SHIFTING LEFT WITH CI/CD AND THE PROMISE OF CONTINUOUS EVERYTHING
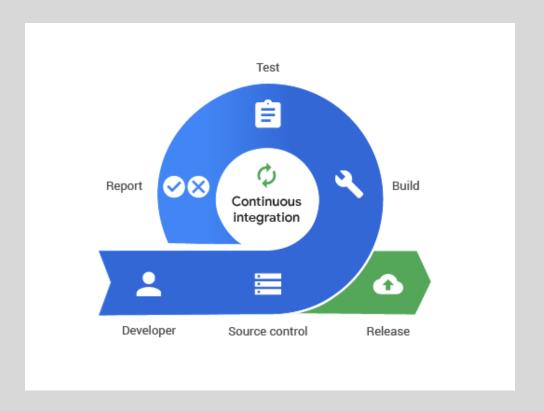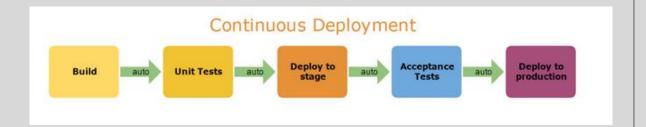
Continuous integration

○ Is the process of integrating code changes from multiple contributors to create a single software project.

○ It's all about code and 'Dev' workflow.

○ CI related phases:-

Continuous Deployment

◦ Continuous Deployment takes care of the deployment of the new version of the application to the users automatically.

◦ It's all about deployments and "Ops" workflow

◦ CD related phases:-

Benefits Of Implementing CI/CD

- Avoid Cost

1. Less bugs in production and less time in testing

2. Less human error, Faster deployments

3. Prevent embarrassing or costly security holes

- Reduce Cost

1. Less developer time on issues from new developer code

2. Less infrastructure costs from unused resources

Benefits Of Implementing CI/CD

- Increase Revenue

1. New value-generating features released more quickly

2. Less time to market

- Protect Revenue

1. Reduced downtime from a deploy related crash or major bug

2. Quick undo to return production to working state