

BENEFITS OF CI/CD

Ehab Said

AGENDA

What is CI/CD?

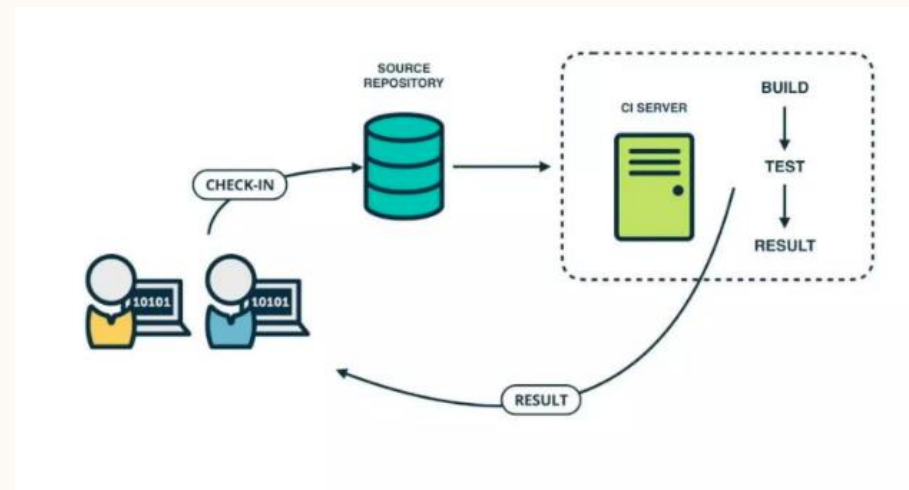
Business benefits of CI/CD

Popular Tools

WHAT IS CI/CD?

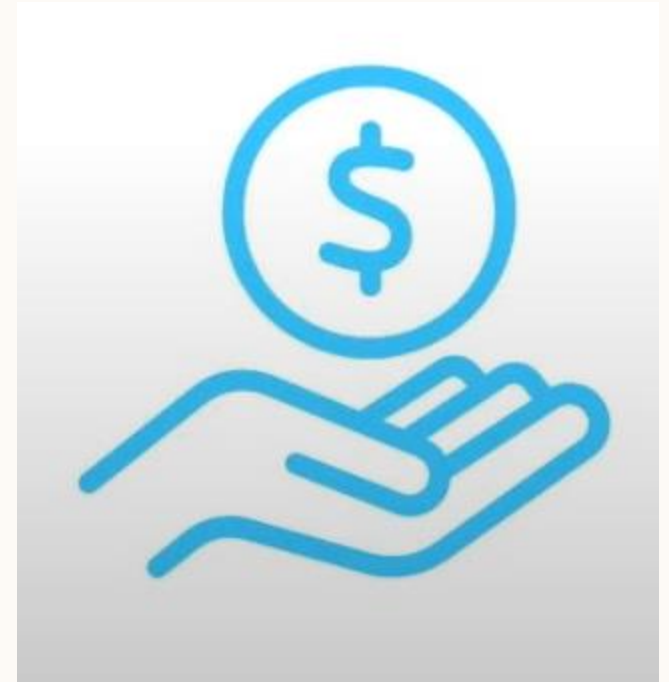
CI/CD is a best practice for DevOps teams. It is also a best practice in agile methodology. By automating integration and delivery

CI/CD lets software development teams focus on meeting business requirements while ensuring code quality and software security.



BUSINESS BENEFITS OF CI/CD

- Avoid Cost
 - ✓ Less bugs in production and less time in testing
 - ✓ Less human error, Faster deployments
 - ✓ Prevent embarrassing or costly security holes
- Reduce Cost
 - ✓ Less developer time on issues from new developer code
 - ✓ Less infrastructure costs from unused resources
- Increase Revenue
 - ✓ New value-generating features released more quickly
 - ✓ Less time to market
- Protect Revenue
 - ✓ Reduced downtime from a deploy-related crash or major bug
 - ✓ Quick undo to return production to working state



POPULAR TOOLS:

ON-PREM

- Gitlab Community
- Jenkins
- Team City by JetBrains
- Team Foundation Server (TFS)

CLOUD-BASED

- Bamboo
- Travis CI
- Gitlab
- Circle CI