



DevOps for Defense

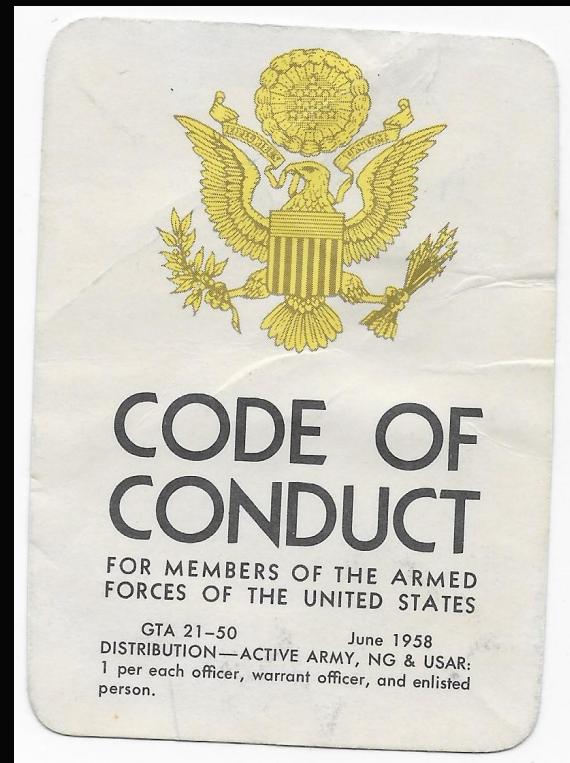
November 2018
DevOps Enterprise Summit
Conference Report

JD Black
Alana Gipson

<https://www.meetup.com/DevOps-for-Defense/>
<https://github.com/jondavid-black/DevOpsForDefense>
devopsfordefense@gmail.com

DevOps for Defense Meetup: Code of Conduct

- UNCLASSIFIED ONLY!!!!
- Treat each other with respect and professionalism.
- Do not talk about private, sensitive, or proprietary work.
- Do talk about your experiences, needs, desires to improve work in our domain.
- Do share your thoughts.
- Do learn from others.
- Do respect & tip your bartenders!



OCTOBER 22 – 24, 2018

**DEVOPS
ENTERPRISE
SUMMIT**

**“Get Together, Go
Faster”**



Free DOES 2018 Resources

The Videos

https://www.youtube.com/channel/UCkAQCw5_sIZmj2IkSrNy00A/videos

The Slides

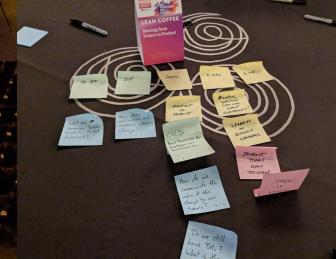
<https://bit.ly/DOES18-git> (GitHub)

