

CI/CD, CONTINUOUS DELIVERY - PROJECT PITCH

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CONTINUOUS DELIVERY

- It's a practice where project team delivers value in short cycles
- Focuses on automating software delivery process
- Combination of Continuous Integration(CI) and Continuous deployment(CD)
- Principles : Repeatable Reliable Process, Automate Everything, Version Control Everything, Bring the Pain Forward, Build-in Quality, "Done" Means Released, Everyone is Responsible, Continuous Improvement

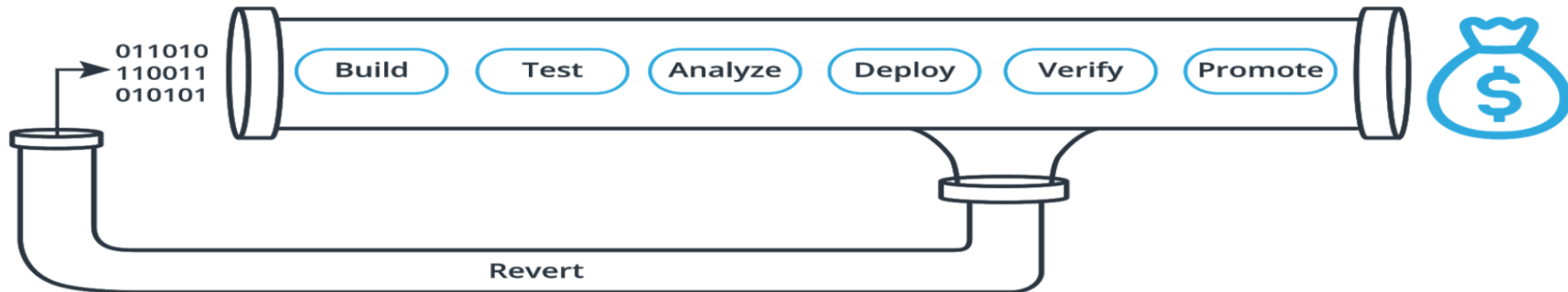
CI/CD

- CI : Continuous Integration, a practice where developers will integrate to code to central repository often. There by avoiding integration activity as a big festival at last.
- CI – Activities : Compile Code, Unit Test, Static code analysis, Scan for vulnerability
- CD : Continuous Deployment, a practice where deployment and code promotion to production region is automated without human intervention.
- CD – Activities : Create Infra, Provision Server, Promoting to Production, Rollback

CI/CD PIPELINE

- A set of Data processing elements where output of one item is input of other.
- Few Tools : Circle CI, Jenkins, AWS(Infra), Ansible, Git

The CI/CD Pipeline



VALUES

- Less Developer time on issues due to new code, providing a business benefit of Reduced Cost -
- Avoid cost by identifying defect earlier to production
- Faster deployment without human errors which avoid cost in other ways.
- Infra clean up without human errors and intervention which avoid cost in unwanted resources.
- Increased revenue by delivering new feature in less time.
- Avoid production crashes which saves revenue

THANK YOU