

CI/CD

From Code to Cash

Fundamentals

Continuous Delivery is much more than the automation of tasks to avoid human error. It lets us get new solutions into hands of users as quickly, efficiently, and cheaply as possible.

To achieve the target of Continuous Delivery → CI + CD

1. Continuous Integration:

- a. It's the process of integrating new code, compile it, verify it, extract an Artifact and store it, make it ready for deployment.
- b. It's the process of moving the Artifact from the shelf to the spotlight

However, the artifact itself can not generate a value, it needs to be deployed first.

Fundamentals

2. Continuous Deployment:

- a. It's all about deploying that Artifact generated from the CI process, so that it can be used and generate value.
- b. It's the process of making value to that Artifact, so that the goal is to reach production.

All of those two continuous processes are done through:

1. Pipeline
2. Infrastructure as a Code
3. Provisioning
4. DevOps

Benefits

CI/CD helps in reduce/avoid costs and increase revenue:

1. Less time to market
2. Less infrastructure costs for unused resources
3. Less downtime of production
4. New features generated quickly
5. Quick undo (Rollback) to production

When CD is finally finished, and the artifact is available to the world to be used, we truly say that CD has turned code into cash.

Thank You!