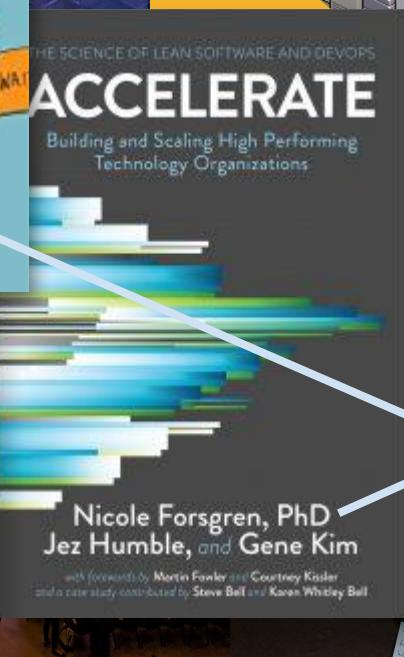
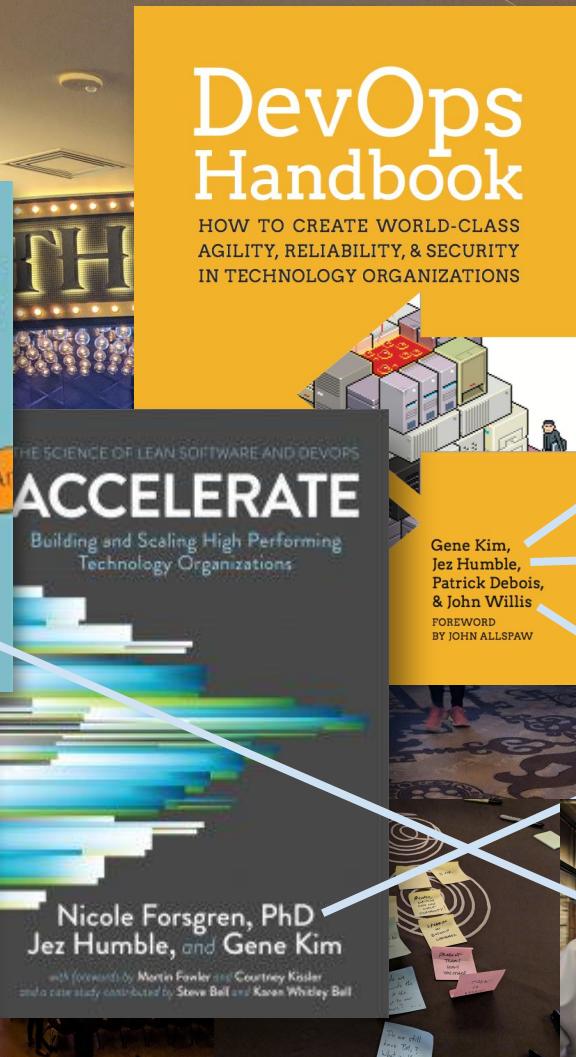
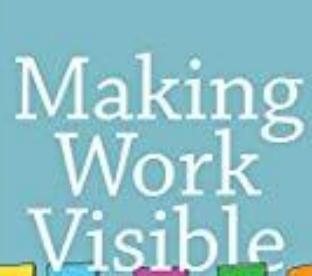
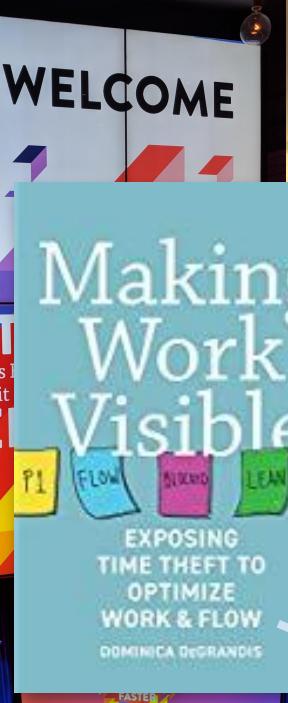
<https://bit.ly/DOES18DB> (DropBox)

The Research

<https://puppet.com/resources/whitepaper/state-of-devops-report>

<https://itrevolution.com/forum-papers/>







JD's DOES 2018 Las Vegas “Best of the Best”

Context: [Day 3 Opening Remarks, Gene Kim](#)

Day 1: [Understanding Job Burnout, Dr. Christina Maslach](#)

Day 2: [Bank on Open Source for DevOps Success, Capital One](#)

Day 3: [Fireside Chat with Compuware CEO Chris O'Malley](#)



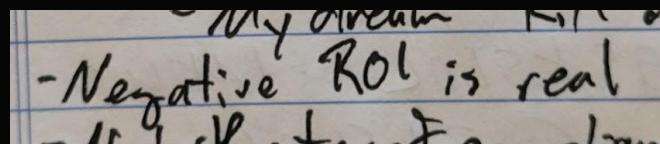
Honorable Mentions:

- [How Finding and Fixing Faults is the Path to Perfection - Steven Spear](#)
- [Digital Transformation: Thriving Through the Transition - Jeffrey Snover, Microsoft](#)
- [Breaking Bad Leadership: The Anti Heroes of DevOps - KeyBank](#)
- [Operations: The Last Mile - Damon Edwards](#)



Alana's DOES 2018 Perspective: "Best of the Rest"

Day 1: [Nike: Build a Bigger Team Anne Bradley and Courtney Kissler](#)



DevOps @ Lloyds Banking Group, Episode V, Cyber Strikes Back Mark Howell

- Establish a core set of individuals with knowledge, then spread out
- Pick hard things, provide tooling, create awareness, tell people and bring them along

- It's a multi-year journey
- Change is hard (the backwards bicycle)
- Ask for help, you will need it
- Get a great exec sponsor
- Invest in a comms campaign to build awareness of what you are doing, and promote the good news as often as you can
- We aren't done, we've come a long way but we have a long way to go...
- Create a movement, enthusiasm is infectious !!!



