

Agile @ CollabraSpace

The logo features the word "Agile" in a green sans-serif font, followed by an "@" symbol. The "@" symbol is replaced by a circular arrangement of four curved arrows pointing clockwise, colored orange, blue, green, and purple. Below this, the word "CollabraSpace" is written in a black sans-serif font.

Agile DevOps

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SPC4, CSM, CSPO, CSP-SM, CSP-PO

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Leah Burman

- SPC4, CSM, CSPO, CSP-SM, CSP-PO
- 10+ years agile experience
- Java software developer, now Agile coach
- Coached agile transitions ranging from a single team to over 29 teams
- Northrop Grumman Agile Center of Excellence enterprise agile coach
- TS/SCI with lifestyle poly
- DOD, intelligence, federal, and other customers



World of Agile

SCALED AGILE



PRACTICES

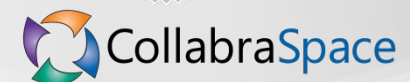
- Scrum
- Kanban
- **DevOps**
- **Continuous Integration**
- **Continuous Deployment**
- Planning Poker
- Stories
- Story Point Estimation
- Daily standups

YOU ARE HERE

CERTIFICATIONS



ORGANIZATIONS



Agile Values and principles

AGILE MANIFESTO

- 2001
- Jeff Sutherland, Ken Schwaber and 15 others
- <http://agilemanifesto.org/>

Iterative, adaptive process built on self-managing teams empowered to embody the principles and values in the Agile manifesto.

OVER

Individuals & Interactions
Working Software
Customer Collaboration
Responding to Change

Processes & Tools
Comprehensive Documentation
Contract Negotiation
Following a Plan

Questioning DevOps, or is it DevSecOps, or SecDevOps?

What is DevOps?



DevOps (a clipped compound of "development" and "operations") is a software development methodology that combines software development (Dev) with information technology operations (Ops). The goal of DevOps is to shorten the systems development life cycle while delivering features, fixes, and updates frequently in close alignment with business objectives. It is a set of practices intended to reduce the time between committing a change to a system and the change being placed into normal production, while ensuring high quality

-Wikipedia

Why DevOps?

