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# UdaPeople App



Implementing CI/CD

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# 1. Intro

## What is CI/CD?

Continuous Delivery is an engineering practice in which teams produce and release value in short cycles by introducing automation in the app development processes.

The practice of merging all developers' working copies to a shared mainline several times a day is known as Continuous Integration.

A software engineering approach in which the value is delivered frequently through automated deployments is known as Continuous Deployment.

Therefore **CI/CD** is a set of development practices aimed at automating the building, testing, and deployment of applications.

# Benefits Of Continuous Delivery

## Reduce Cost

Less developer time on issues from new developer code

Less infrastructure costs from unused resources

## Increase Revenue

New value-generating features released more quickly

Less time to market

Less bugs in production and less time in testing

## Protect Revenue

Reduced downtime from a deploy related crash or major bug

Quick undo to return production to working state

# Conclusion

There are still more and more benefits of using CI/CD to automate and manage Udapeople app. But from the highlighted benefits above, I believe implementing CI/CD to UdaPeople will be of great value to us.