

# CICD AutoDeploy superpowers

By Franklin Mutua

## Definition

Continuous Integration(CI) is automation process for developers which involves builds, tests and merging of new code updates thus avoiding too many branches in a repository which might cause git conflicts.

Continuous delivery(CD) is the process of automating the stages of deploying our application to the point of release. The initial deploy stage helps to check for errors, fix and redeploy. The final stage is when the application goes live on production and becomes readily available for end users.

# Benefits

- 1. Smaller Code Changes**
- 2. Fault Isolations**
- 3. Faster Mean Time To Resolution (MTTR)**
- 4. More Test Reliability**
- 5. Faster Release Rate**
- 6. Smaller Backlog**
- 7. Customer Satisfaction**