Continuous Integration and Continuous Deployment/Delivery (CI/CD)

The values and Benefits we'll get from CI/CD

Intro

In this presentation, We are going to be talking about the following:

- ➔ **WHY CI/CD**
  We'll talk about the values and benefit CI/CD will bring to our business.
- ➔ **WHAT is CI/CD**
  We'll talk about what makes CI/CD so important
- ➔ **HOW**
  We'll talk about how we will leverage the values of CI/CD in our business.

Why CI/CD

With CI/CD, we can confidently deliver values to our customers faster.

Value: Potential 50% yearly revenue increase and personalized user experience

Increased business availability and accessibility.

Value: Protection of revenue (of up to 30% spend cut), downtime and easy rollback

Increased in the productivity, efficiency, and happiness of the development team.

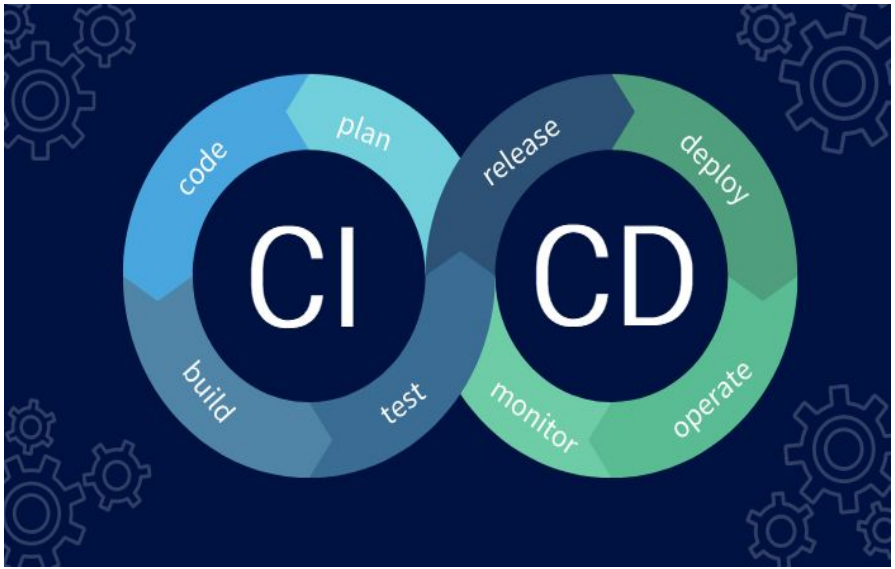
Value: Increased Revenue and less time to market

In additions, CI/CD improves the cohesion between the product team and the customers.

What is CICD?

RedHat defines CICD as a method to frequently deliver apps to customers by introducing automation into the stages of app development. The main concepts attributed to CI/CD are continuous integration, continuous delivery, and continuous deployment.

CI/CD benefits the business by reducing the cost spent on unused infrastructure, avoiding cost spent on human error during deploys, protect the revenue spent on manually bringing the site backup during outages, avoids costs spent fixing bugs and code errors, and protect revenue from a crash or major bug.



HOW of CI/CD

Code

From planning to development of a feature

Deploy

Release of the new feature to the production.

Build and test

Verification of the new feature for correctness.

Promote

Final sanity checks to ensure the new feature is safe to expose to customers.