DevOps4PLM

Dr. David Votaw – Automation Wizard

- **Software developer for 16 years – C# and Visual Studio are my weapons**
- **Doctorate Computer Science (DCS) in Information Assurance**
    - **DevOps was my main driver for research – Dissertation Link**
- **Coined the term Automation Wizard, why not have fun with it?**

Del Mar Dog Beach 2021

Falsely
Reporting
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FRAGILE teams will fail to embrace a DevOps culture

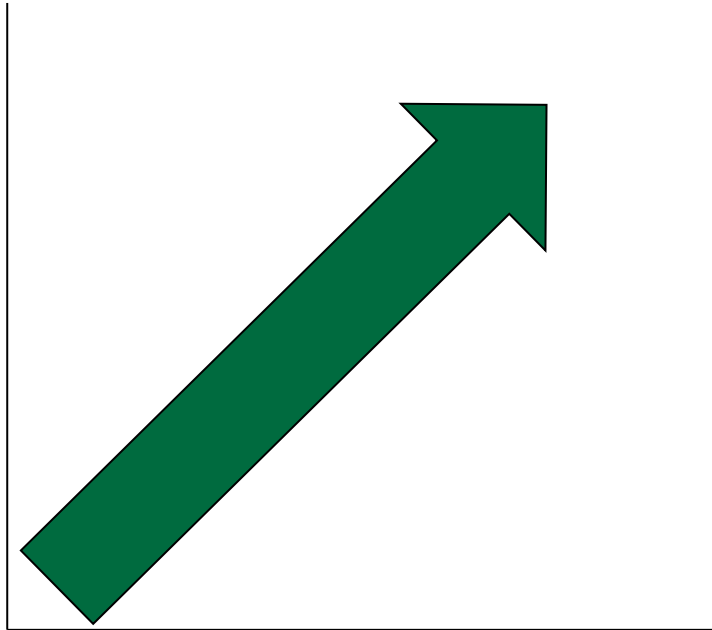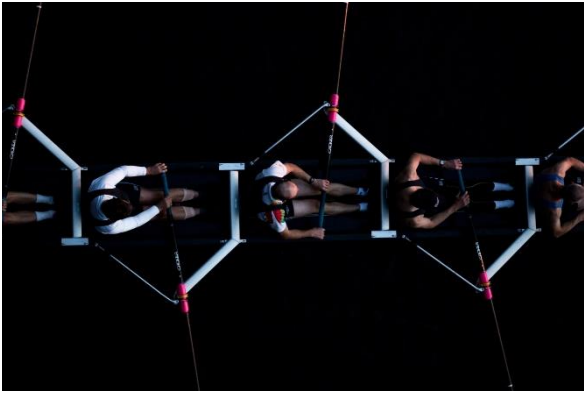"DevOps is hard and most will fail." – David Votaw

Sections

- **Benefits**
- **Culture**
- **Risk**
- **Best Practices**
- **Azure DevOps (AzDO)**
- **Benefits Realized**
- **Questions**
- **Links**

All images are referenced on the Links slide

- ## Collaboration

- ## Communication

- **Innovation**
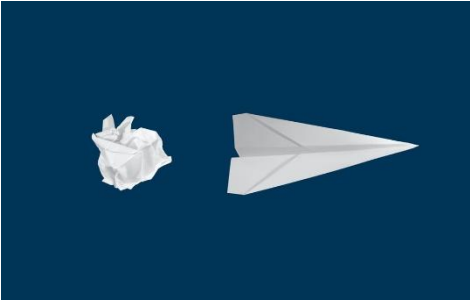
- **Speed**

Moving at the speed of relevance

- **Everyone wants to take advantage of the plentiful benefits, but are fundamentally lacking the ability to do so.**

"DO or DO NOT, There is no try!"

JUST TAKE MY MONEY
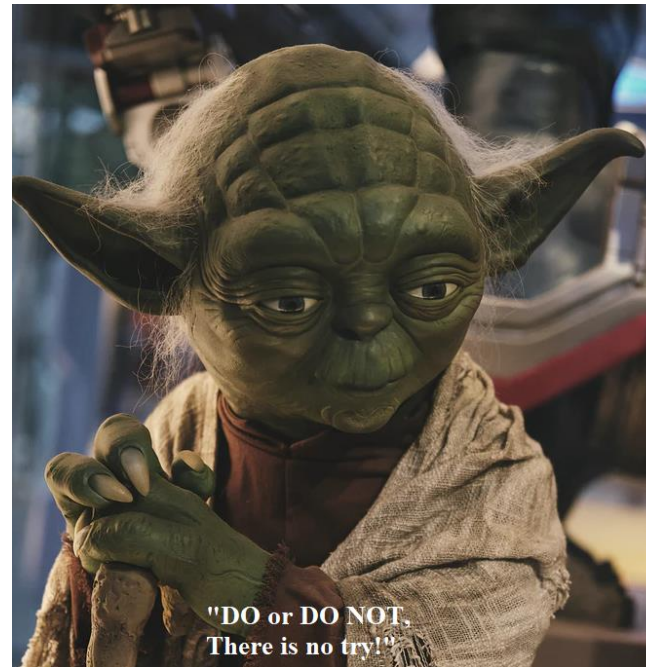
Development and Operations (DevOps), also known as, DevSecOps, and Dev*Ops.
DevOps has always had security and the automation of everything tightly within its grasp and context.

