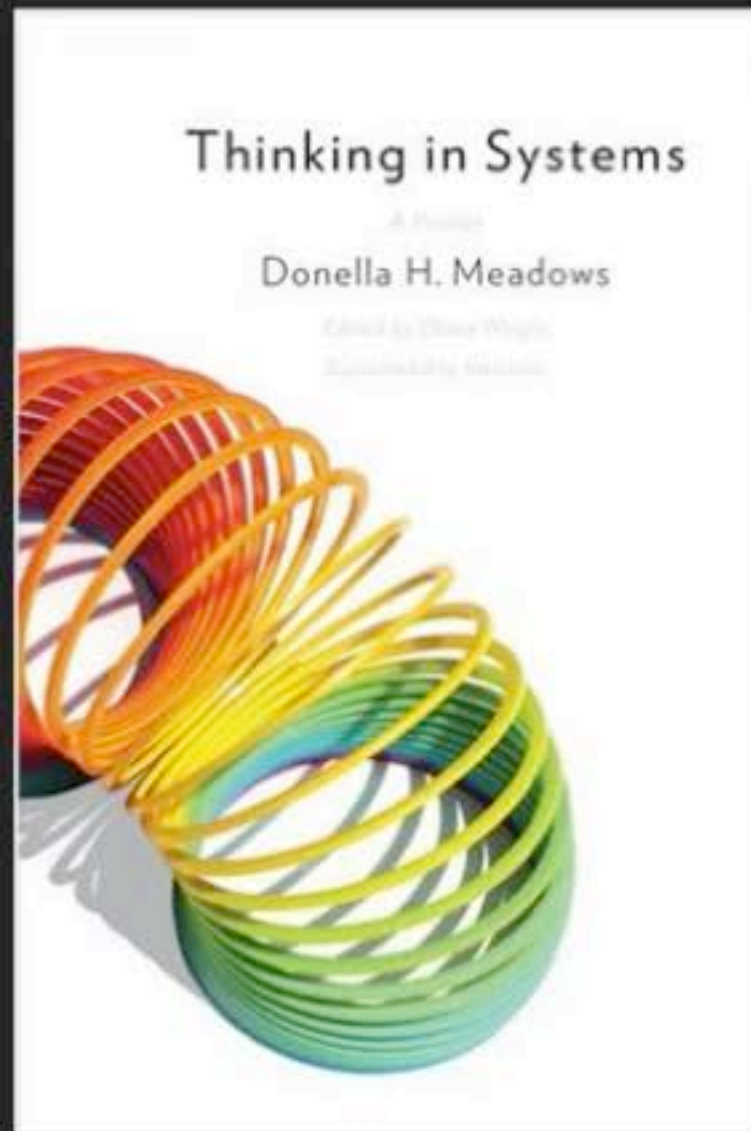
DevOps



Continuous Delivery



Systems Thinking



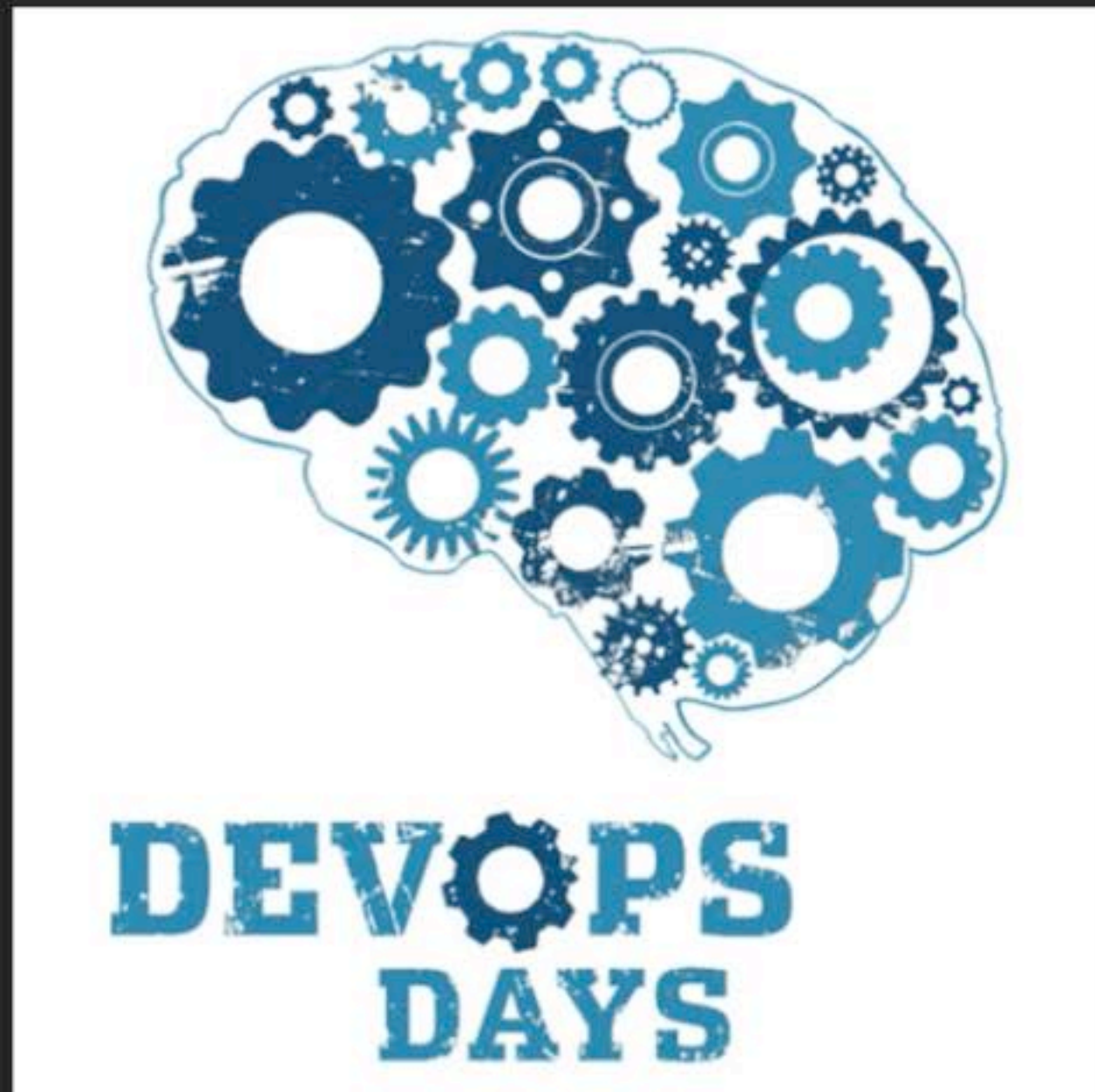
Learning Organization

DevOps *Cafe*

Podcast with John Willis & Damon Edwards

<http://www.devopsweekly.com>

Get Involved



Summary

- Security/Quality engineering
- Compliance
- Sales, marketing, and beyond
- Became a learning organization

Course Summary

- The 3 ways of DevOps
- Culture
- Automation
- Measurement
- Sharing
- The next step

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Credits



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