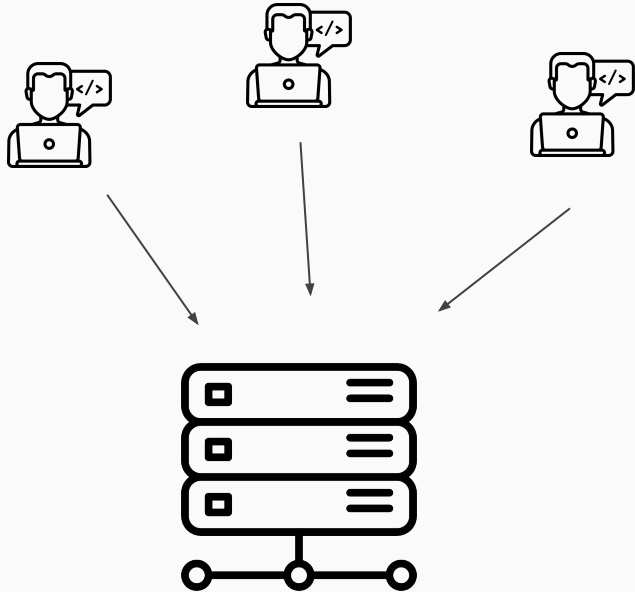# CI/CD

A Better Way To Deliver Values Fast To The Market

Continuous Integration (CI)

The practice of merging all developers' working copies to a shared mainline several times a day

CI Phases And Benefits To The Business

Catch Compile Errors After Merge

Less developer time on issues from new developer code

Reduce Cost

Catch Unit Test Failures

Less bugs in production and less time in testing
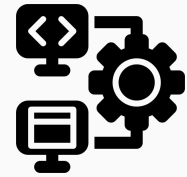
Avoid Cost

Detect Security Vulnerabilities

Prevent embarrassing or costly security holes

Avoid Cost

Continuous Deployment (CD)

*It's the process of **"Moving"** the artifact from the shelf to the spotlight.*
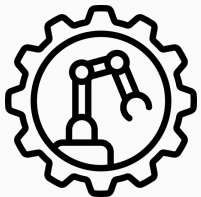
CD Phases And Benefits To The Business

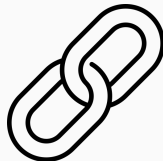Faster Production Deployments → New value-generating features released more quickly → Increase Revenue

Deploy Without Manual Checks → Less time to market → Increase Revenue

Rollback Triggered by Job Failure → Quick undo to return production to working state → Protect Revenue