FUNDAMENTALS AND BENEFITS OF CI/CD
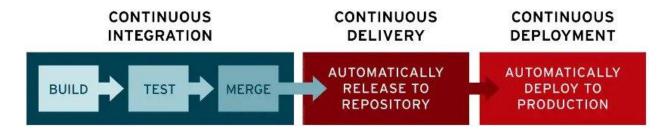
HOW ORGANIZATIONS SAVE COST AND DELIVER FASTER

WHAT IS CI/CD
 is a method to frequently deliver apps to customers by introducing automation into the stages of app development.

Continuous Integration: always refers to continuous integration, which is an automation process for developers.

Continuous Delivery: refers to continuous delivery and/or continuous deployment, which are related concepts that sometimes get used interchangeably.

HOW CI/CD WORKS

BENEFITS OF CONTINUOUS INTEGRATION
Reduces code conflicts
Faster code merge
Catch compile errors after merge

WHAT IS THE BENEFIT OF CI TO THE ORGANIZATION
Increase revenue
Reduction of cost
Cost avoidance in some cases
Revenue protection

BENEFITS OF CONTINUOUS DELIVERY
Faster and more frequent production deployment
Avoid manual interruption of deployment by using automatic deployment
Automatic rollback incase of failures.

WHAT IS THE BENEFIT OF CI TO THE ORGANIZATION
Increase in the market share
Faster feature delivery to the market and customers.

BENEFITS OF CI/CD GENERALLY

Action: New value generating features released more quickly
Value: Increase in Revenue

Action: Less time to market for new features.
Value: Increase in Revenue

Action: Less human errors, faster deployments
Value: Cost avoidance

Action: Quick rollbacks for for productions to go to working mode
Value: Protection of Revenue