- Test your code

- Scan your code

- Secure your code
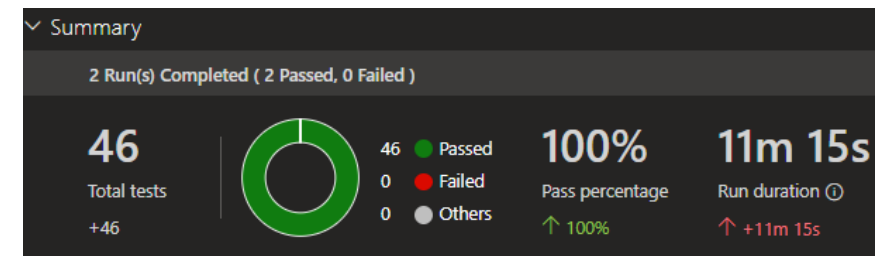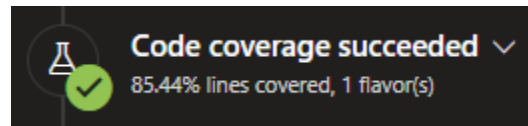
Don't allow stinky code to progress, stop it in development.
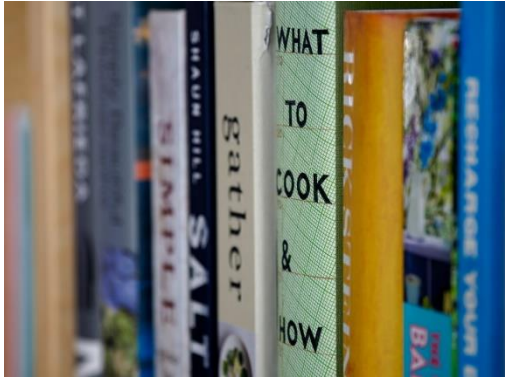
- Standards
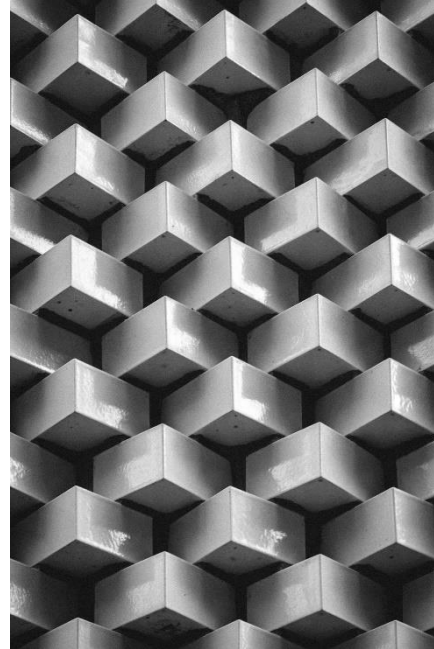
- Repeatability

- Guidelines

- **Git**

  - Branch Policies
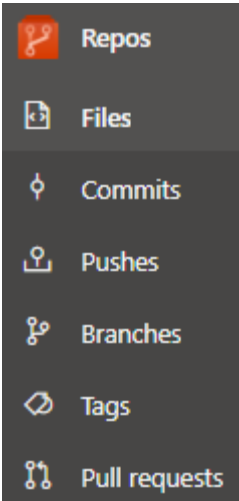
  Branch will be locked

