

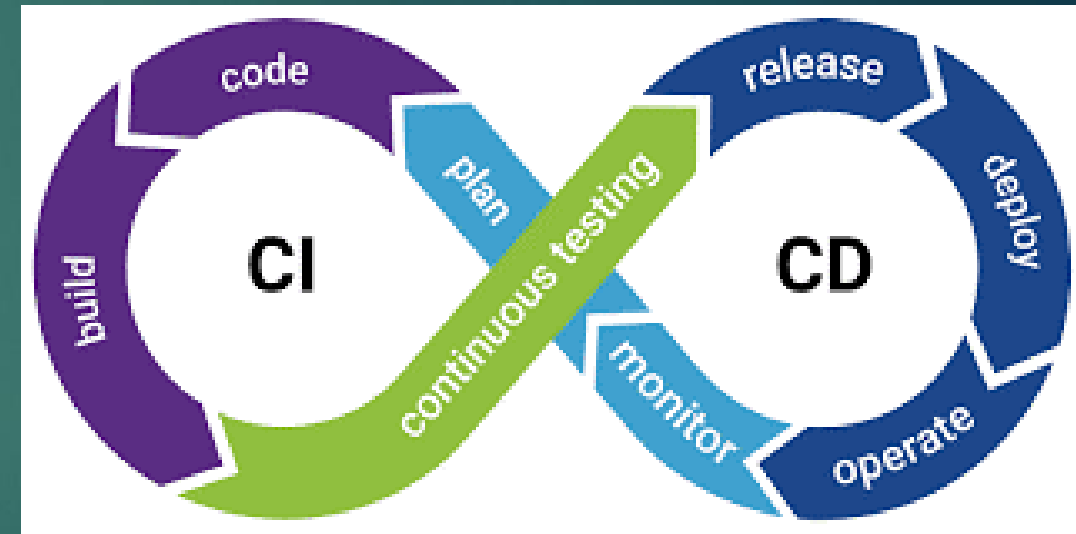


# CI/CD

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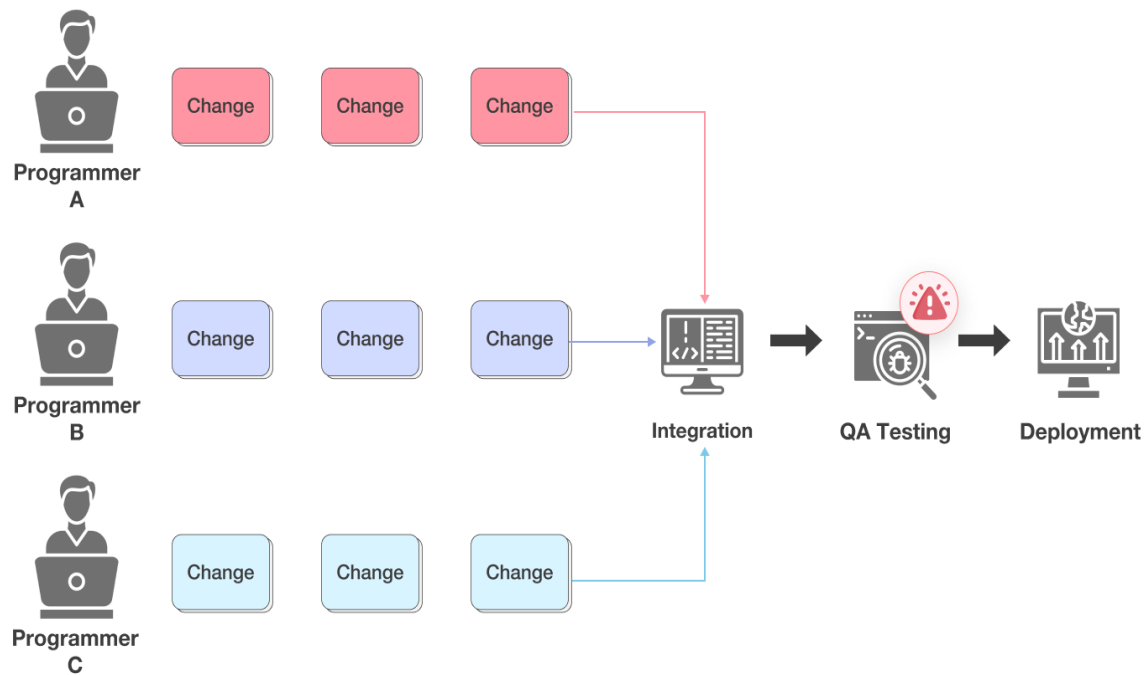
# What is CI/CD

