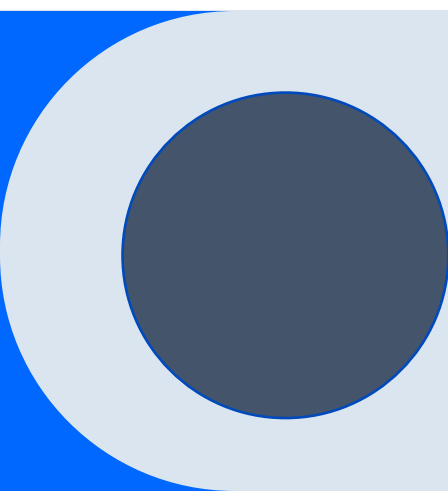




# CI/CD - *A way to* better revenue

Benefits of CI/CD to automate, increase efficiency of our delivering cycle



# Continuous Integration

- Continuous Integration (CI) is **the process of integrating code changes from multiple contributors to create a single software project**
- Everything related to the code fits here, and it all serve in the end the ultimate goal of CI: a fast-produced, high quality, deployable artifact!
- Some common CI-related phases might include:
  - Compile
  - Unit Test
  - Static Analysis
  - Dependency vulnerability testing
  - Store artifact

# Continuous Deployment

Continuous deployment (CD, or CDE) is a strategy or methodology for software releases where any new code update or change made through the rigorous automated test process is deployed directly into the live production environment, where it will be visible to customers.

Everything related to deploying the artifact autonomously fits here. It's the process of "Moving" the artifact from the shelf to the spotlight without human intervention.

# Continuous Deployment Cont.

Some common CD-related phases might include:

- Creating and configuring infrastructure
- Promoting to production
- Smoke Testing (aka Verify)
- Rollbacks in case if any failure

# Benefits of CI/CD at the Business Level

The rationale of CI/CD is the famous saying: 'a penny saved is a penny earned', so here's a preview of the business benefits of setting up a CI/CD pipeline:

- Automate Infrastructure Creation:

This will help to avoid cost by providing less human error, which means faster deployments

- Faster and More Frequent Production Deployments:

This would help to increase revenue by releasing new value-generating features more quickly

- Automated Smoke Tests:

This would help protect revenue by reducing downtime from a deploy-related crash or a major bug

# Benefits of CI/CD at the Business Level Cont.

- Detect Security Vulnerabilities:

This would help to avoid cost by preventing embarrassing or costly security holes.

- Deploy to Production Without Manual Checks:

This would help to increase revenue by making features take less time to market.

- Detect Security Vulnerabilities:

This would help to avoid cost by preventing embarrassing or costly security holes.

And many more ...



# Thank you

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