



Continuous Integration and Delivery

Overview

- CI/CD stand for continuous integration and continuous delivery
- Implementing CI/CD is a priority to ensure faster build, delivery, and deployment cycles, and it helps automate the tasks and is in adherence to the DevOps culture.
- The tangible benefit of CI/CD is leads the company to growth and higher efficiency
- It helps to understanding this flow of developer experience and enhanced productivity

Benefits of CI/D


- Instead of writing code independently and submitting once a month, in the CI/CD development process, the developer at Udapeople team can submit the code changes more frequently.
- When there is continuous testing, it results in faster bug fixes and functionality and, ultimately, results in better collaboration and software quality.

Cont..

- CI/CD ensures that fault isolations are faster to detect and easier to implement. Fault isolations combine monitoring the system, identifying when the fault occurred, and triggering its location
- CI/CD is a great way to get continuous feedback not only from your customers but also from your own team. This increases the transparency of any problems in the team and encourages responsible accountability.

Problems to solve

- ✓ **Unhappy clients** :- there is significantly less back-tracking to discover where things went wrong and developers at Udapeople can spend more time building features and less time in waiting to find out if the code is going to work.
- ✓ **Slow release process which affect Udapeople revenue** :- ci/cd speeds up the release process by encouraging collaboration between developers and ensuring bugs are caught earlier in the cycle.

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- ✓ **Requiring unexpected beget during system fail** CD can rollback even when it is in production so it reduce the cost



THANK YOU