Deliver Continuous Value (CI/CD)
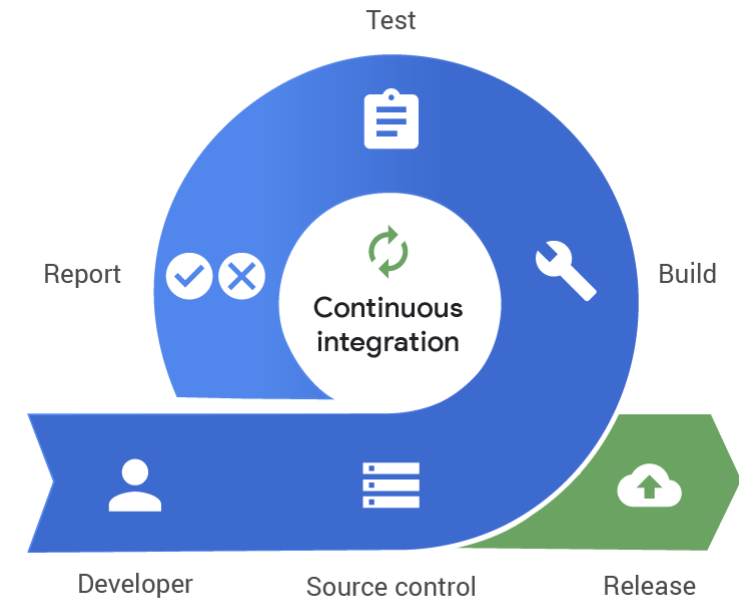
UDAPEOPLE DESERVE THE BEST PROCESS!

Continuous Integration (CI)

- Continuous Integration (CI)
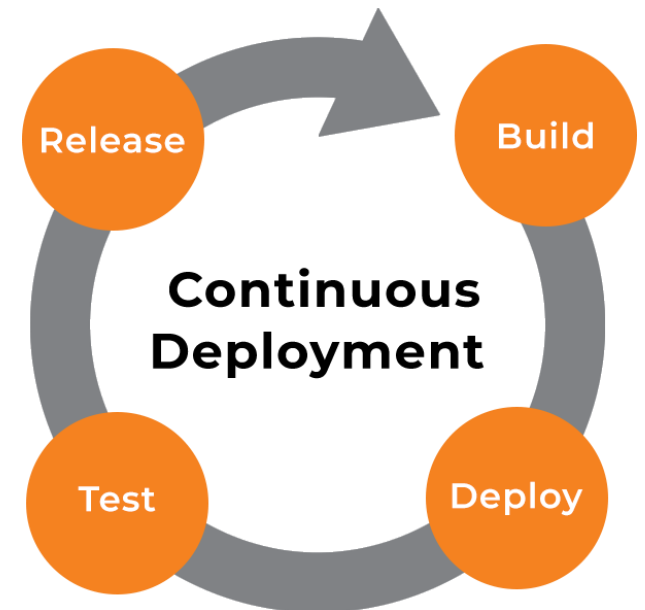 - **Continuously** building a **high-quality** artifact by merging working copies of code **several times a day**

- What makes the artifact high quality?
  - The repeatable phases:
    - Unit testing
    - Analyze code quality
    - Look for vulnerabilities

Test

Continuous integration

Report

Build

Developer

Source control

Release

Continuous Deployment (CD)

- Continuous Deployment (CD)?
  - **Continuously deliver value** to end users by releasing built artifacts through a **trusted, automated process**

- What makes the CD a trusted process?
  - No human errors in deployment process
  - Repeatable automated process
  - Automated smoke test and rollback immediately on failure

"

What value do these provide for UdaPeople customers?

Cost & Revenue benefits

Avoid Cost

Protect UdaPeople Brand

➢ Avoid cost by **automating security analysis**
➢ Proactively prevent security loopholes

Faster error- free deployments

➢ Avoid cost by **automating infrastructure provisioning**
➢ Yay! No more late-night calls to backout deployments

UdaPeople uptime beats SLO target

➢ Avoid cost by **automating all forms of testing**
  ➢ (Unit, Integration & Performance)
➢ Less production bugs
➢ Less time spent in manual testing > Happy Devs ☺

Reduce Cost

Identify problems early

➢ Reduce cost by catching compile errors early and saving developer time
➢ Identifying bugs from new developer code as soon as it's delivered

Reduced Cloud cost

➢ Reduce cost by **automating infrastructure cleanup**
➢ No more hidden costs from unused resources

Protect & Increase Revenue

Quick recovery from major bug

➤ Protect revenue by **automating smoke tests & rollback**
➤ Problem identified & reverted quickly
➤ Happy UdaPeople users ☺

Validate new features with a subset of users

➤ Protect revenue by deploying new features to a subset of users

Valuable new features delivered more frequently

➤ Increase revenue by **faster & more frequent** automated production deployments

Thank you!