Azure DevOps

Repos
Files
Commits
Pushes
Branches
Tags
Pull requests

- **Pull Requests**

Main Trunk

12345-user_story_name

Pull Request (PR)
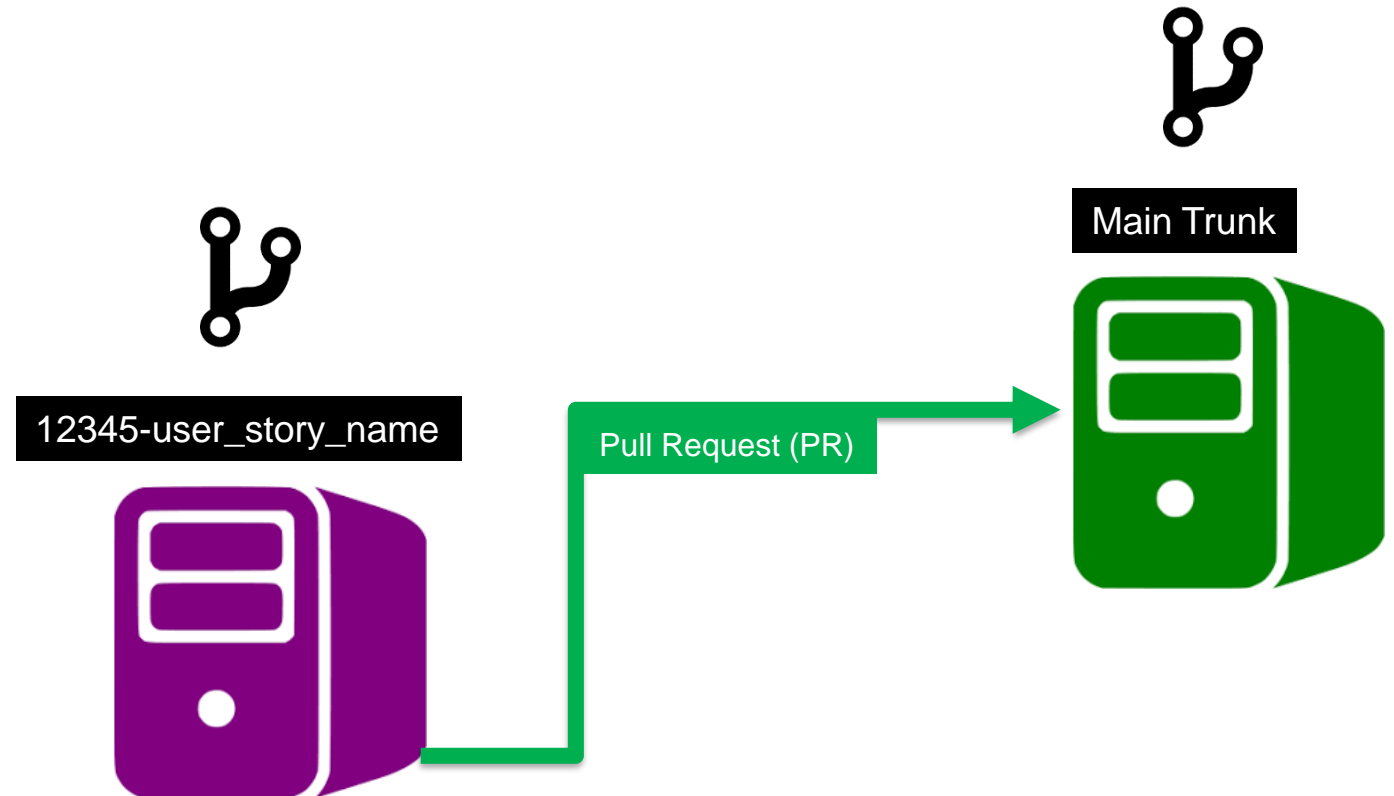
Azure DevOps (AzDO) - Part 2

- **Build Pipelines**
- **Release Pipelines**
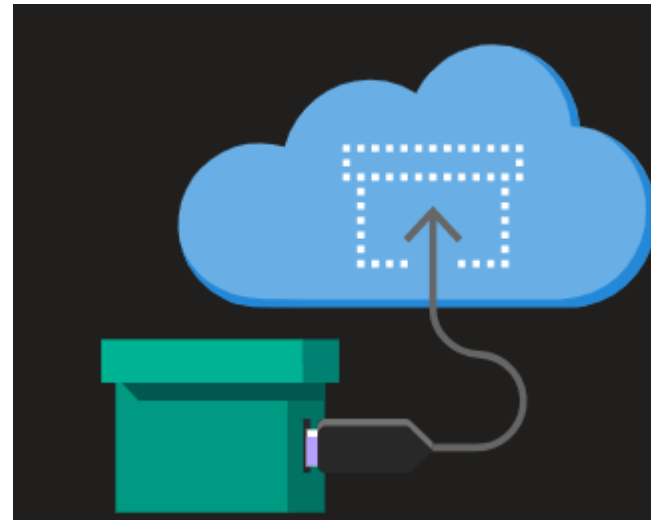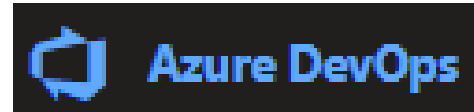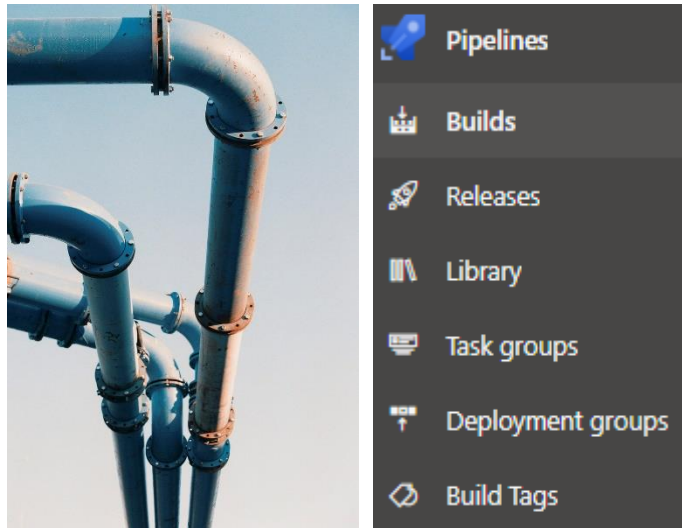
- Artifacts

