

Benefits of CI/CD For UdaPeople

Presented by: Theresa Obamwonyi

What is CI/CD?

CI/CD stands for Continuous Integration/Continuous Delivery. It is a methodology that helps teams deliver high-quality software faster and more frequently.

Continuous Integration: is a systemic approach of merging tech changes in bits and short stints

Continuous Deployment: is an approach where value is deployed consistently across board.

Continuous Delivery: A merge of CI and CD above.

Benefits of CI/CD (Part 1)

Faster Time to Market

With CI/CD, developers can integrate code changes more frequently, leading to faster time to market. This also reduces the risk of bugs and errors in production.

Less Infrastructure Costs

CI/CD automates infrastructure cleanup of unused resources. This frees up resources quickly and avoids the costs attached to using them.

Quick return to Production working state

CI/CD automates rollback when triggered by a Job failure. The quick undo of failures can reduce and eliminate downtime and protect and save revenue.

Benefits of CI/CD (Part 2)

Prevent Costly Security Holes

CI/CD encourages collaboration between developers, testers, and operations teams. This leads to earlier identification and resolution of issues, resulting in better quality software.

Customer Satisfaction

By catching defects earlier in the development process, CI/CD improves the overall quality of the software. This leads to higher customer satisfaction and reduces the risk of costly errors in production.

Less Human Error

CI/CD automates Infrastructure Creation, this reduces the risk of errors due to human setup, thus avoiding unnecessary costs.



THANK YOU

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