CI/CD

THE AUTOMATED PROCESS TO BETTER, FASTER, MORE WELL EQUIPPED DELIVERIES

CI =

CONTINUOUS INTEGRATION

- CONTINUOUS INTEGRATION FOCUSES ON THE SOURCE CODE
- CI FOCUSES ON THE CODE TO AUTOMATE MANUAL TASKS SUCH AS COMPILING CODE, UNIT TESTS, STATIS ANALYSIS, DEPENDANCY VULNERABILITIES, AND USING CODE TO GENERATE ARTIFACTS
- AUTOMATING SUCH MANUAL TASKS, FREES TIME FOR DEVELOPERS TO FOCUS ON OTHER MORE IMPORTANT TASKS OR ALLOW ROOM FOR NEW CODE/IDEAS

CD =

CONTINUOUS DEPLOYMENT

- CONTINUOUS DEPLOYMENT FOCUSES ON THE AUTOMATED DEPLOYMENTS BEING DELIVERED FREQUENTLY WITH HIGH VALUE
- CD HANDLES EVERYTHING FROM CREATING INFRASTRUCTURE, PROVISIONING SERVERS, COPYING FILES, PROMOTING TO PRODUCTION, SMOKE TESTS, ROLLBACKS AND EVERYTHING ELSE WITH THE ALREADY BUILT-IN CODE

BENEFITS OF CI/CD

- FAILURES ARE CAUGHT EARLIER AND FIXED EARLIER. THUS, SAVING COSTS
- QUALITY OF THE PRODUCT INCREASES DUE TO LESS MANUAL HUMAN ERROR
- AUTOMATION ALLOWS DEVELOPERS TO HAVE MORE FREE TIME, INCREASING REVENUE
- LESS UNUSED RESOURCES MEANS LESS INFRASTRUCTURE COSTS
- SECURITY VULNERBAILITIES ARE DETECTED FAST, WHICH SECURES THE PRODUCT AND AVOIDS COSTS

NEGATIVES OF CI/CD

- MIGHT NEED A HIGHER BUDGET FOR THE PIZZA DUE TO MORE SUCCESSFUL DELIVERIES