



CI/CD : OVERVIEW AND BENEFITS

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WHAT IS CI/CD?

CI/CD is a practice in DevOps that allows developers to quickly and automatically test, package, and deploy their applications.

- ◉ Continuous Integration
- ◉ Continuous Deployment
- ◉ Continuous Delivery

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

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

Continuous Delivery

An engineering practice in which teams produce and release value in short cycles. Continuous Delivery is an overarching paradigm or mindset that informs and enhances the practices of Continuous Integration and Continuous Deployments.

WHY WE SHOULD GO FOR IT?

Below are the benefits it would bring to us.

1. Automated Deployment

It will give us more time to market our new feature.

2. Automate Infra cleanup

It will help us in reduced cost.

3. Automated smoke test

It will reduce the downtime of our website.

4. Automated roll back

In case of a glitch it will help us quickly moving to working state.

WHY WE SHOULD GO FOR IT?

Below are the benefits it would bring to us.

5. Faster feature deployment

Increased revenue and delivery with pace.

6. Automated Infra setup

It will avoid human error

CONSIDERING ALL THE
BENEFITS WE SHOULD REALLY
START FOLLOWING THIS.