Continuous Delivery (CI/CD)

Delivering software in a new way

Continuous Integration

The practice of merging all developers' working copies to a shared mainline several times a day
It's the process of "Making"

Continuous Deployment

A software engineering approach in which the value is delivered frequently through automated deployments. It's the process of "Moving" the artifact from the shelf to the spotlight

Before CI/CD (Manual Deployment)

- Manually coding & compiling (Delays providing new features = lost revenue)
- We had to buy infrastructure which is not used in all cases (Unneeded extra costs)
- Manually create infrastructure and testing (Slow deployment + human errors)

What can we get with CI/CD ?

- Automated unit tests which reduces software bugs in production (Avoid costs)
- Scale servers to our needs only (which will avoid unneeded costs)
- Automated Infrastructure creation (Meaning less human error and faster deployments resulting to increase revenue)
- Automated smoke tests (resulting to less downtime to protect our revenue)