



CI/CD Technology in Business

HOW CAN IT CHANGE THE TECHNOLOGY AND SAVE COST
AND INCREASE PROFIT

Whats is CI/CD?

CI/CD is 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.

Rethinking our delivery

OUR PEOPLE

Cloud migration is meant to introduce efficiencies, and not only save costs but also save time. It is crucial that we deliver our products on budget and on time with minimal effort. As we are gearing towards delivering Udapeople, it is important we consider our own people first.

OUR BUILD

Our traditional approach to building software can be improved by allowing for a faster way to compile, test and store artifacts.

OUR DEPLOYMENTS

Our deployments could benefit from less human interaction, creating efficiencies in provisioning and releasing our products.

Adopting CI/CD

Continuous Integration and Continuous Deployment (CI/CD) is a DevOps practice which implements automation of much, or sometimes all the tasks needed to transform new code into a product.

Continuous Integration (CI) is the process of “making”; it is a development practice of continuously merging code into the main shared repository.

Continuous Deployment (CD) is the process of “moving”; it extends from CI by automatically deploying all code changes to their infrastructure after the build stage.

Benefits of using CI/CD?

Reduction is Cost

Less human errors and faster deployments not only reduce cost, but they avoid them. CI/CD allows for less time spent on code issues or bloated infrastructure.

Customer Retention

Production issues are actively responded to, and software can be brought to a working state quicker, keeping our clients happy, protecting our revenue.

Increased Productivity

CI/CD helps to boost the overall team morale, software delivery and releases.

Benefits of using CI/CD?

Increased Revenue Streams

With CI/CD, we can focus on new value-generating features which we can deliver quicker and more efficiently.

Less time to market

CI/CD eliminates manual checks through automated tests, meaning we can get to market faster and while spending less money.

Summary

The Udapeople project has been a strong reminder of why people matter. In preparing to deliver this magnificent project, it is equally import to focus on our people and process. CI/CD helps us to achieve that, by automating our builds and deployments, we enable our team to be productive, reduce our cost and increase not only our productivity, but revenue as well.