Alana's DOES 2018 Perspective: "Best of the Rest"

Day 2: Adversary Driven Defense in the Real World James Wickett and Shannon Leitz

- You can't secure New App Tech with Legacy App Sec
- DevSecOps Handbook is coming 2019!!!!



Concept of Scenius

Scenius

- Despite heroic mythology, lone geniuses do not drive most scientific, cultural, business, or policy advances. Breakthroughs typically emerge from a scene: an exceptionally productive community of practice that develops novel epistemic norms. Major innovation may indeed take a genius—but the genius is created in part by a scenius.
- “Scenius” stands for the intelligence and the intuition of a whole cultural scene. It is the communal form of the concept of the genius.
- Individuals immersed in a scenius will blossom and produce their best work. When buoyed by scenius, you act like genius. Your like-minded peers, and the entire environment inspire you.

Source: <https://meaningness.com/metablog/upgrade-your-cargo-cult>

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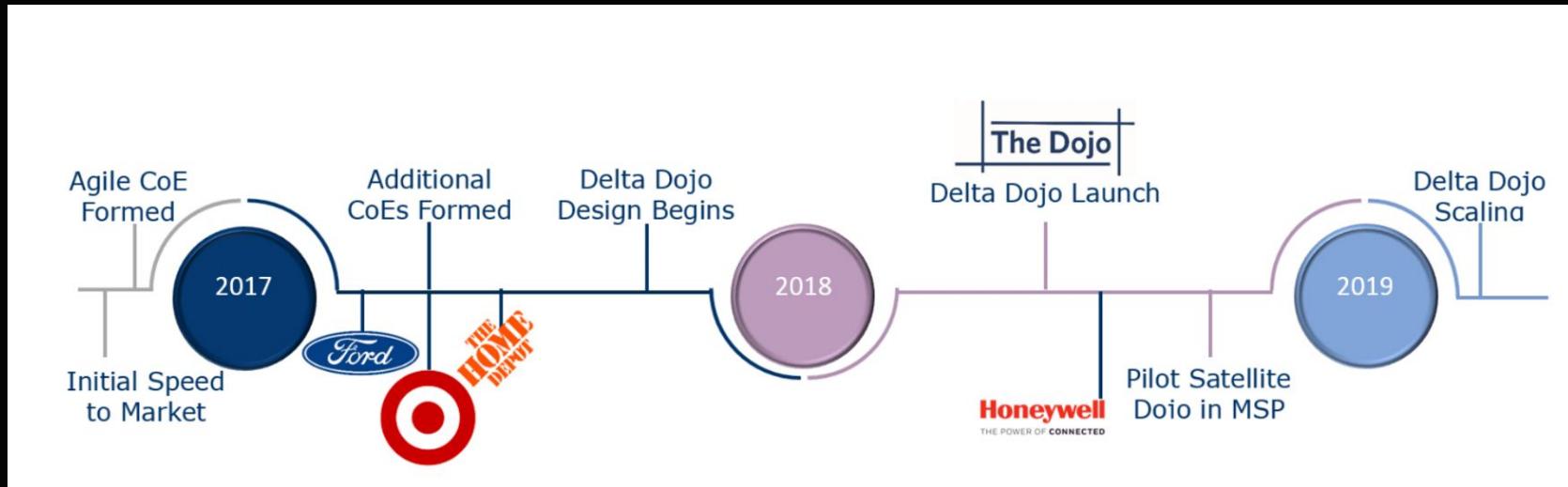
Andrew Shafer - “Transformation is the progressive accumulation of habits.”

