

What is CI/CD

Continuous Integration:

It is the practice of making all the developers work together without interrupting each other, and this includes Compile, Unit Test, Analysis, and other benefits.

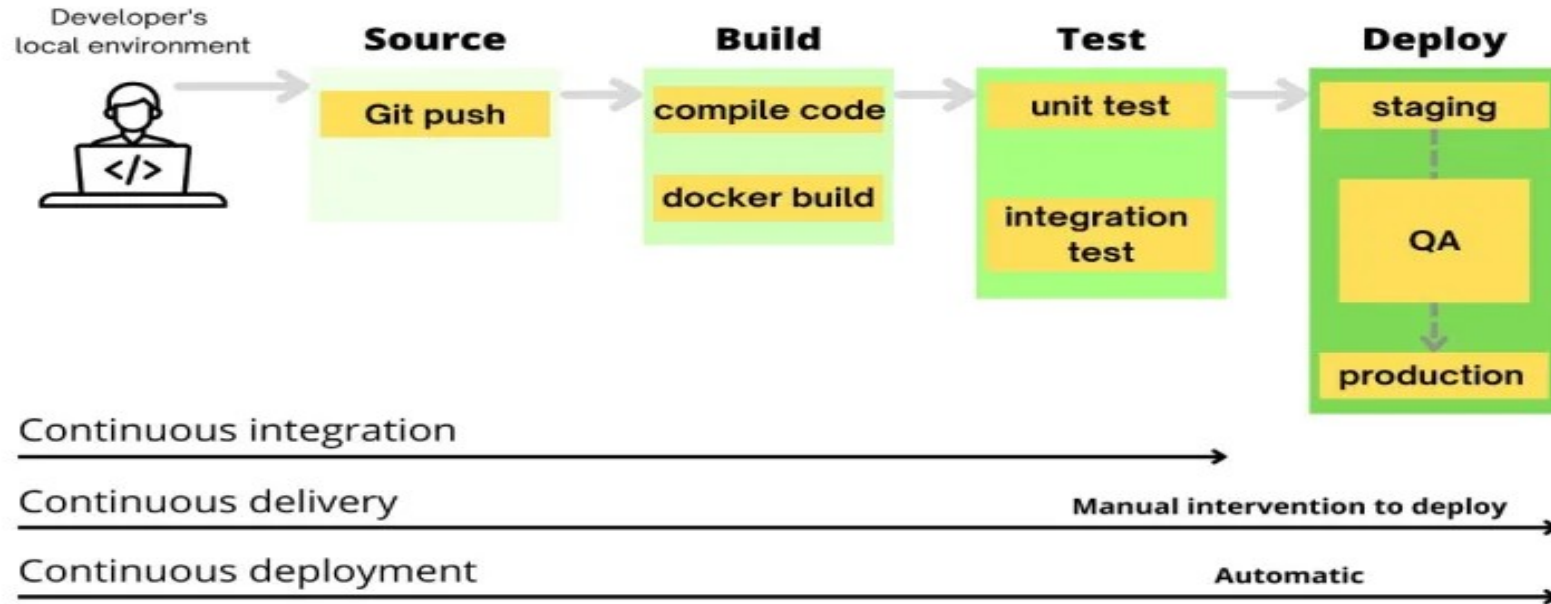
Continuous Deployment:

It is an approach that makes the deployments fully automated, so this makes a fast and reliable delivery and satisfy the customer, and this includes infrastructure creation, taking care of the servers, adding the files, smoking tests, production, and rollbacks.

Benefits of CI/CD

- Less bugs in production
- Prevent embarrassing or costly security holes
- Less developer time on issues from new developer code
- Quick undo to return production to working state
- Less human error, Faster deployments
- New value-generating features released more quickly
- Less time to market
- Reduced downtime from a deploy-related crash or major bug
- Quick undo to return production to working state

CICD workflow



Conclusion

CICD is the best solution for deployment for the developer side and client side that grants a reliable and updated product with the minimalist cost