

Know how to deploy in an artifact and start getting benefits in seconds?

SOLUTION IS  
CI/CD

WOW!

# Continuous Integration Key Points

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



## CI Cost affection

- Catch Compile Errors After Merge

Less developer time on issues from new developer code=>Reduced Cost.

- Catch Unit Test Failures

Less bugs in production and less time in testing=> Avoided Cost

- Detect Security Vulnerabilities

Prevent embarrassing or costly security holes=> Avoided Cost

## All about code and Dev workflow through phases



Compile



Unit Test



Static Analysis

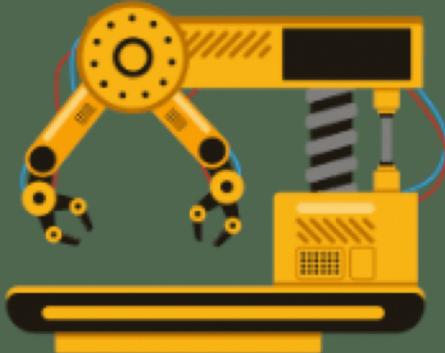


Store artifact



Dependency vulnerability testing

# Continuous Deployment



## CD Phases

Automated and frequent deployment

the process of "Moving" the artifact from the shelf to the spotlight automatically without human intervention

Ops Workflow

It is all about deployment to get a revenue.

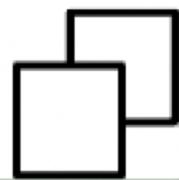
Creating infrastructure



Provisioning servers



Copying files



Promoting to production



Smoke Testing



Rollbacks



# Benefits of CI/CD

BENEFIT	VALUE
Less time spent on issues from new developer as code passed by multiple verification steps	Reduced cost
Issues found previously before going to production	Avoid cost
No security breaches or vulnerabilities	Avoid cost
Faster deployments which avoids human errors	Avoid cost
Quick valuable feature	Increase revenue
Less time to market release	Increase revenue

# Why should I start working with CI/CD?

Trustworthy

No dependency on one engineer

Speed Checking

No more time on merging issues after a new feature

High security

No more neglecting for testing functionalities

Testable code

More integration, evolving and contribution

Less Errors

Devops = Development + Ops deps.

Thank You

Questions??

