

CI/CD UdaPeople Product

1. CI/CD Principles

- Continuous Integration + Continuous Deployment = Continuous Delivery
- Set of development practices aimed at automating the building, testing, and deployment of applications.

2. Reduce Cost

- One of the benefit of CI/CD is reducing cost
 - The developer team will find the errors while compiling the codes quicker than before which reduce the time and cost for the new feature.
 - Less human errors and faster deployment.
 - More reliable test which allow us to gain less bugs in production and less time in testing to avoid any costs
 - Less infrastructure cost by avoid charging on unused resources.

3. Avoid Cost

- One of the benefit of CI/CD is Avoiding cost
 - The testing phase will be quicker than before and more automated.
 - We will have less bugs in the production and will avoid urgent updates of the future release.
 - We will prevent costly security holes that needs urgent action.

4. Increasing the Revenue

- We will be able to release new feature quicker than now.
- Reducing the number of deployed errors. which allow us to speed up the deployment to the market and increase our revenue.
- Reaching the market quicker than our competitor.
- Preventing costly security holes that needs urgent action.

5. Protect the Revenue

- Release new feature having less downtime.
- Reduce new feature deployment major bugs and crash
- Quick Roll back to return to live production if the new release is failed.