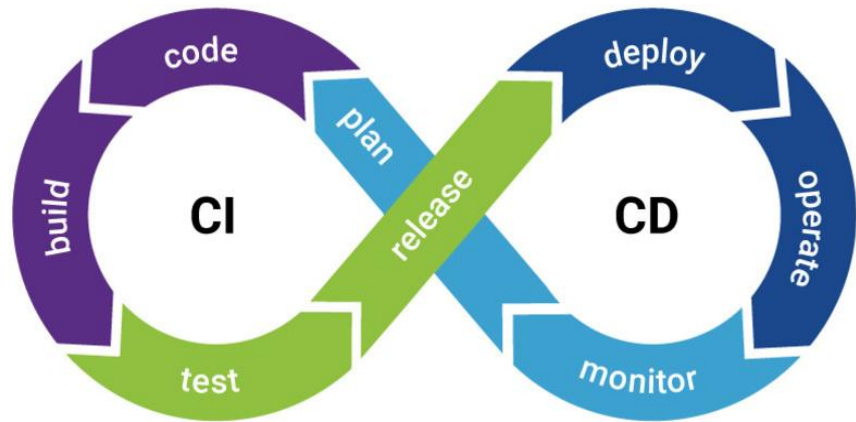




The Case for CI/CD

- By Chibundu Anaduaka



Continuous Delivery is the practice of producing and releasing value in short repeatable and reliable cycles.

Fundamentals



CI

Continuous Integration

Involves the merging of all developers working code to shared repository multiple times a day for the ultimate goal of producing a high quality and deployable artifact.



CD

Continuous Deployment

Involves the delivery of value frequently through automated deployments.

Benefits

1

Reduce Cost

- Less time spent on resolving issues
- Less cost of redundant infrastructure

2

Avoid Cost

- Less bugs and time in testing
- Prevent costly security breaches
- Less human error / Faster deployments

3

Increase Revenue

- Quicker release of value
- Less time to market

4

Protect Revenue

- Less downtime from deployment failure
- Shorter Recovery Time Objective

Conclusion

Continuous Delivery (CI/CD)
enables these **engineering
best practices** ->

**Fail Fast,
Fail Safe,
Fail Cheap**

**Infrastructure
As Code**

**One Reliable
and Effective
Road to
Production**

**Maximising
Automation**

**Measurement of
Quality**