

# **FUNDAMENTALS AND BENEFITS OF CI / CD**

# KEY CONCEPTS OF CI/CD

## Continuous Integration

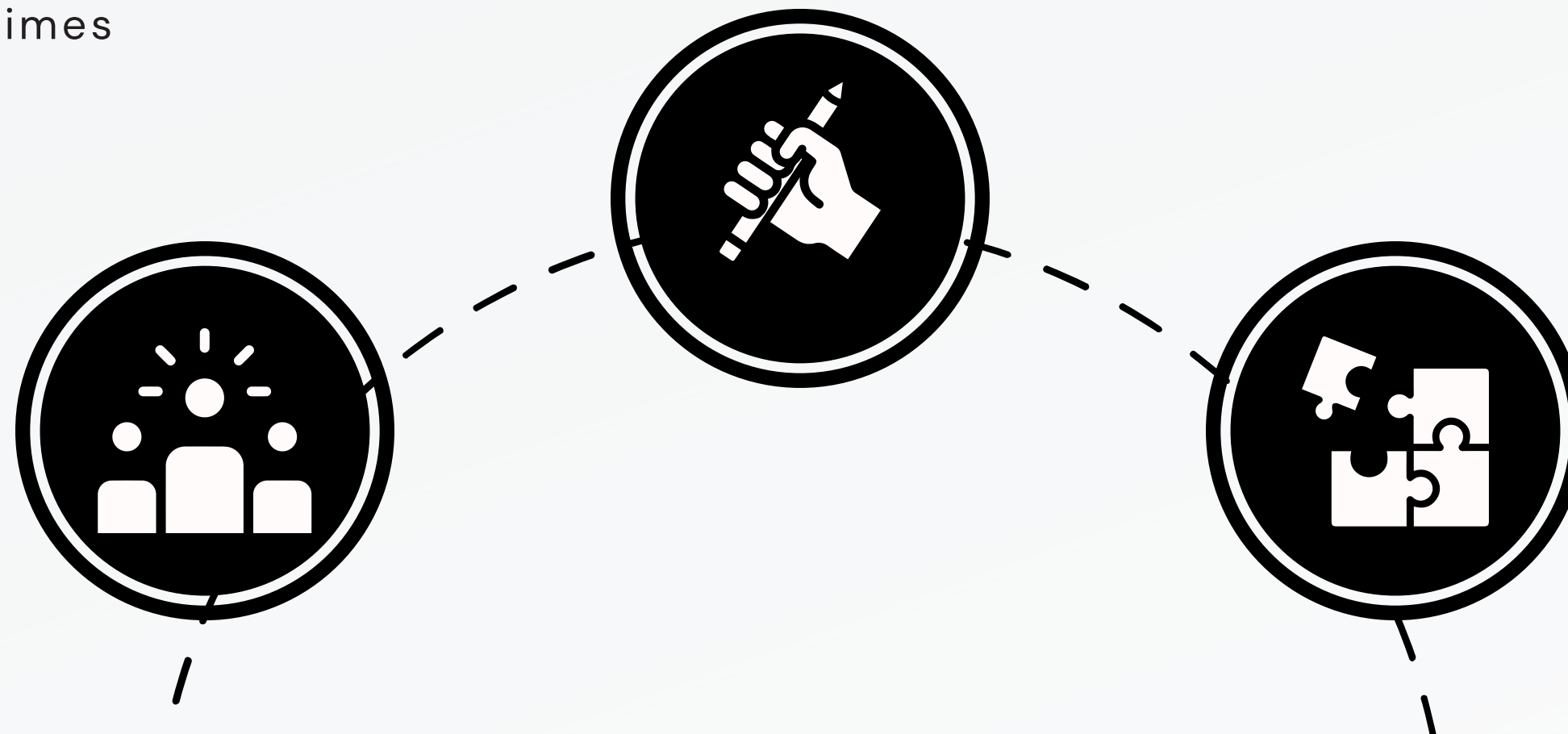
Automating the practice of merging all developers' working copies to a shared mainline several times a day.

## Continuous Deployment

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

## Continuous Delivery

An engineering practice in which teams produce and release value in short cycles.



