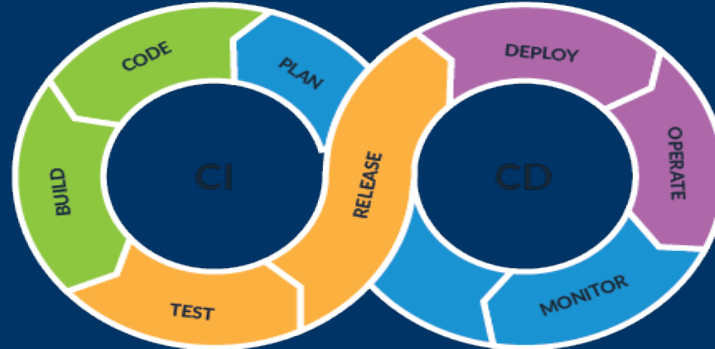


Udapeople - CI/CD to Achieve, Build, and Deploy Automation for Cloud-Based Products

Carlos

What is Continuous Integration/ Continuous Deployment?

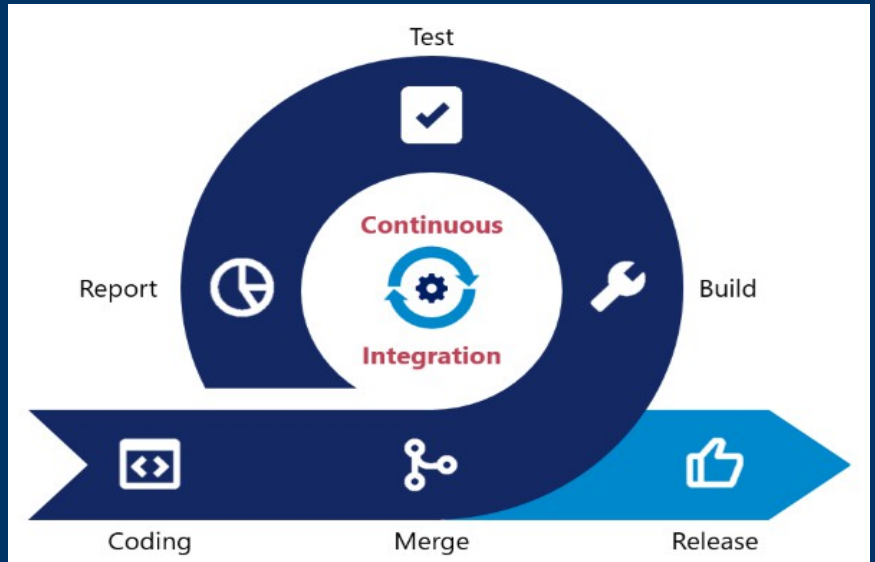
- With the continuous method of software development, you continuously build, test, and deploy iterative code changes¹
- CI/CD strive to have less human intervention, from the development of new code until its deployment¹



1. <https://docs.gitlab.com/ee/ci/introduction/>

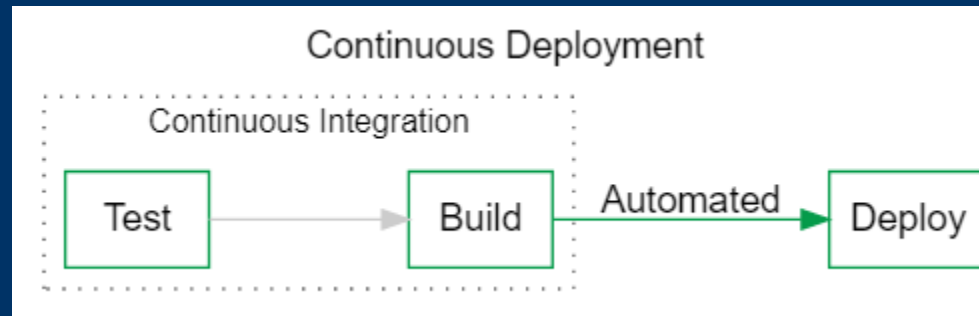
Continuous Integration

- Automates the changes we make to our code repositories such as:
 - Building
 - Testing
 - Merging
 - Reports
- Increases high quality code
- Increases release time
- Less coding bugs
- Catch bugs in test by continually running them



Continuous Deployment

- Automates the deploy to beta/production environment
- Decreases deployment bugs
- Automates server scaling
- Faster deployments



Benefits

- Lower costs
- Reduce product delivery time
- Reduce bugs in our products
- Reduce labor work for on-premise servers
- AutoScaling servers
- Developers can focus on developing, therefore increase productivity

