

# Uda People

Fundamentals and Benefits  
of CI/CD to Achieve, Build, and  
Deploy Automation

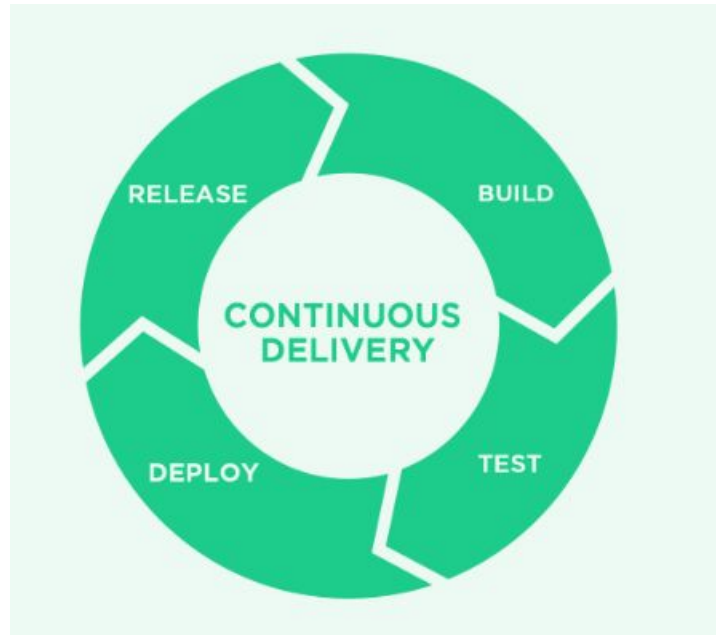
# Continuous Integration (CI)

- Make sure the process of coding is operate quickly
- Reduce cost by automatic merge, compile, build, test, ...
- Make the project become high quality, deployable artifact



# Continuous Deployment (CD)

- Automatic deploy quality code to environment: Dev, Staging, Production
- Reduce human errors when deploying the production in many different version



# Benefits of Continuous Integration (CI)

- ❖ Less developer time on issues from new developer code
  - The company will be **save money by reduce cost** for developer
- ❖ Less bugs in production and less time in testing
  - The company will be **save money by avoid cost** for testing

# Benefits of Continuous Deployment (CD)

- Less human error, Faster deployments
  - The company will be **save money by avoid cost** for error of human
- Less infrastructure costs from unused resources
  - The company will be **save money by reduce cost** for unused resources
- New value-generating features released more quickly
  - The company will be **save money by reduce cost** for released new features
- Reduced downtime from a deploy-related crash or major bug
  - The company will be **save money by protect revenue** for server issues