Impact of CI/CD

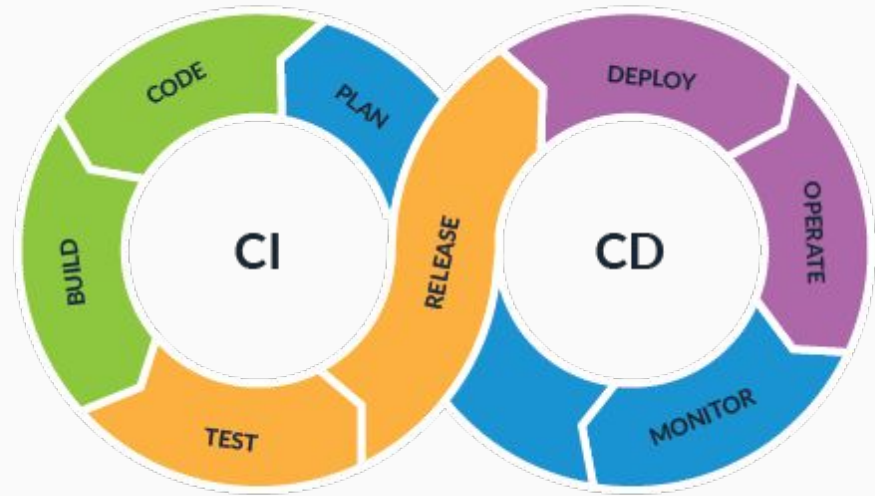"True North". Towards a Repeatable Reliable Process

Transition

Continuous Delivery

The end goal is continuous delivery, being able to release features in a reliable repeatable manner.

The impact

- Better Customer Experience
- Efficient Developer Productivity
- Less time to market, means more offering which in turn increase revenue
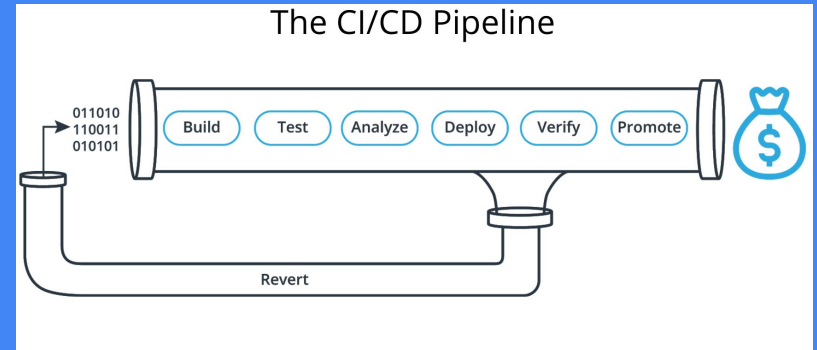
Benefits of CI/CD

- Faster and More Frequent Production Deployments, which drives the quick release of new value generating features
- Detect Security Vulnerabilities, thereby preventing costly and embarrassing security holes
- Automate Infrastructure Creation aid faster valie creating and reduces human errors.

- Automate Infrastructure Cleanup saves the business money by deleting unused cloud resources
- Automated Rollback Triggered by Job Failure reduces the chances of downtime and improving user retention
- Catch Unit Test Failures aids Less bugs in production and less time in testing

Continuous Feedback loop

Ensuring the quality of products out of the pipeline is top notch.

The CI/CD Pipeline

011010
110011
010101

Build Test Analyze Deploy Verify Promote

Revert

"Agile and DevOps are for harnessing integration, interaction, and innovation."

— Pearl Zhu

If we keep continuous delivery as our "eventual destination", then every small improvement in that direction will be a win.

Thanks!