Time to Market

440x Faster Lead Time

Faster Recovery

24X faster Recovery

Employee Retention

2.2x Improved employee Net Promoter score

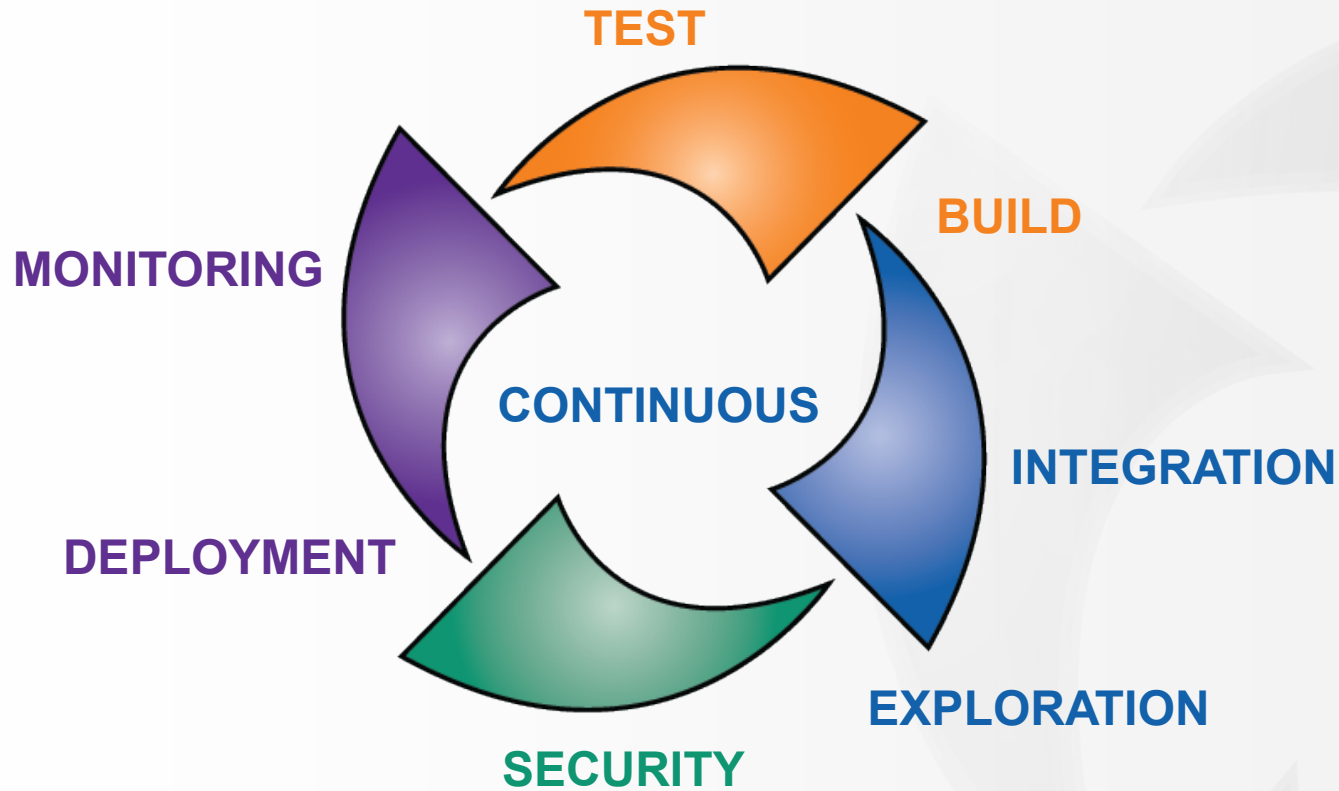
Higher Quality

96x Fewer Defects

Lower Costs

2x Less time spent fixing security issues
29% more time spent on new work

Continuous ... Everything?

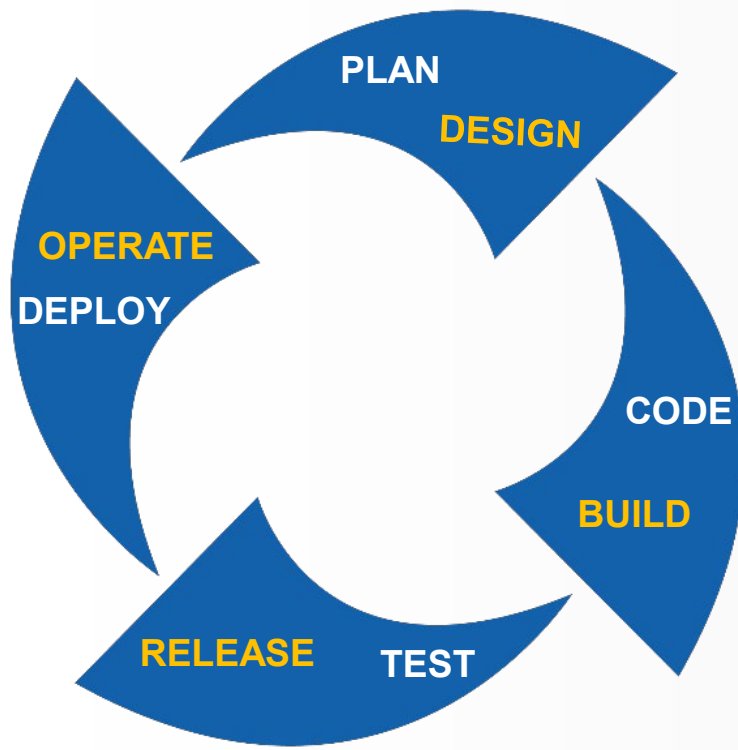


If it Hurts, Do it More Often

Case Study- Bing: Continuous Delivery

<https://www.youtube.com/watch?v=3sFT7tgyEQk>

How do I get there from here?



Top Two Priorities

- Automated Testing
- Continuous Integration
- Value Stream Analysis
- Root Cause Analysis

Iterative small steps

- Use your backlogs
- Scrum of scrums team
- Team Retrospectives
- Program Retrospectives

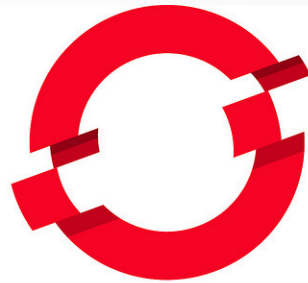
OK, But How?

