Uda People

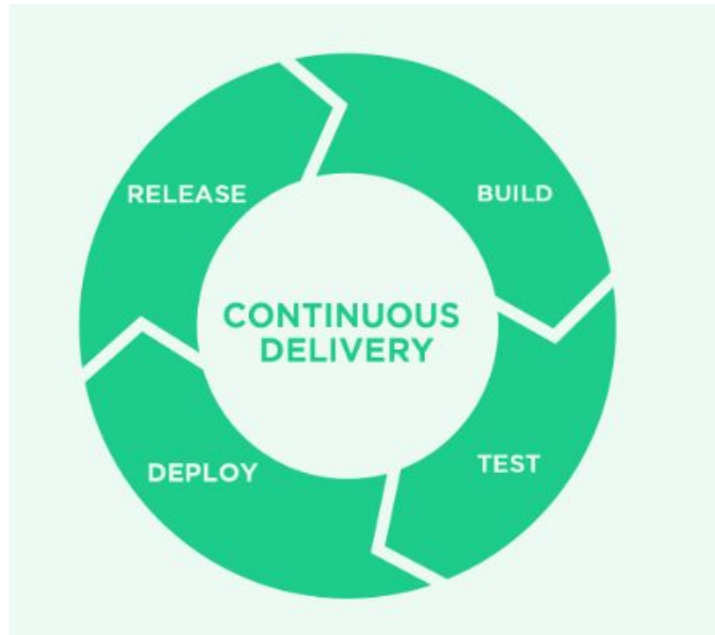## Fundamentals and Benefits of CI/CD to Achieve, Build, and Deploy Automation

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
- Less bugs in production and less time in testing

Benefits of Continuous Deployment (CD)

- Less human error, Faster deployments
- Less infrastructure costs from unused resources
- New value-generating features released more quickly
- Reduced downtime from a deploy-related crash or major bug