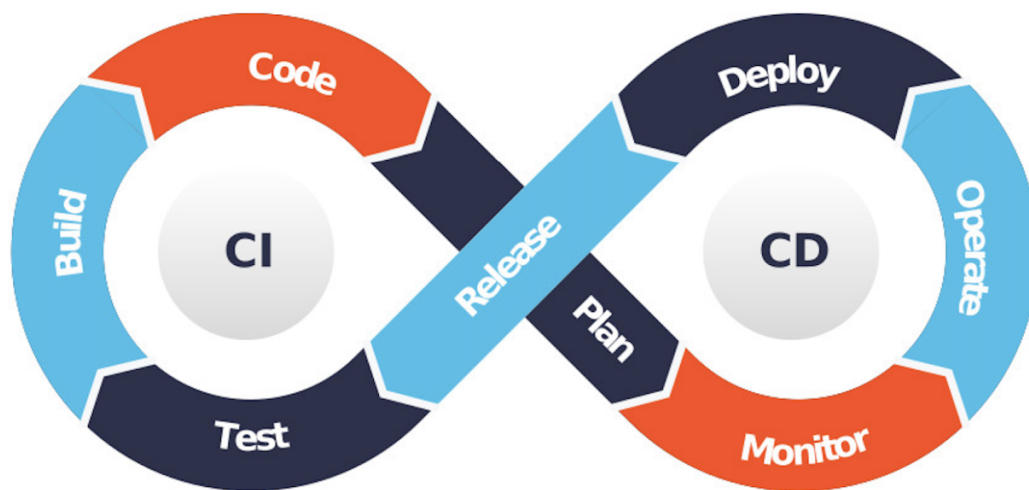# CI/CD
How it helps us improve our work?

What is CI/CD?

CI/CD (Continuous Integration/Continuous Deployment) is a method for automating software development, testing, and deployment. It combines two important concepts: Continuous Integration (CI) and Continuous Deployment (CD).

Continuous Integration (CI) is the process of continuous integration of source code from members of the development team. Instead of periodic or scheduled code consolidation, CI requires developers to submit source code changes to a common repository, which then automatically builds and tests the software.

Continuous Deployment (CD) is the process of automating the deployment of a new version of the software after it has passed the CI process. With CD, source code is automatically built, tested, and deployed to the production environment automatically.

The business impact of CI/CD

Let's look at some of the benefits we can get by applying CI/CD:

1. Reduce the cost to pay for deployment, maintenance, or testing.

    - Automating processes means we don't need to hire extra people for it.

    - Developers have more time for feature development, solving business problems.

2. Increase revenue

    - New features are released quickly without delay.

    - Quality assurance and stability are increased. Making customers more satisfied and using more, pay more for our services.