



Continuous Integration (CI)/Continuous Deployment (CD) in UdaPeople

Mohammed Isioye



What is CI/CD?



Continuous Integration is a practice that is common to developers who are working daily to achieve the purpose of building a product to solve a problem. This practice has a lot to do with developers working individually (technically) towards the goal of the team. This practice enables them to contribute to a common pipeline to achieve this goal

Continuous deployment is a software development practice in which product milestones are delivered frequently through the process of automation.

Continuous delivery is process of employing both continuous integration and continuous deployment into software development life cycle



Implementing CI/CD at UdaPeople

In order to achieve Continuous Integration, Deployment and Delivery most of what our developers normally do has to be automated in such a way that it's fool proof, that is, except for a change in process, the automation will be solid enough to handle tasks the usually required physical presence like deploying new features to production for our customers to try out and give feedback, test new features before it's delivered to our customers etc. The following are some of the steps required to be automated

- Static code analysis
- Unit testing
- Smoke testing
- Deploying new feature to production
- Creating infrastructure that our product requires to scale successfully
- Handling reversion in case things go wrong



Benefits of using CI/CD at UdaPeople

- Help detect and prevent vulnerabilities in our product on time
- Avoid technical debt that may occur in case vulnerability
- Automation of more human related tasks which will help reduce errors
- Ease and stable release of new features to our customers

Thank you!

