

DevOps for Defense

September 2023

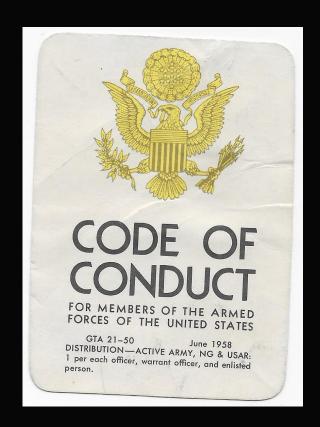
Let there be Tests!

JD Black

https://devopsfordefense.org https://www.meetup.com/DevOps-for-Defense/ https://github.com/jondavid-black/DevOpsForDefense devopsfordefense@gmail.com https://twitter.com/devops4defense

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!



No Meetup in October...DOES Time!



DevOps Enterprise Summit Las Vegas 2023

The Cosmopolitan | October 3-5

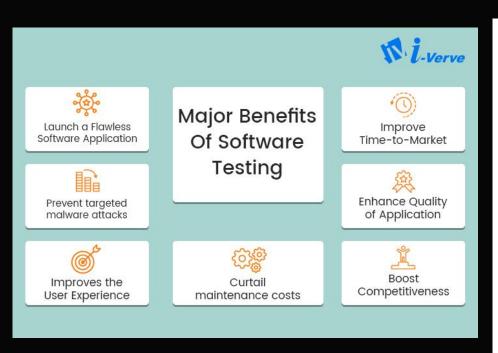
The conference for technology leaders of large, complex organizations.

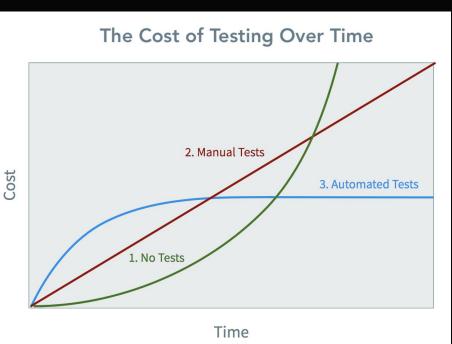


REGISTER

SPONSOR THE EVENT

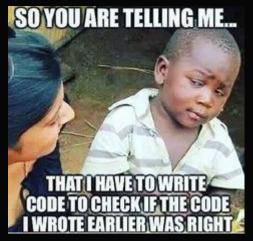
Can we Just Agree...Good Testing Is Important

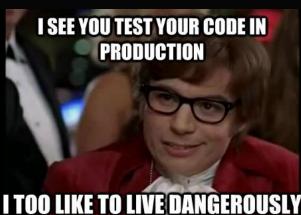


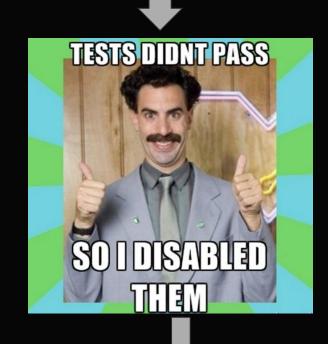


Optimized Legacy Test Process

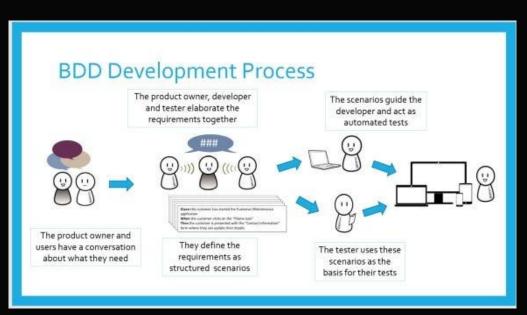








Modern Test Strategies

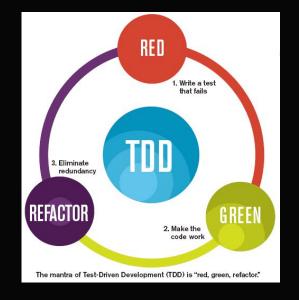


Just start by writing down what good would look like based on what you know today, and update that as you learn.

