



# Continuous Integration



- CI provides faster workflow by allowing development tasks to be developed independently.
- It also provides faster feedback on business decisions because tests can be done faster which translates in less time and lower budgets.
- It's all about code & Dev workflow.
- CI can help with several phases such as: Build, Unit testing and Static analysis.

# Continuous Deployment



- CD is mainly about deploying the artifact automatically in a way where jobs can follow each other to maintain best output and results for better development operation until the end.
- In CD the product is being tested and delivered to the customers or users to serve their needs and gets the revenue without human interaction.
- It's all about deployment & Ops workflow.
- CD help with several phases such as Provisioning infrastructure, Configuring infrastructure, Promotion, Smoke testing and more.

# Benefits of CI/CD



- Avoiding cost: by avoiding more bugs in production, taking less time in testing, preventing costly security holes and human errors all these combined together will avoid so much cost that would have been paid if CI/CD did not exist to provide all these great features.
- Reducing cost: by making developer time lower on issues that come from new code and also less infrastructure costs from unused resources that will be replaced with the pipeline, all these combined together will help reduce much costs that the organization would pay if CI/CD didn't exist.

# Benefits of CI/CD



- Increasing revenue: as new features can be released faster and also in lower time to be launched to the market, with these great features that CI/CD provide we can increase our revenue within the year by doing more projects and more work than any other done without CI/CD.
- Protecting revenue: by reduced downtime that can be caused by a bug or a deployment crash, also quick rollback to return production to the working state, with these great features we can make sure our revenue is being protected as we can go back to working state whatever was the problem in almost no time compared to traditional ways before CI/CD, thanks to CI/CD we can now work without caring much and without having the headache about failing systems that needs much time to come back to life again.