
CI-CD ???
Continuous Integration,
Continuous Delivery, and
Why you should care

CONTINUOUS INTEGRATION

Continuous Integration is, simply put, automating the process of building and testing of code.

CI allows developers to frequently merge code changes into a central repository where builds and tests then run.

CONTINUOUS DEPLOYMENT

After code has been built, and tested, the next step is deployment.

Continuous deployment is the process of automating the deployment of code into production, including automating infrastructure deployment, and helps complete the Continuous Delivery value chain.

WHY CI/CD ?

Automating CI means developers can catch errors easily and spend less time on issues, hence saving costs because of reduced man-hours

Automating Unit Tests in CI means developers can catch production-breaking bugs in development and have less production bugs. Costs can be saved with this strategy

Automating infrastructure deployment in CD means there will be less human error and faster deployment

Automating Smoke Tests helps to reduce downtime from deployment crashes, and ensures production servers are always online, reducing the risk of money loss due to deployment downtimes.

Automating rollbacks in CD makes it possible to quickly rollback to working state of service, and thus helps prevent production downtimes