And

Alana's DOES 2018 Perspective: “Best of the Rest”

Day 3: The Delta Air Lines Dojo Journey

- Just when you think you have it, you don't...but keep fighting
- All teams are different, be ready to adapt



Alana's DOES 2018 Perspective: Most Importantly

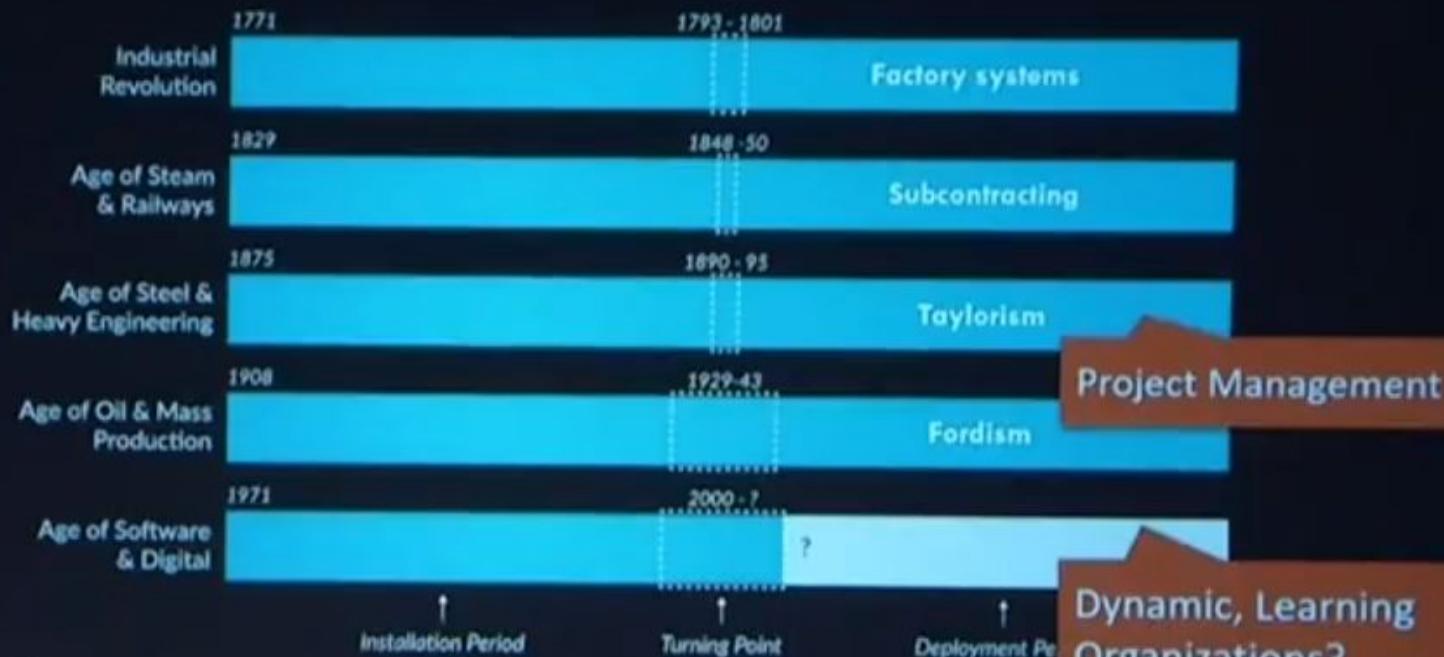


What We Learned

11 DOES 18 Day 1

- "Every org is a SW org" - Gene Kim

Technological Revolutions



- What do you believe in? Is it what happened in the past or what will define the future?

Date

TASKTOP

What We Learned

Microsoft

- "Fair jobs vs. Growth jobs"
- Don't be "excellent at something that no longer matters"
- Stop dialing it in - Invest in your career

Disney

- Reduce "toil", the burdens on the team, w/ engineering
- "T shaped" teams
- "Create paved roads"

Massachusetts Institute of Technology

Key Points:

- Knowing how to get smarter, faster matters a lot.
- Smarter faster means finding fault early and often.
- Easier said than done.

