

Benefit of Implementing CI/CD

The background is a dark blue gradient. It is decorated with an abstract pattern of small squares in white, light blue, and light orange, and thin white vertical lines of varying lengths, creating a modern, tech-oriented aesthetic.

What is CI/CD

CI/CD is a method to frequently deliver apps to customers by introducing automation into the stages of app development.

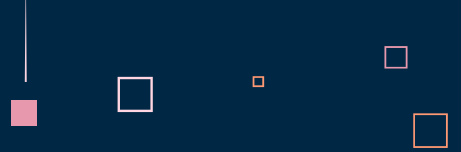
The main concepts attributed to CI/CD are continuous integration, continuous delivery, and continuous deployment.

Continuous Integration

Continuous integration is a DevOps software development practice where developers regularly merge their code changes into a central repository, after which automated builds and tests are run.

The key goals of continuous integration is to find and address bugs quicker, improve software quality, and reduce the time it takes to validate and release new software updates.

Continuous Delivery



Continuous delivery is a software development practice where code changes are automatically prepared for a release to production, continuous delivery expands upon continuous integration by deploying all code changes to a testing environment and/or a production environment after the build stage.

Continuous delivery lets developers automate testing beyond just unit tests so they can verify application updates across multiple dimensions before deploying to customers.



CI/CD Benefit

With the current changes of customer needs you have to be able to be the first who deliver these needs to win the market and with ci/cd you will be able to:

- **Reduced time-to-market** : be the first to deliver to ever growing market.
- **Effective automation testing** : Automated tests ensure that they perform more consistently .
- **Efficient infrastructure** : no unused resources with massive bill.
- **Accurate progress monitoring** : know where you fail and why you fail.
- **Maximum consumer demand satisfaction** : it carefully monitors the initial actions of the customers and maintains a record of the results.
- **Cloud-based development** : maintains the continuous flow of new features and updates.

