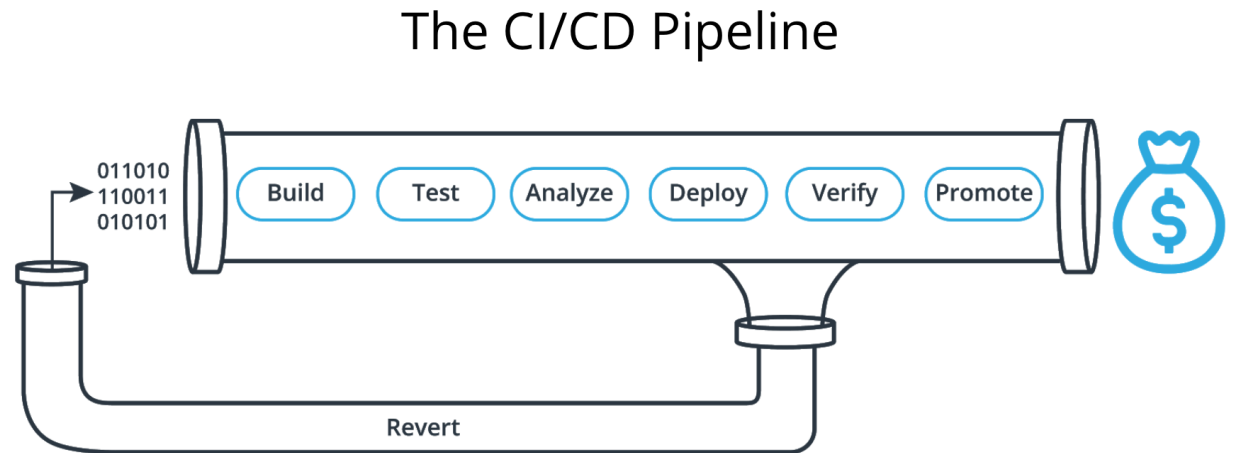∞ CI/CD ∞

We need to build a pipeline

What is the pipeline?

- Automate every job we do to make it faster, easier with less human errors.
- Automate testing of every part of the process therefore catching errors as soon as possible.
- Detect security vulnerabilities automatically as soon as the build and testing is done.
- Less time to market.
- Automated rollback.

The CI/CD Pipeline

011010
110011
010101

Build   Test   Analyze   Deploy   Verify   Promote

Revert

Benefits

FOR IT

- Less time on issues from new code
- Automated unit testing
- Better detection of security holes
- Automated infrastructure deployment, configuration and cleanup.
- Faster and automated deployment to production
- Automated smoke test
- Automated rollback in case of job failure

FOR BUSINESS

- Reduced cost
- Avoiding unexpected costs
- Increasing revenue as we can deliver more features
- Protecting revenue

References

https://classroom.udacity.com/nanodegrees/nd9991-fwd-t3/