# CI/CD TO REDUCE AND AVOID COST



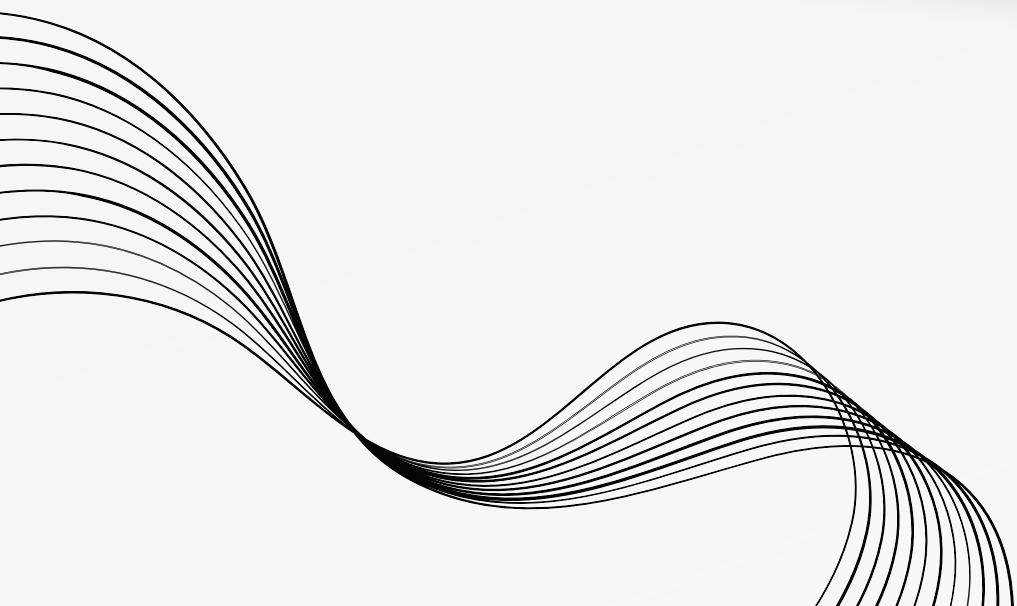
Less human error, Faster deployments



Less infrastructure costs from unused resources



Less bugs in production and less time in testing



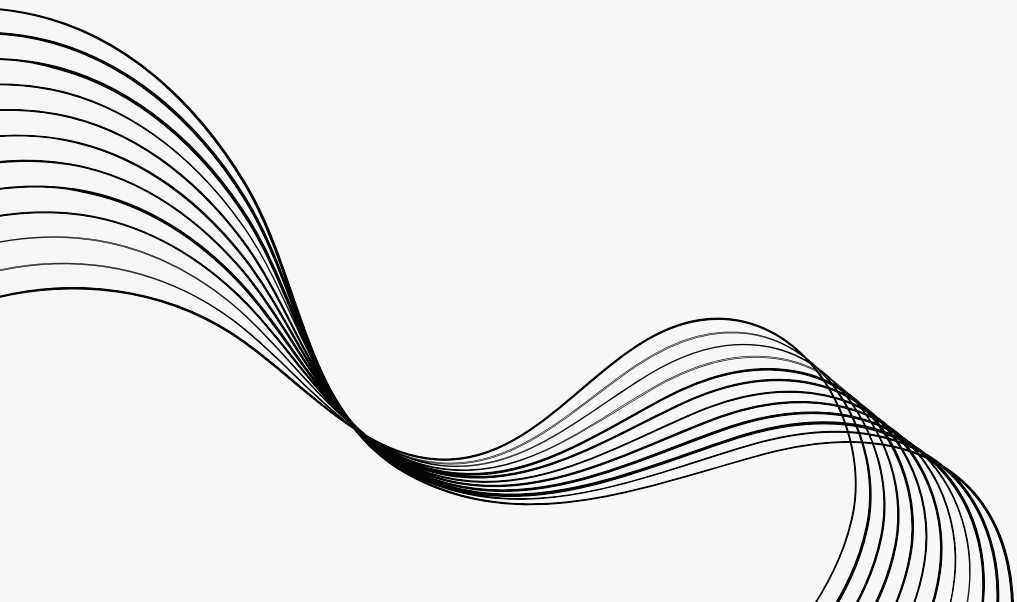
# CI/CD TO PROTECT REVENUE



Reduced downtime from a deploy-related crash or major bug



Quick undo to return production to working state



# CI/CD TO INCREASE REVENUE



Less time to market



Reduced downtime from a deploy-related crash or major bug

