

DevOps

CI/CD Fundamentals & Benefits

DevOps? CI/CD?

DevOps represents a set of practices used to automate and ease the collaboration between IT teams and developers. The aim is to help organizations to produce and deliver values, at a constant rate.

Continuous Integration (CI) helps to merge different working copies of our assets into a shared mainline, serving as single source of truth (e.g a code repository).

Continuous Deployment (CD) automates everything required to release values frequently, from setting up the IT infrastructure to serving the application.

How does it benefit us?

By catching code errors early, CI reduce costs that occur and value developers time.

This reduces the number of bugs that will end up in production, improving customer satisfaction and protecting the business revenue.

Code analysis helps to detect critical security vulnerabilities before they get exploited, to ruin the business.

Automated deployment eliminates human errors that can lead to additional costs on IT infrastructure.

It considerably reduces the time needed to bring our product to the market.

When failures occur

Changes made are quickly rolled back to preserve our product quality and customers satisfaction.

This also includes removing the IT infrastructure used during the process, thus reducing costs.



With DevOps, that's

50%

less time remediating
safety concerns

24x

more active recreation
from crashes

22%

less experience wasted on
unplanned work and
rework

Based on statistics of the [2017 State of DevOps](#)

DevOps

Can definitely benefit us