- ▶ CI/CD is a method to frequently deliver apps to customers by introducing automation into the stages of app development.
- ▶ CI/CD is a solution to the problems integrating new code can cause for development and operations teams (AKA "integration hell").
- ▶ Specifically, CI/CD introduces ongoing automation and continuous monitoring throughout the lifecycle of apps, from integration and testing phases to delivery and deployment.

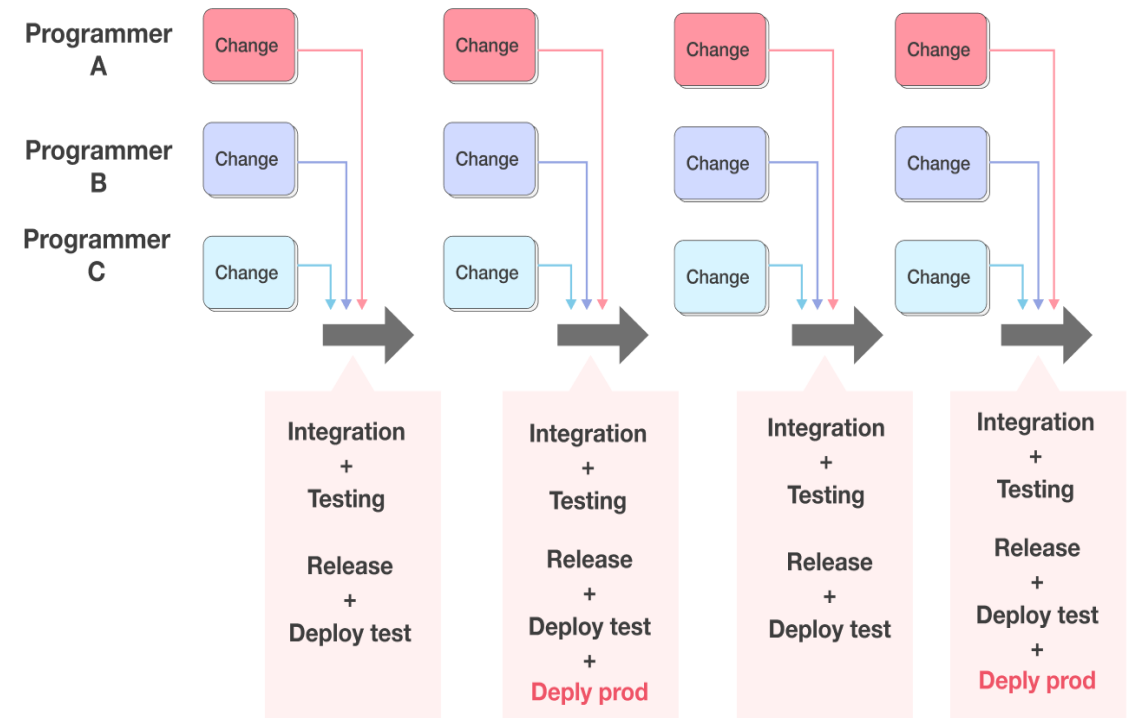


# Traditional way vs CI/CD

## Traditional Way



## With CI/CD



# Why CI/CD

- ▶ **Increase Revenue:**

- New value-generating features released more quickly.
  - Less time to market.

- ▶ **Protect Revenue:**

- Reduced downtime from a deploy-related crash or major bug.
  - Quick undo to return production to working state.

- ▶ **Customer Satisfaction**

- ▶ **Reduce Costs:**

- Less developer time on issues from new developer code.
  - Less infrastructure costs from unused resources.

- ▶ **Avoid Costs:**

- Less bugs in production and less time in testing.
  - Prevent embarrassing or costly security holes.
  - Less human error, Faster deployments