- "Outlearn the competition"

Capital One

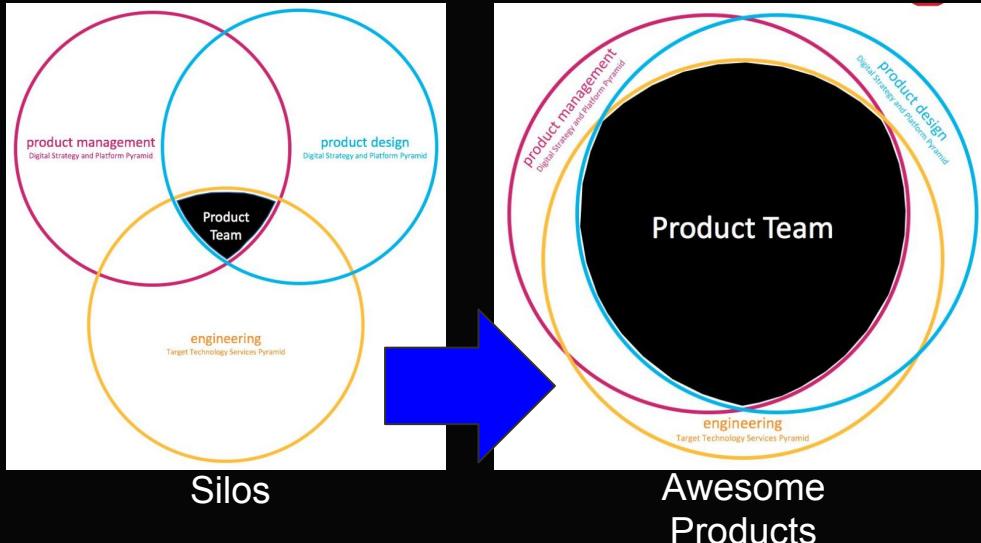
- Do not automate a bad process
- Ask teams - what upskill do you need?

Nationwide

- Polyskilling - I like this term
- Book clubs drive culture !!!

What We Learned - Project to Product

Target



Disney

Disney uses Product / No Project approach

- It isn't about technology, it's about creating the experience. If the user sees the technology you're doing it wrong.
- How does this apply to our Warfighter?

Capital One's 6 Year Journey



Mik Kersten

- Project Managers & Cost centers are the completely wrong model
- Don't assume you have a high degree of certainty w/ what will happen in a year
- We must master the new means of production
- This chart is a winner

What's Next?

MG... So much to do! #jfdi

Date

II DOES 18 - Next Steps



Less
DVDs

More
Books

Doubling Down on the DevOps for Defense Community



Tuesday, 13 November 2018

<https://www.devopsdays.org/>

Chattanooga Convention Center

Registration: \$62.49

Join Me - Take a Vacation Day
for DevOps!

Doubling Down on the DevOps for Defense Community



A screenshot of a Stack Overflow search result. The title is "Jenkins Pipeline Utility Steps - zip zipFile". The snippet reads: "I am trying to zip the folders which are created as output of my jenkins pipeline job using pipeline script. By googling i came to know the Jenkins Pipeline Utility Steps - zip zipFile". Below the snippet is a link: "<https://jenkins.io/doc/pipeline/steps/pipeline-utility-steps/#code-zip-code-create-zip-file> to zip folders/files but could not get exact pipeline syntax to zip." The snippet continues: "In my job workspace, I have a folder by name 'Test' which has 2 sub folders as 'Test1', 'Test2'. Each sub folder will have dll files. So, I would like to zip entire 'Test' folder with all subfolder." A code block follows:

```
node(Jenkins_1)
{
    echo "ZIP"
    zip zipFile: 'Test.zip', dir:'C:\\workspace\\Build_Sample\\Test'
    echo "END - ZIP"
}
```

Below are the Console Output from Jenkins:

```
Started by user XXXXX
[Pipeline] node
Running on Jenkins_1 in C:\\workspace\\Build_Sample
[Pipeline] {
[Pipeline] echo
ZIP
[Pipeline] echo
END - ZIP
[Pipeline] }
[Pipeline] // node
[Pipeline] // of Pipeline
Finished: SUCCESS
```

December 6, 2018
@ DevOps for Defense Meetup



Lou Manglass
Customer Success Engineer
<https://stackoverflow.com/>

Info & Stats:

