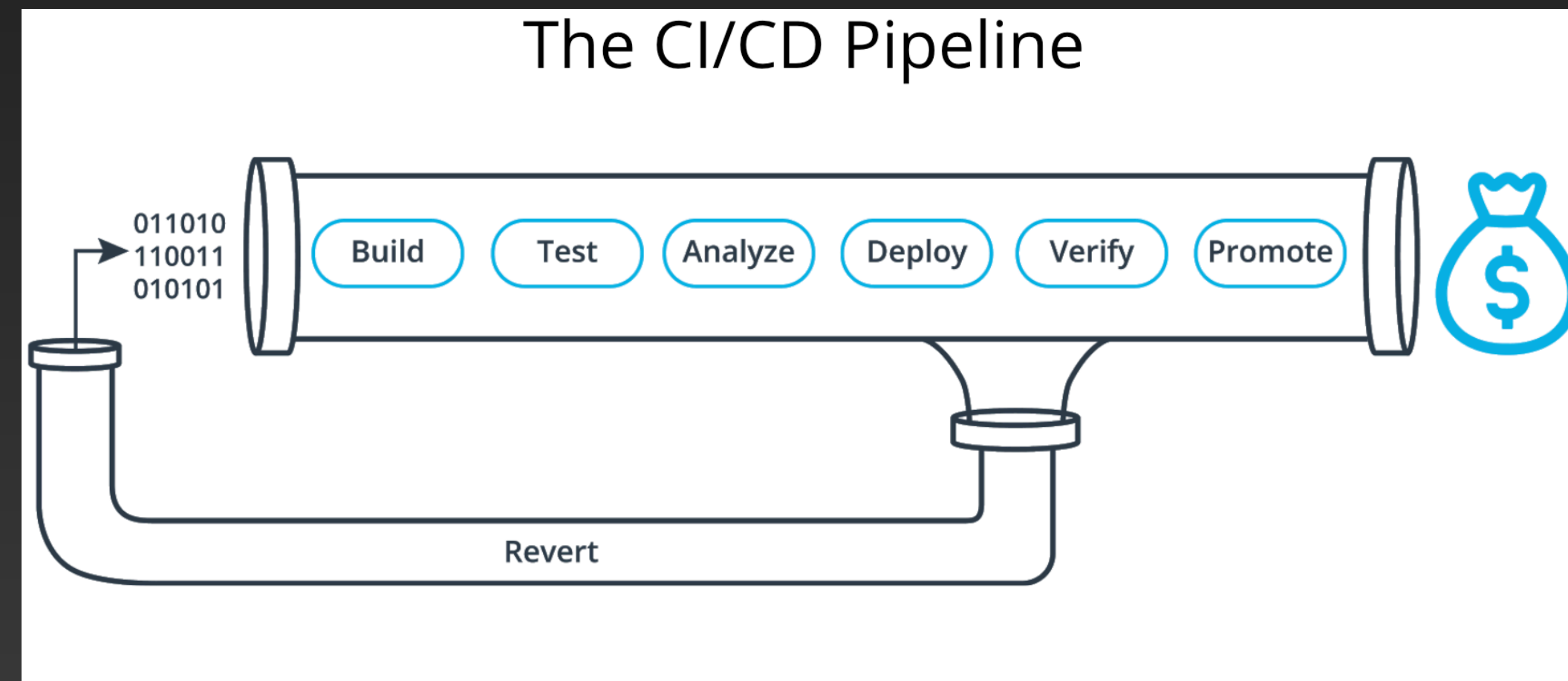


Lightning Fast Software Development With CI/CD

By David Jarrin

What is CI/CD

- CI/CD stands for “Continuous Integration”/“Continuous Deployment”
- “Continuous Integration” is the practice merging and checking the standards of the code from multiple developers in an automated fashion.
- “Continuous Deployment” is the practice of automating any of the processes related to deploying code to a server (creating infrastructure, provisioning servers, promoting to production, smoke testing, roll backs).



Continuous Delivery

- CI/CD = Continuous Delivery
- Continuous Delivery primary objective is to bring new features and value to customers and stakeholders at a quicker pace and a reduced cost.
- This is accomplished by automating everything related to the deployment process (which reduces errors)

Continuous
Integration + Continuous
Deployment = Continuous
Delivery

Benefits of CI/CD

- Developers will spend less time on issues with their and their teammates code (Reduced Developer Costs)
- Will result in less bugs in production because of better automated testing practices (Avoiding extra cost of fixing bugs)
- Will be able to deploy to production without less human interactions (Can bring products to market faster)
- Can automate rollbacks after deployments (Will protect the revenue being brought in by the application)
- Will be able to deploy faster and more frequently (This will result in quicker fixing of bugs and more features being brought to market)