

# **CI/CD - A better way of shipping software.**

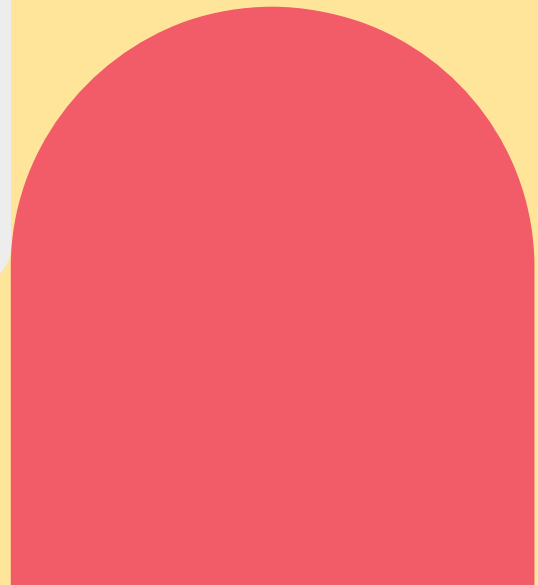
How CI/CD can be beneficial in the automated release of software.



1

# What is CI?

This can be seen as the practice that helps developers merge their code changes into a single shared branch more frequently.



# Goals/Keywords of CI.

## What is the ultimate goal of CI?

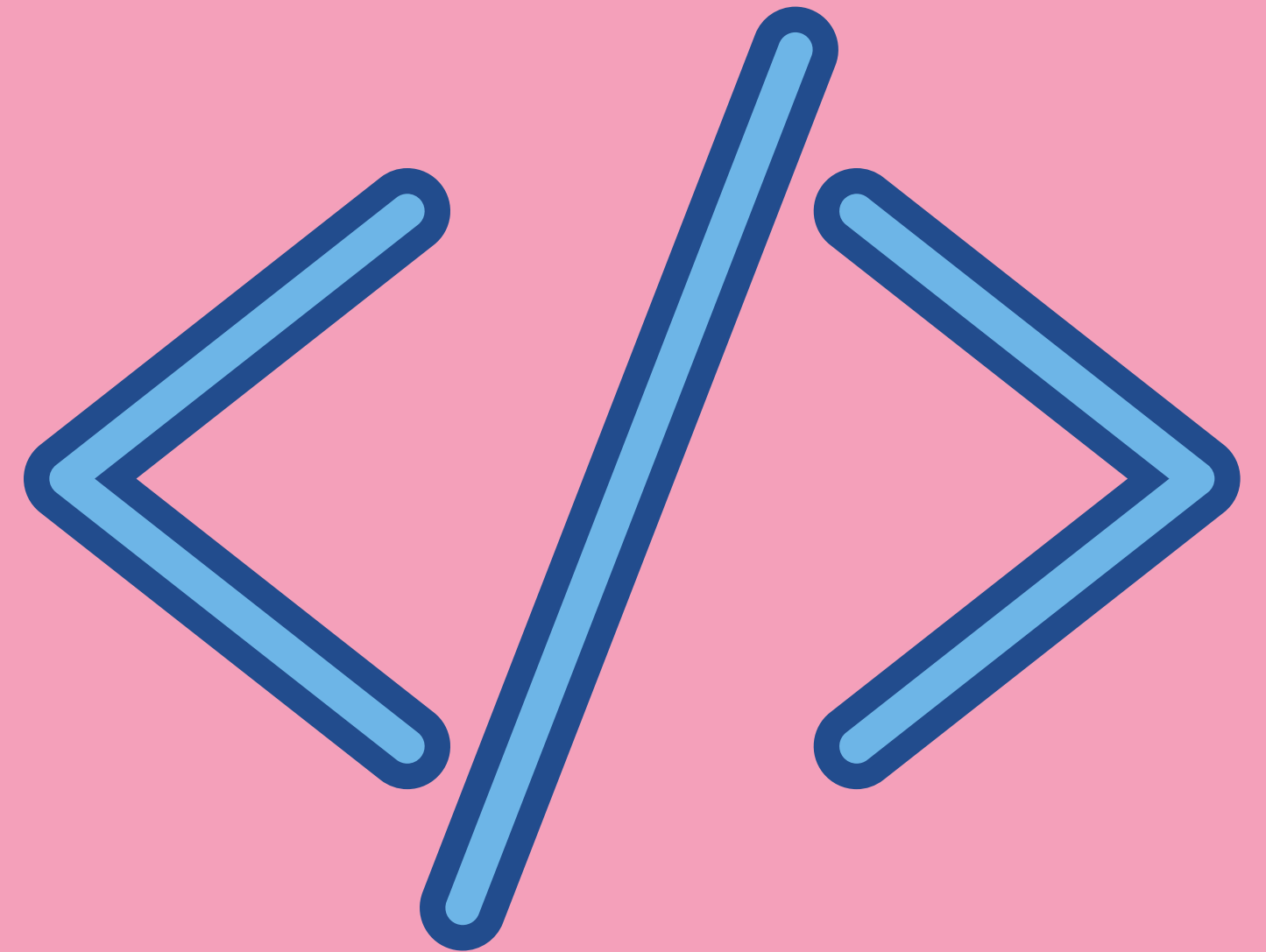
- To achieve high quality code and artifacts ready for deployment.

## Key Words.

- Compiling.
- Unit Testing.
- Static Analysis.
- Dependency vulnerability testing.
- Store Artifact.



It is safe to say CI has to do with anything involving source code!

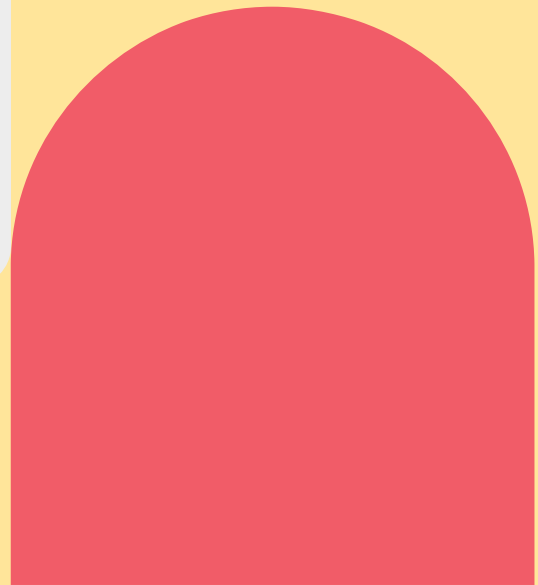




2

# What is CD?

A software engineering approach in which the value is delivered frequently through automated deployments.



# Goals/Keywords of CD.

## What is the ultimate goal of Continuous Deployment.

This is the the process of Deploying /releasing our software to the market. Includes keywords like creating infa, smoke testing(verify), etc.

## Benefits of CI/CD at the Business Level

- Automation of Infrastructure Creation creation will help avoid cost by providing less human errors.
- Quicker Release of features can help **increase revenue**.
- Automated smoke tests would help preserve our revenue, by reducing downtime.
- Detection of Security Vulnerabilities can help avoid cost and prevent embarrassing security holes.

