

Udapeople

CI/CD benefits

What is CI/CD?

- It's an approach, in which we deliver the value frequently and in an automated fashion. With this approach we automate manual steps in order to make it predictable and reliable.

Why adopt?

It can give us following benefits:

- reduce our costs
- avoid extra costs
- protect our revenue
- increase our revenue

How it can reduce our costs?

- Developers can spend less time on issues from new code
- We can save our costs by destroying unused resources automatically
- We can collect metrics and see places, where our costs can be reduced
- By using cloud services we can save our money on buying infrastructure upfront, and adopting pay as you go model

How it can avoid extra costs?

- We can avoid costs by spending less time on testing and with less bugs on production side
- Less human time on infrastructure deploy, therefore faster deploys with less errors
- We can avoid costs by closing security vulnerabilities before they affect us

How it can protect our revenue?

- We can reduce service downtime from bugs or from misconfiguration during deploy
- We can switch to the working production version faster

How it can
increase our
revenue?

- We can release new features faster
- We can have less time to market

Costs

- At first place it will slow down the development speed and will require more work to setup and maintain all pipelines and to cover all changes with tests. It can take up to 50% of development costs on the early stages.
- But eventually it will allow us to make a profit of it, when we'll get a more stable process, since we'll be able to deliver value more frequently, with less costs.