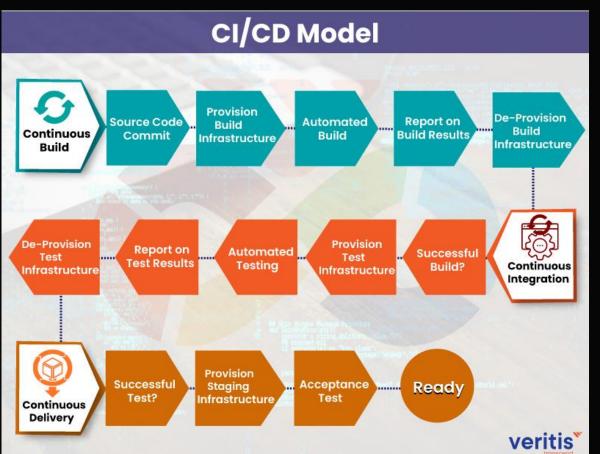
(Acceptance Test Driven Development) ➤ Select User story ➤ Write Acceptance Test ➤ Implement User Story ➤ Run Acceptance Test ➤ (Refactor)

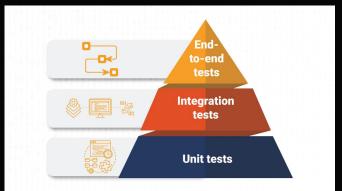
REFACTOR

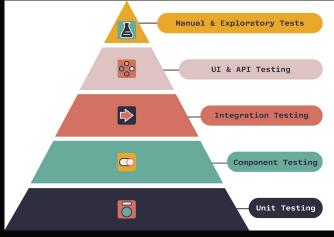
► Get Sign-Off

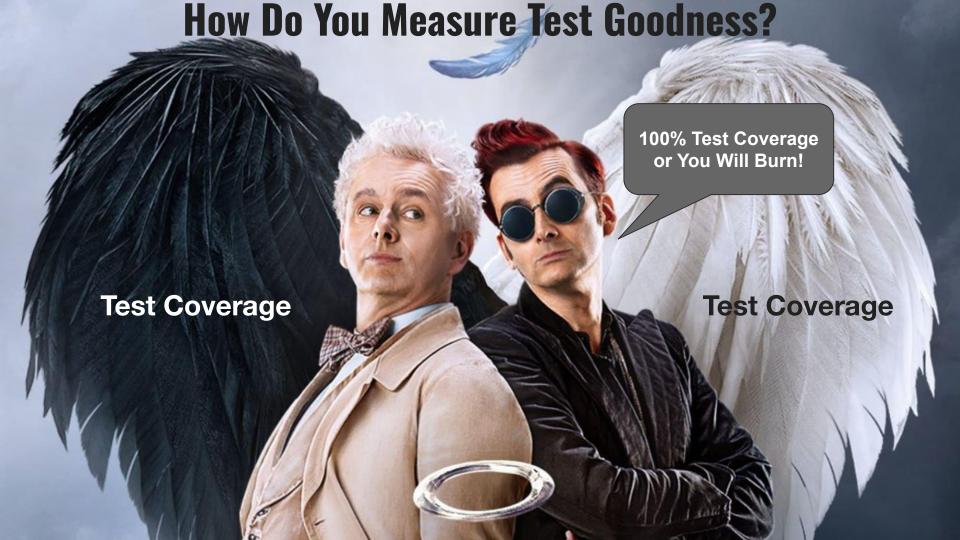


Testing in CI/CD

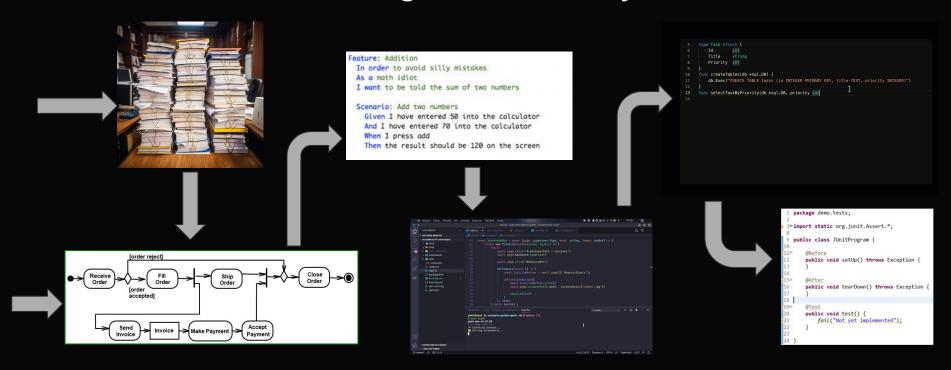








Test Goodness Through Traceability



Requirement / Use Case Coverage:

- Trace from Automated Test to Acceptance Test
 Spec to Use Cases and Requirements
- Use Case / Requirements Coverage Metric
- "Then Count" per Use Case / Requirement

Unit Test Coverage:

- Trace from Automated Unit Test to Code Implementation
- Code Coverage Metric
- Assertion Count / Tested Unit Under Test



DevOps Resources

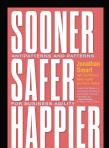
https://devopsfordefense.org/resources/ Books / Publications:











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

Conference Presentations (YouTube):

DevOps Enterprise Summit (DOES)



- Velocity
- GoTo







