UdaPeople CI/CD Proposal

Faster Deployments, Less Time to Market
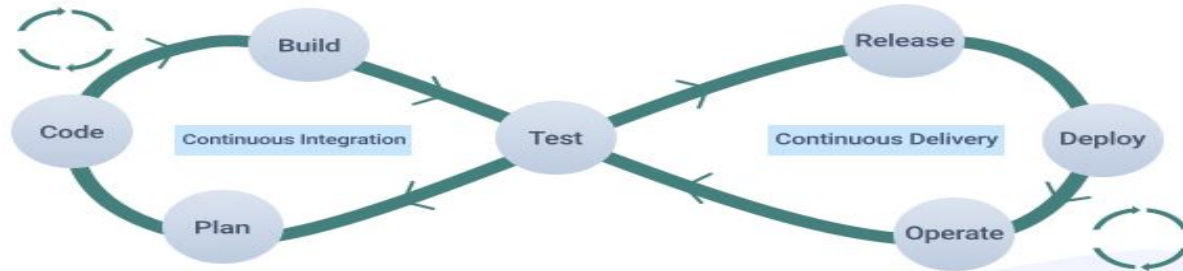
Introduction

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

Such automation translates to several benefits on the business side:

- Less developer time in spent testing and debugging errors in production
- Automated discovery of security vulnerabilities
- Overall reduction of bugs in production features
- Faster release of features to market
- Economic use of infrastructure resources.
- Reduced application downtime as errors are detected early
- Quick return to working state in case of production crashes

Conclusion

In Summary, CI/CD directly impacts the business bottom line in following ways :

➢ Less expenditure on developer hours
➢ Reduced cost of infrastructure.
➢ Mitigates costly security vulnerabilities.
➢ Ensures faster release of value generating features.
➢ Ensures availability of value generating features.