

CI/CD

The Indispensable resource in production

What is Continuous Integration (CI)?

Continuous Integration

The practice of merging all developers' working copies to a shared mainline several times a day. It's the process of "Making". Everything related to the code fits here, and it all culminates in the ultimate goal of CI: a high quality, deployable artifact!

What is Continuous Deployment
(CD)?

Continuous Deployment

A software engineering approach in which the value is delivered frequently through automated deployments. Everything related to deploying the artifact fits here. It's the process of "Moving" the artifact from the shelf to the spotlight.

Benefits of CI/CD

- Catching compile errors leads to less time spent on new developer code; thereby reducing cost and potential expenses.
- Less bugs in production and reduced testing time helps us to avoid costs.
- Preventing embarrassing or/and costly security holes also helps to avoid costs and protects the company's reputation.
- CI/CD also ensures that new value-generating features are released out to the public more quickly; thereby increasing revenue.

Final point

Less Time to Market



“The earlier you catch defects, the cheaper they are to fix.”

- David Farley

In conclusion, CI/CD is a resource we cannot do without if we intend to minimize cost and maximize revenue.