

SELLING CI/CD TO THE BUSINESS

As business grows and has a lot to cater for, so does the demand to update software and push out more features to the customers and also the need to edge competitors at doing that. However, our current software delivery practices aren't the most efficient, thereby causing delay in delivering new features to our customers and also supporting them in cases where there are issues and bugs found in the application during usage.

Furthermore, these practices are riddled with several challenges which include, manual software testing, less time delivering value, manual repetitive tasks and so on.

I am proposing we embrace and adopt the use of Continuous Integration and Continuous Deployment (CI/CD) in our software development life-cycle. This will enable us to achieve a more efficient delivery process, reduced cost, and improve revenue.

Some of the benefits of Continuous Integration and Continuous Deployment (CI/CD) are highlighted below:

- Testing has been identified as one of the reasons delivery is delayed. With Continuous Integration, automated testing will ensure and enforce code quality and security thus reducing time wasted in manual testing and protect revenue.
- This approach will also help in making faster and more frequent production deployments, which helps to increase revenue by releasing new value-generating features more often and quickly.
- With the concept of failing fast and recovering even faster. Code pushed into production with issues rollback with human intervention. The ability to easily rollback code saves teams time, energy, and resources and leads to faster resolution.

- Automated smoke tests would also help protect revenue by reducing downtime from a deploy-related crash or a major bug.
- Automated resource clean-up helps to leverage the available and relatively unlimited resources, hence, avoiding cost, and improving revenue.

The team will be willing to elaborate on the benefits of adopting efficient Continuous Integration and Continuous Deployment practices to help reduce and avoid cost, increase and protect the revenue of the firm, and also satisfy our customers.