



## CI/CD consists of 3 major Key Terms

## **Continuous Delivery**

software development mindset where code changes are automatically prepared for a release to production. Continuous delivery expands upon continuous integration by deploying all code changes to a testing environment and a production environment after the build stage. When properly implemented, developers will always have a deployment-ready build artifact that has passed through a standardized test process.

## **Continuous Integration**

The practice of merging all developers' working copies to a shared mainline several times a day.

## **Continuous Deployment**

A software engineering approach in which the value is delivered frequently through automated deployments without human intervention.

















Less bugs in production and less time in testing leading to avoiding costs Avoid costs by preventing embarrassing or costly security holes

**Cost Reduction** from less Infrastructure costs from unused resources

Less human error, Faster deployments leading to **Avoiding Costs** 







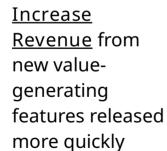










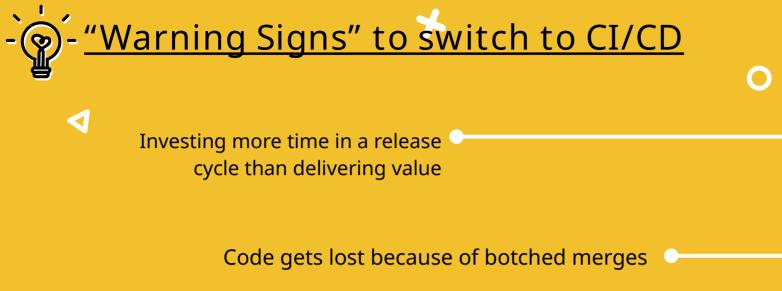


Increased
Revenue due to
less time on
market

Reduced downtime from a deploy-related crash or major bug leading to Revenue Protection

Protected
Revenue as a result of quick undo to return production to working state





Deployments contribute to schedule slip

Only one engineer can deploy a system