CI-CD, A PARADIGM SHIFT THAT WILL MAKE OUR BUSINESS SHINE AND FIGURES SORE

BENEFITS OF USING CI-CD TO AUTOMATE BUILD AND DEPLOY OPERATIONS FOR OUR PRODUCTS

CI AT A GLANCE

- Means Continuous Integration
    - It's all about developers' workflow and the code they deliver.
    - After a developer submits his work , the code must go through the below phases:

        Build, Unit Test ,Static Analysis

    Continuous integration is the process of merging all developers' code into one single mainstream , several times a day.

    The aim is to provide a way to automate Build, Unit Test, Scan, and analyze steps which will ensure high product quality and a fast market reach.

SO WHAT IS CD ?

Continuous Deployment

- It's all about deployments and operational workflows.

- Moving the product from the warehouse shelves to the spotlight.

- Value (artifacts) are delivered frequently in an automated fashion without human intervention.

- Some Ops works include create and configuring infrastructure

  Promote to production , smoke tests and rolling back if there are any failures.

HOW WOULD CI-CD BENEFIT OUR BUSINESS

A penny saved is worth two pennies earned . . . after taxes

We will save money and avoid cost if we created our CI-CD pipeline

- Less bugs in production and less time in testing thus avoid a lot of cost and man hours.

- By creating an automated Infrastructure creation we'll have less human error and faster deployments

- Faster production deployments mean revenue increase, focusing on the next features in the next release.

HOW WOULD CI-CD BENEFIT OUR BUSINESS CONT.

- Automated smoke tests means revenue protection , we can roll back quickly and prevent longer downtimes and crashes.

- We'll be able to avoid cost and embarrassment if we included in our pipeline automated security and vulnerability checks