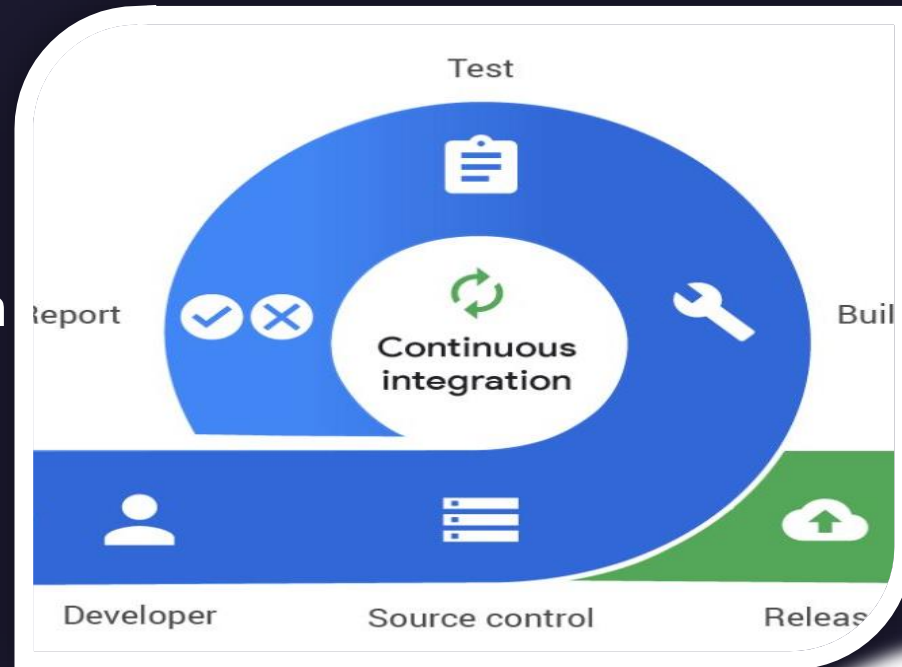# CI/CD - Continuous Integration/ Continuous Deployment and its benefits to Business Operations
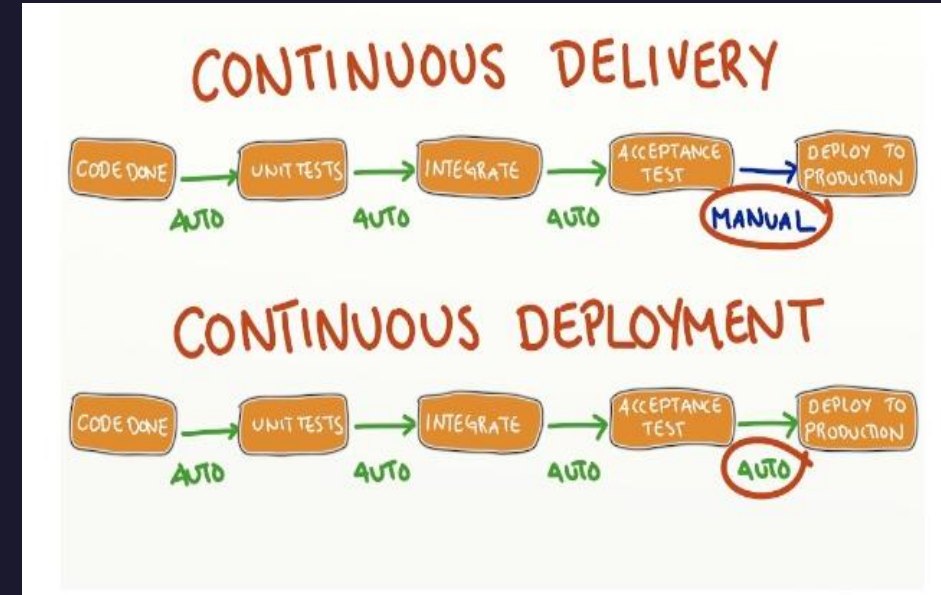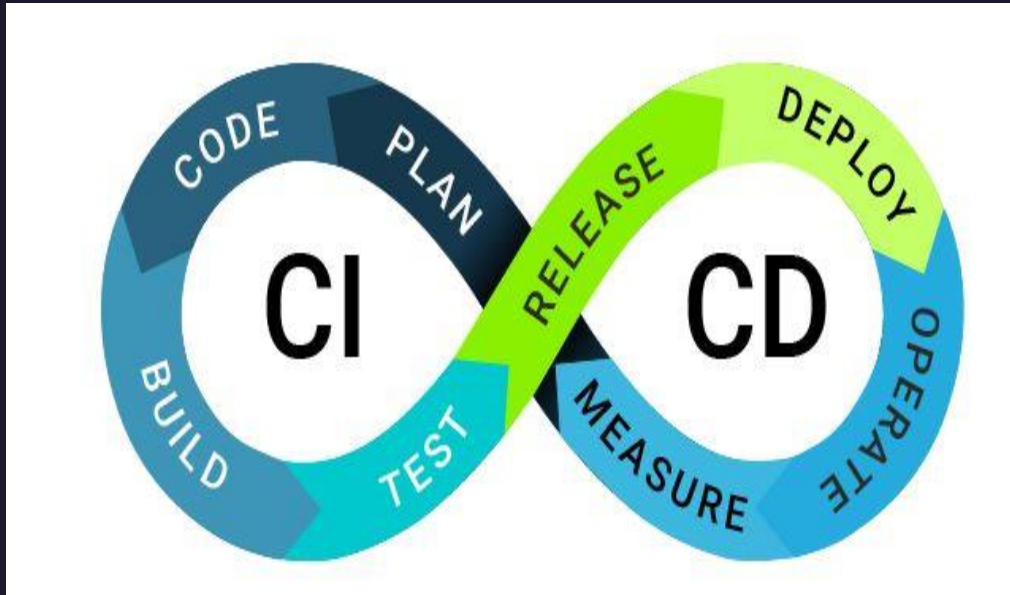
CONTINUOUS INTEGRATION

This is the process of automation where new code change that is written is easily built, tested and merged to a shared repository.

CONTINUOUS DEPLOYMENT

This is a methodology that ensures that new changes to code are automatically tested and verified to be working and safely deployed to the production environment

CI/CD Pipeline

- A continuous delivery pipeline automatically tests the application but keeps the deployment decision as a manual step. A continuous deployment pipeline, on the other hand, will automatically deploy this working version. There is no "right" way. Different organizations have different needs. Use the one that delivers the most value to your customers!.

BENEFITS

- Accelerated Release Cycles

- Easy Maintenance, updates & Updates

- Less testing time with increased reliability

- Reduced costs and build profits

- Less time to respond to customer evolving needs

- Increased transparency and accountability

- # Customer Satisfaction

Streamlined update to services keeps the customer engagement open for better collaboration. Cost of fixing production level defects are brought down drastically. Customer request are easily and urgently attended to with continuous quality through deployment.

- # Reduced costs and profit increase

Reduced deploy errors helps to safe and reduce the
time from crash or bug associated with deployment
of artifacts protecting revenue for the business to enhance
great profit margin