

CI/CD –



-TIME TO MARKET



-PROPOSAL

Presented by: -

Sudhanshu Katiyar

CI/CD Benefits

- ❖ Reduce feedback loop with stakeholders.
- ❖ More time adding real value and Less time configuring infrastructure.
- ❖ Reduce costs detecting errors earlier.
- ❖ Increase revenue with faster and more frequent production deployments.
- ❖ Protect revenue with automated tests.
- ❖ Avoid responsibility silos with Continuous Delivery.

DevOps

DevOps is a set of practices that combines software development (Dev) and IT operations (Ops). It aims to shorten the systems development life cycle and provide continuous delivery with high software quality.

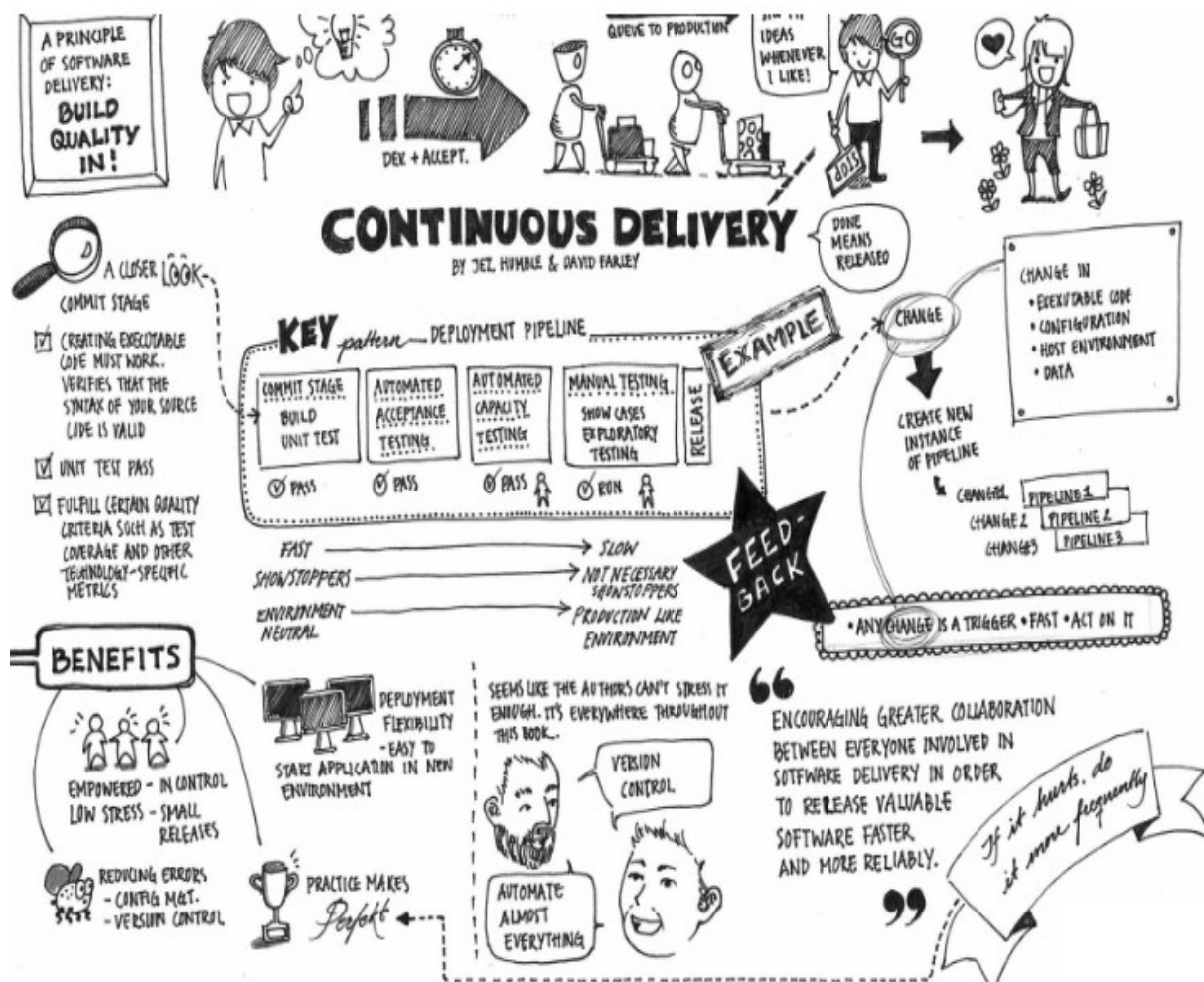
DevOps practices involve continuous development, continuous testing, continuous integration, continuous deployment and continuous monitoring of software applications throughout its development life cycle.

Vs

CI/CD

Continuous integration, continuous delivery or continuous deployment CI/CD bridges the gaps between development and operation activities and teams by enforcing automation in building, testing and deployment of applications. Modern days CI/CD practice or CI/CD pipeline forms the backbone of modern-day DevOps operations.

Continuous delivery improves velocity, productivity,
and sustainability of software development teams.



Continuous delivery metrics

- OLTP (online transaction processing) and OLAP (online analytical processing) are two well-known techniques in the industry.
- Key Performance Indicators (KPIs)
- Failures on test vs. staging vs. production
- Stability index
- Code quality index