- Notifications
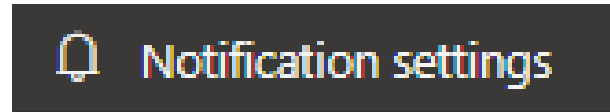
Benefits Realized

DevOps is an enabler for an increased and continuous: *

Delivery

Security

Quality

Testing

Feedback

Innovation

Collaboration

Communication
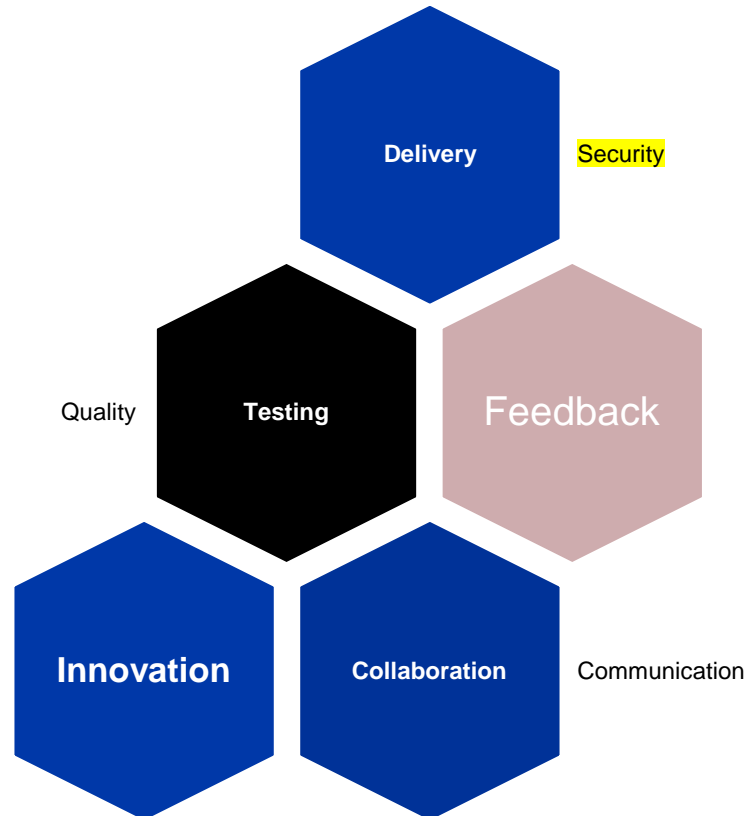
Automate Everything!!

Quality Gate
Passed

Happy People

Questions

Links

- **ADDO – Internal Confluence**
- **Azure DevOps – Internal Azure DevOps**
- **Collaboration - https://unsplash.com/s/photos/collaboration**
- **Cook Book - https://unsplash.com/s/photos/cook-book**
- **Culture - https://unsplash.com/s/photos/mind**
- **DevOps - https://devopedia.org/devops**
- **Dollar Signs - https://unsplash.com/s/photos/dollar-signs**
- **Innovation - https://unsplash.com/s/photos/innovation**
- **iPhone - https://unsplash.com/s/photos/iphone**
- **Notification - https://unsplash.com/s/photos/notification**
- **Outdated - https://unsplash.com/s/photos/outdated**
- **Questions - https://unsplash.com/s/photos/questions**
- **Risk - https://unsplash.com/s/photos/risk**
- **Repeat - https://unsplash.com/s/photos/repeat**
- **SonarQube – Bugs, code smells – internal SonarQube**
- **Speed - https://unsplash.com/s/photos/speed**
- **Standards - https://unsplash.com/s/photos/cookie-cutter**
- **Take my money - https://me.me/i/lol-here-take-my-money-tegen-2-hours-ago-like-13618588**
- **Time - https://unsplash.com/s/photos/save-time**
- **Votaw – These are my pictures**
- **Yoda - https://unsplash.com/s/photos/yoda**