



UdaPeople

The Benefits of CI/CD

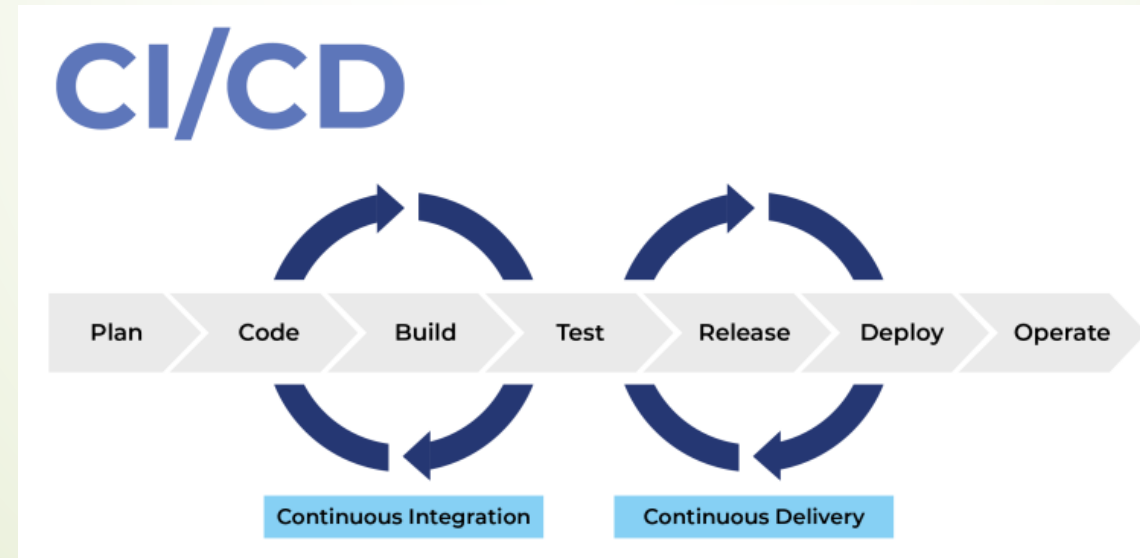
What is CI/CD ?

► Continuous Integration

A software development practice that emphasizes frequent integration of code changes to a shared repository.

► Continuous Delivery/Deployment

A software development practice that focuses on continuously delivering new features and improvements to users.





Continuous Integration



Technical Benefits

Faster build

Early bug detection

Catch Compile Errors After Merge



Business Benefits

Less developer time on issues and spending more valuable time on development helps to

Reduce Cost

Avoiding Cost

Protect Revenue



Continuous Delivery/Deployment



Technical Benefits

Faster and More Frequent Production Deployments

Automated Smoke Tests

Automated Rollback Triggered by Job Failure

Deploy to Production Without Manual Checks



Business Benefits

Reduced downtime from a deploy-related crash or major bug and New value-generating features released more quickly results in

Increase Revenue

Faster feature deliveries



How CI / CD will help?

Improve Code Quality	Reduce Risk	Increase Efficiency	Enhance Collaboration
By automating the process of identifying and resolving code conflicts, CI can help to improve code quality and reduce the risk of introducing bugs and errors into the codebase. CD can then help to ensure that changes are thoroughly tested and released quickly and efficiently.	By automating the testing and deployment process, CD can help to reduce the risk of human error and ensure that changes are released consistently and reliably. This can help to improve the stability and reliability of the software, reducing the risk of downtime or other issues	By automating manual tasks and reducing the time required for testing and deployment, CI/CD can help to improve overall efficiency and reduce development time. This can result in faster time-to-market for new features and products.	By promoting collaboration between different teams involved in software development, CI/CD can help to reduce silos and improve communication between teams. This can result in a more cohesive and productive development process.