CI/CD
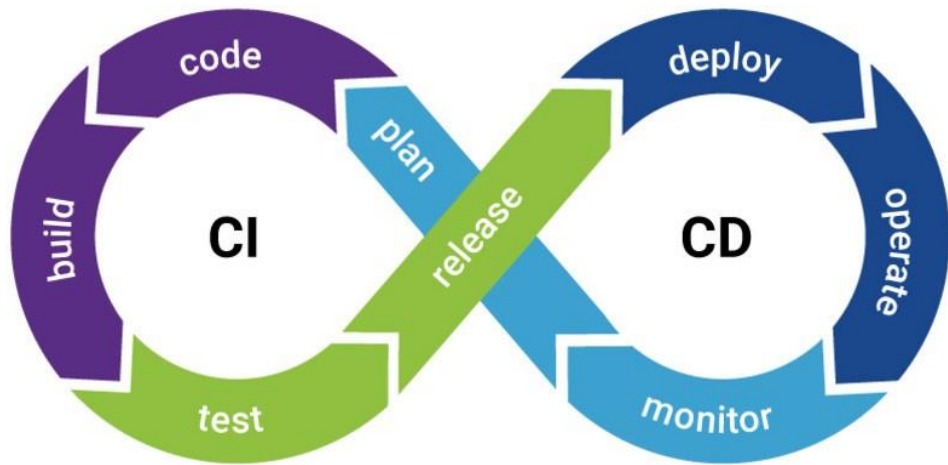
Efficient Software, More Income

By: Belal Aboarab

Problem

- User demands changing frequently
- Poor Integration between Teams
- Time Delay
- High Cost of development
- Multiple product versions
- **Finally, Unhappy Client & Dissatisfaction**

Solution

- CI/CD stands for Continuous Integration & Continuous Delivery
- It reduces integration overhead
- Producing the product would be released in shorter time
- Automated process that leads to automated deployment
- Fewer bugs & more efficient software
- Shipping the product faster than the traditional way
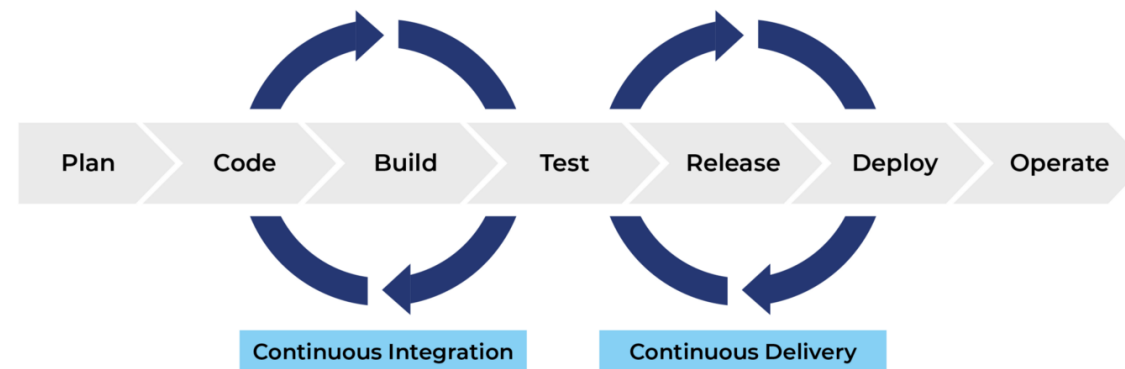
How does CI/CD work

Coding stage: Developers write code and fix bugs

Building stage: Build the product to be ready for deployment

Testing stage: Running test cases to ensure code quality

Monitoring stage: Providing crash & performance alerts

Deployment stage: Ship the product and be ready to use by the customer

Plan | Code | Build | Test | Release | Deploy | Operate

Continuous Integration

Continuous Delivery

How will CI/CD affect the market

It provides better product quality by detecting bugs and failures at earlier stages.

It is easier to ensure product quality after release

Faster time, so more software could be released and bringing in more money

Collecting end users' feedback earlier

Reducing costs and limits the impact that could be cause by a deployment problem

Keeping product up to date

Finally, Happy Customer with positive feedback