- Launched 15 Sept 2008
- Created to be a more open alternative to sites such as Experts-Exchange
- Over 9 Million Registered Users
- Over 16 Million Questions Answered

Doubling Down on the DevOps for Defense Community

Speakers for 2019 Meetups



John Willis

(<https://itrevolution.com/faculty/john-willis/>)

Coauthor of DevOps Handbook

Former Director of Ecosystem Development @ Docker
Leader in DevSecOps Community



GitHub

(<https://github.com/>)

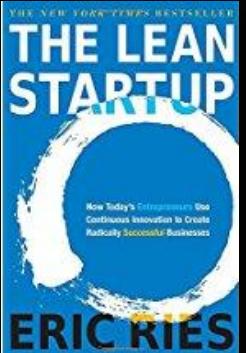
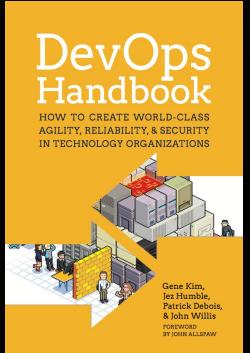
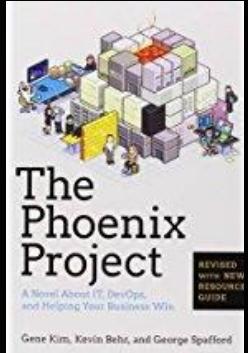
The Largest Host of Source Code in the World

57 Million Repositories

40 Million Users

DevOps Resources

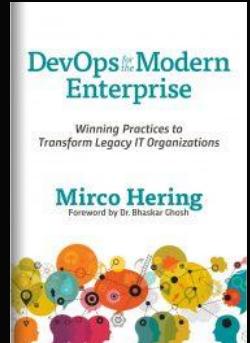
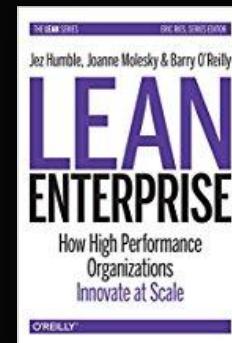
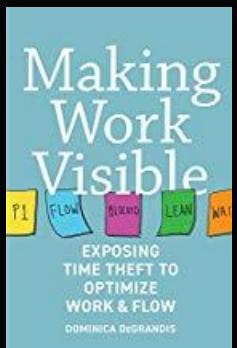
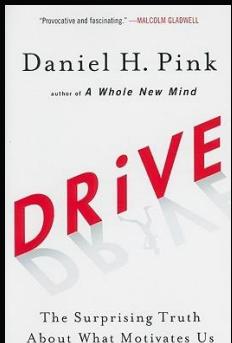
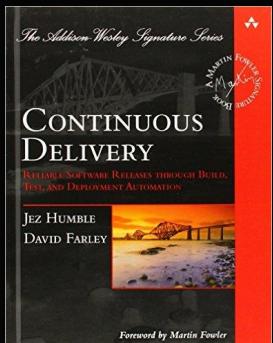
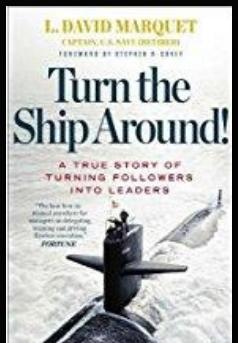
Books / Publications:



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<https://github.com/jondavid-black/DevOpsForDefense>
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Conference Presentations (YouTube):

- DevOps Enterprise Summit (DOES)
- IT Revolution
- Velocity
- GoTo



Group Exercise: Lean Coffee

1. Each table has a facilitator.
2. The facilitator has a short introduction.
3. Everyone write down questions or topics for discussion on the subject. Place them in the middle of the table.
4. The group votes on each question or topic by placing a dot on the card. 3 votes per person.
5. Cards with most dots goes first. Set a timer for 5 minutes and discuss.
6. After 5 minutes, either vote (thumbs up/down) to keep going or move on to the next card.



Topics: “Outlearn the Competition”, “Project to Product”, and “Free for All”