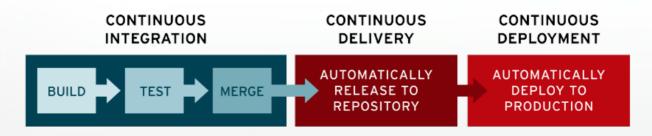# What is CI/CD?

- CI/CD stands for continuous integration and continuous delivery/continuous deployment.

- Made up of combined practices that closes the gap between development and operation teams by enforcing automation in building, testing and deployment of applications.

- CI/CD will help us mitigate error due to lots of manual work, infrequent releases, tons of manual work,late feedback,etc.

How is CI/CD going to benefit us?

Revenue Creation

Faster and More Frequent Production Deployments ensures more quicker releases.

Removal of manual checks before deployment means less time to market.

Protection Revenue

Automated smoke test reduces downtime due to deploy related crash or a major bug.

Automated rollback due to a job failure means a fast undo from production to working state.

How is CI/CD going to benefit us?

Avoid Cost

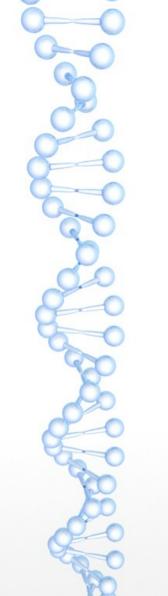Automation of infrastructure creation hence faster deployment and less human error.

Catch unit test failure ensures less bugs in production environment and less time testing.

Detecting security vulnerabilities avoids future embarrassment from security attacks.

Reduce Cost

Automation of infrastructure cleanup prevents unwanted cost on unused resources.

Catching compile errors after merging reduces time spent on issues from new developer code.

THANK YOU