DevOps
Continuous Delivery

Mohamed Omar

Understanding Continuous Delivery

Continuous delivery is a model that is used in software development to run development, delivery, feedback, and quality management in parallel at short intervals in a continuous loop. This makes development more efficient and the customer receives the product earlier, even if it is not yet finished. Continuous delivery provides the developer with feedback through automated tests, which usually check the build after every change to the source code.
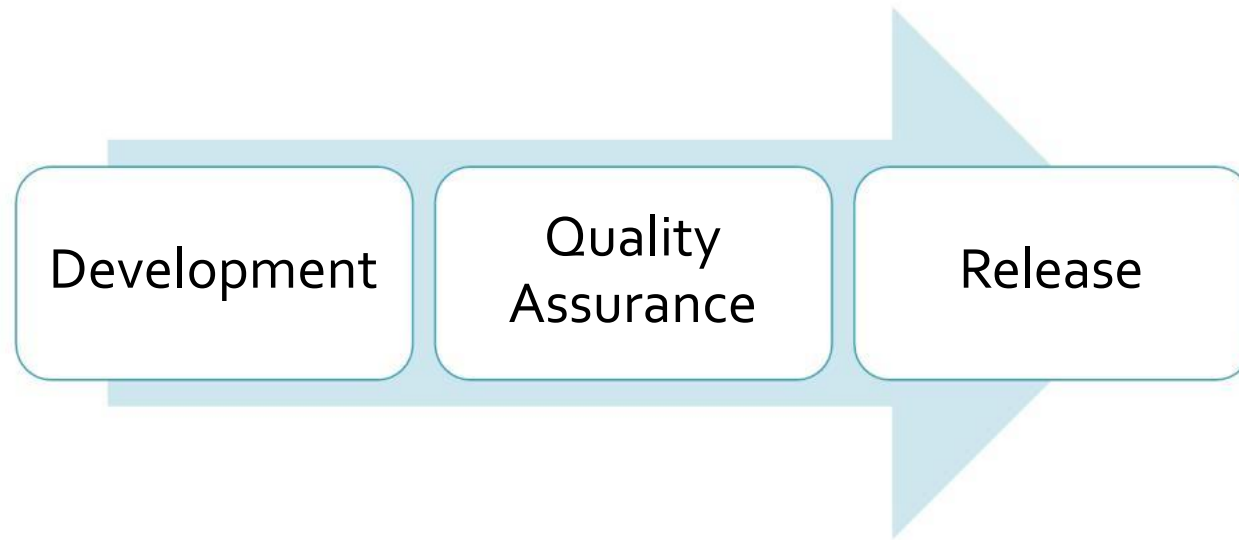
Move changes and updates to production very smoothly, safely and as quickly as possible

Deployment on Demand

Also known as CD

Challenges

- Traditional delivery process is lengthy
- Duration of release cycles may vary from weeks to months
- Slow delivery
- Poor communication
- Long feedback cycle
- Lot of manual activities which increases the chances of human errors

Development → Quality Assurance → Release

Benefits

- Easy and Low risk release
- Fast Feedback cycle
- Flexible Release options
- Fast Delivery
- Less chances of human errors

Implementing Continuous Delivery

- Automate All operations
- Continuous Integration, Continuous Testing
- Zero-Downtime deployment
- Easy Rollback or System recovery
- Continuous Check ins
- Using Tools to automate parts of release cycle
- Automated Acceptance testing