Practices to Enable DevOps Success

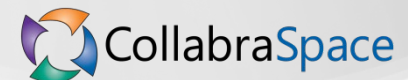
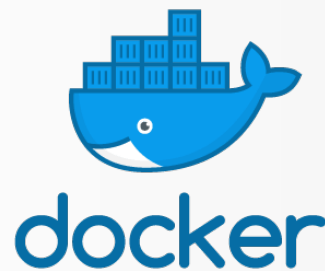
- Canary Releases
- Feature Toggles
- Containers
- Version Control
- Dark Launches
- Selective Deployment
- Blue/Green Deployment
- Self Sabotage
- Cross Team Collaboration
- Release on Demand

OK, But How? Really

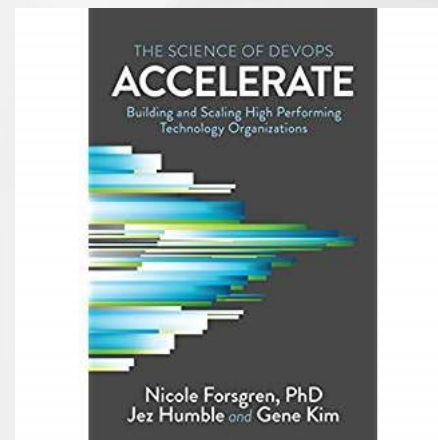
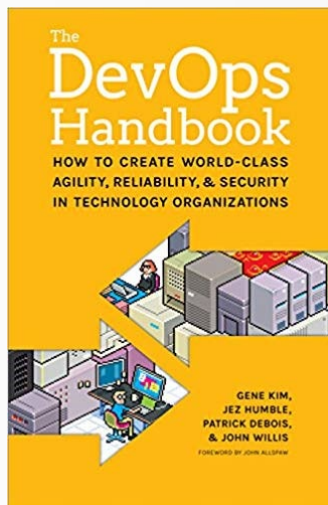
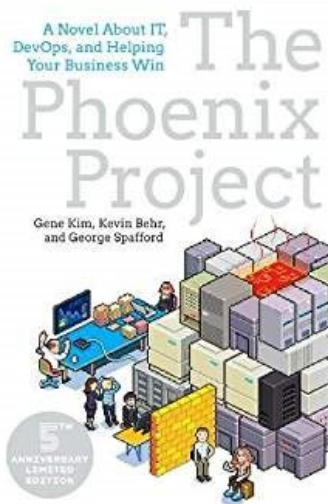
Tools to Enable DevOps Success



OPENSIFT[®]
ENTERPRISE
by Red Hat[®]



Recommended Reading

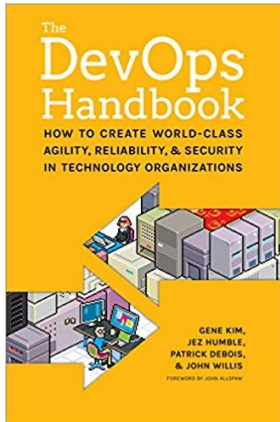


Questions?



QUESTIONS?

Agile Tech Talks



- **Agile DevOps**
 - January 11 12:30-1:30
- **Agile DevOps Tools**
 - February 8 12:30-1:30
- **Book Club: The Dev Ops Handbook**
 - March 15 12:30-1:30

Previous Topics Include:

- Lessons Learned Scaling Agile
- Agile Roles & Responsibilities
- Scrum Master Tips and Tricks
- Intro to Agile

View them at:

www.collabraspace.com/agile
agile@collabraspace.com

Agile Training and Certification



Feb 26-March 1
8:30am-12:30pm daily

SAFe Scrum Masters help Agile Teams to deliver the maximum business value that is achievable through SAFe. Learn to facilitate Team and Program Level events for successful program execution, explore Scrum in the context of the entire enterprise, and become a servant leader and coach.



March 25-26
9am-5pm

SAFe DevOps provides a comprehensive overview for understanding the DevOps competencies needed to accelerate time-to-market by improving the flow of value through the Continuous Delivery Pipeline.

Women In Agile MidAtlantic



Women in Agile is a collective effort to network, promote, and support the work of outstanding women in the agile community through blogging, speaking, and building a network among women and allies.

www.WomenInAgile.ORG

[#WomenInAgile](https://www.meetup.com/Women-In-Agile-Mid-Atlantic/)

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