

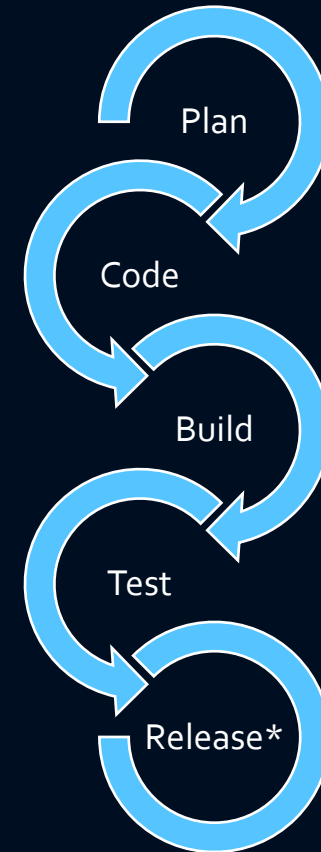
# CI / CD – Pipelines of Efficiency

HOW WE CAN RAPIDLY SHIP PRODUCTS FASTER WITHOUT  
FEAR OF BREAKAGE

KOLAPO OBAJULUWA

# CI – Continuous Integration

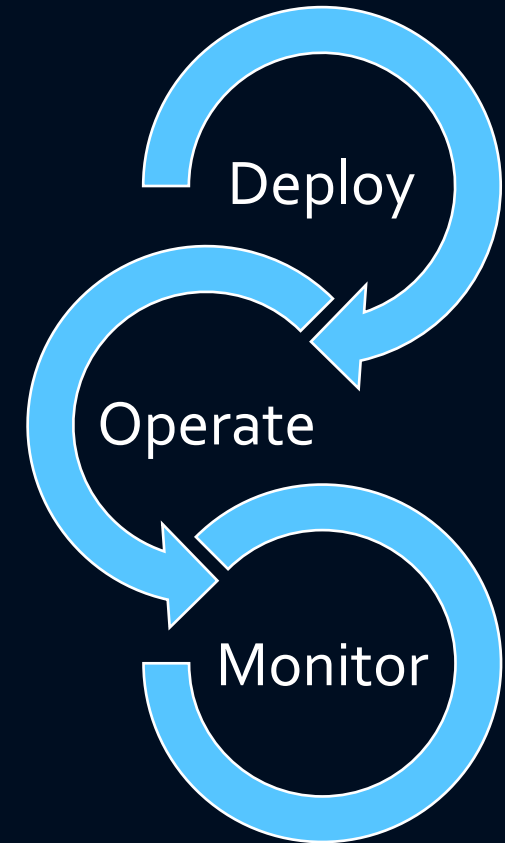
- Developers regularly submit their code changes to a central pipeline
- Every submission automatically builds the code and tests it
- Ultimately, a high quality and deployable artifact is made and stored



\* - Release phase is centred around repository commits and adequate documentation of the changes

# CD – Continuous Delivery

- Second half of the CI/CD pipeline
- Automatically create and configure infrastructure to host artifact generated in CI process
- Deploys to testing and/or production environment after successful passage of all tests in the pipeline



# Benefits of CI/CD

- Automate Infrastructure Creation:
  - Avoid costs with less human involvement and error, leading to faster deployments
- Faster and More Frequent Production Deployments:
  - Increase revenue by releasing new value-generating features more quickly
- Automated Smoke Tests:
  - Protect revenue by reducing downtime from a deploy-related crash or a major bug





# Benefits of CI/CD

- Detect Security Vulnerabilities:
  - Avoid cost by preventing embarrassing or costly security holes.
- Deploy to Production Without Manual Checks:
  - Increase revenue by making features take less time to market.
- Detect Security Vulnerabilities:
  - Avoid cost by preventing embarrassing or costly security holes.

