UdaPeople

CI/CD

Mike Jones - 14/06/22

Continuous Integration

What is it?

- Compile

- Unit Test

- Static Analysis

- Dependency vulnerability testing

- Store artifact
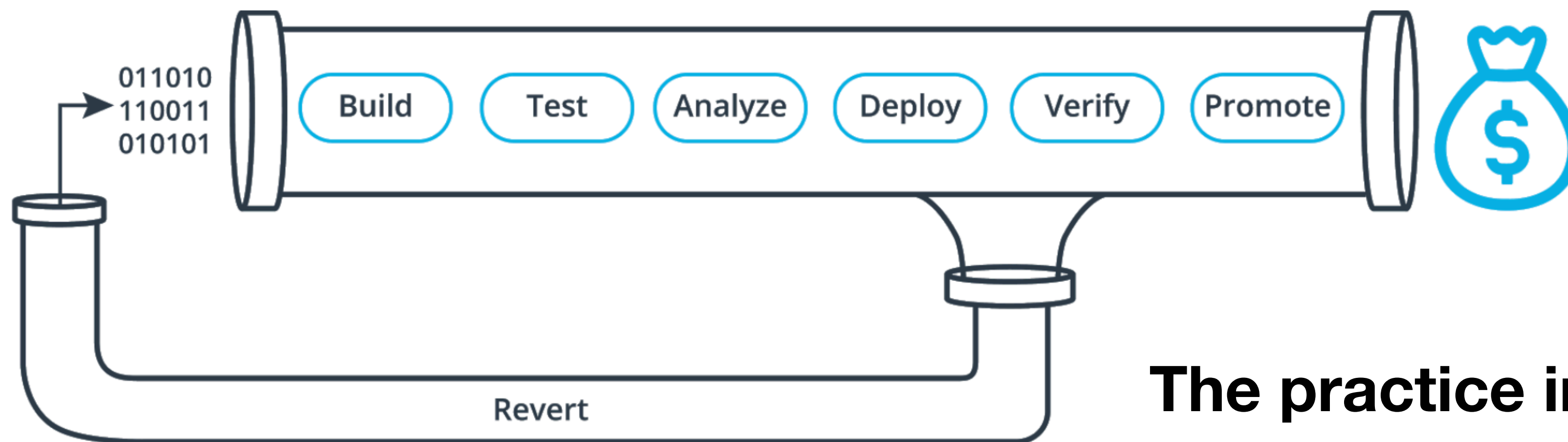
Continuous Deployment

What is it?

- Creating infrastructure

- Provisioning servers

- Copying files

- Promoting to production

- Smoke testing

- Rollbacks

Continuous Integration + Continuous Deployment = Continuous Delivery

The CI/CD Pipeline

011010
110011
010101

Build   Test   Analyze   Deploy   Verify   Promote

Revert

The practice in which teams produce and release value in short cycles

What does it give us

The benefits

- Less developer time on issues from new code = reduced cost

- Less human error through faster deployments = avoid cost

- New value-generating features released more quickly = increased revenue

- Reduced downtime from a deploy-related crash = protect revenue

Technical Team

One Team

Business Team