CI/CD

The need of the Hour

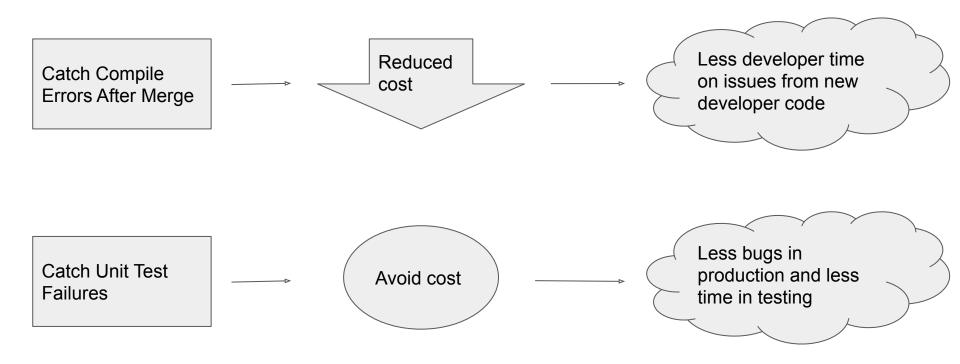
Fundamentals of CI/CD

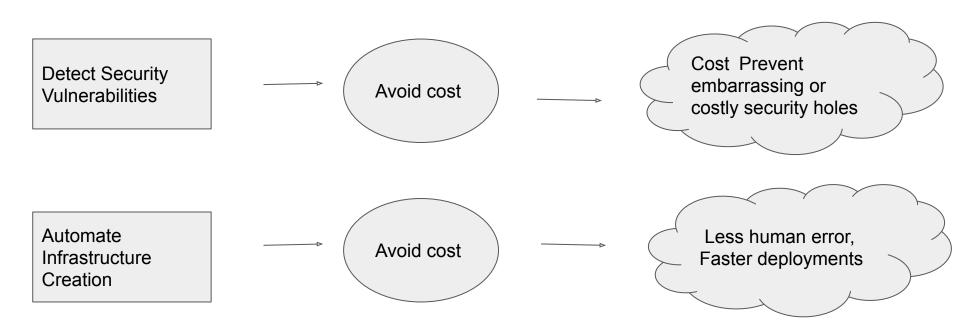
What is CI?

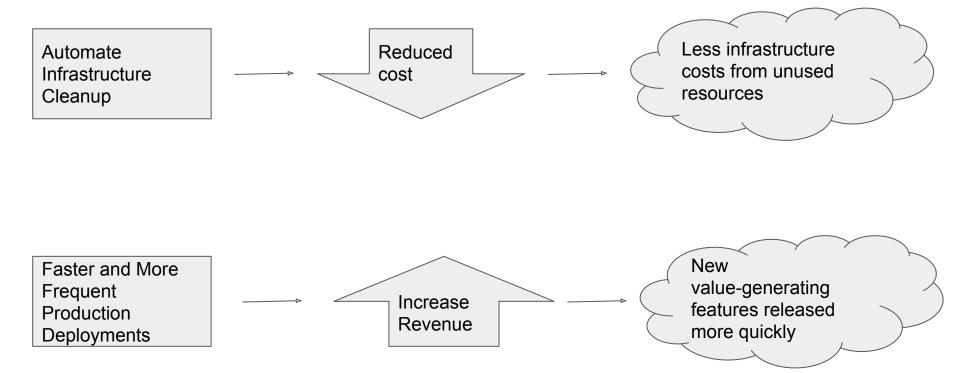
- Stands for Continuous Integration
- The practice of merging all developers' working copies to a shared mainline several times a day.
- it all culminates in the ultimate goal of CI: a high quality, deployable artifact!
- Common CI phases
 - a. Compile
 - b. Unit Test
 - c. Static Analysis
 - d. Dependency vulnerability testing
 - e. Store artifact

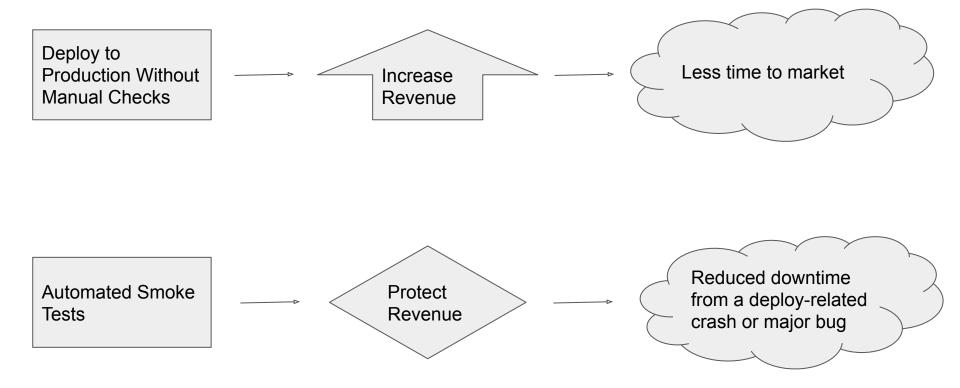
What is CD?

- Stands for Continous Deployment
- A software engineering approach in which the value is delivered frequently through automated deployments.
- Everything related to deploying the artifact fits here.
- Common CD phases are
 - Creating infrastructure
 - Provisioning servers
 - Copying files
 - Promoting to production
 - Smoke Testing (aka Verify)
 - Rollbacks









THANK YOU