

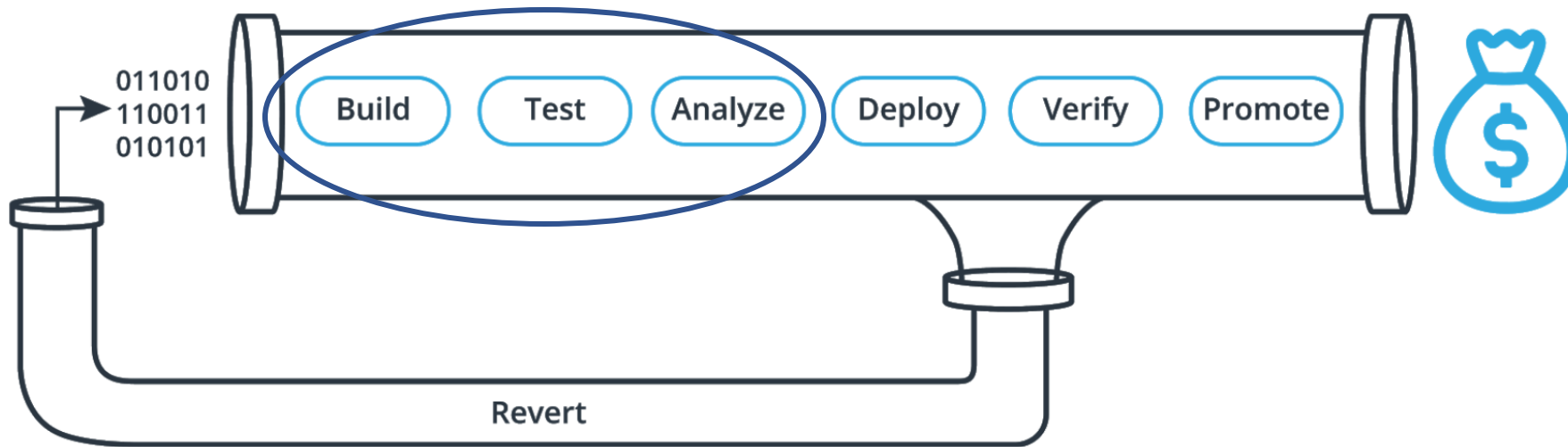
Business Benefits of CI/CD

Ahmed ElNabawy

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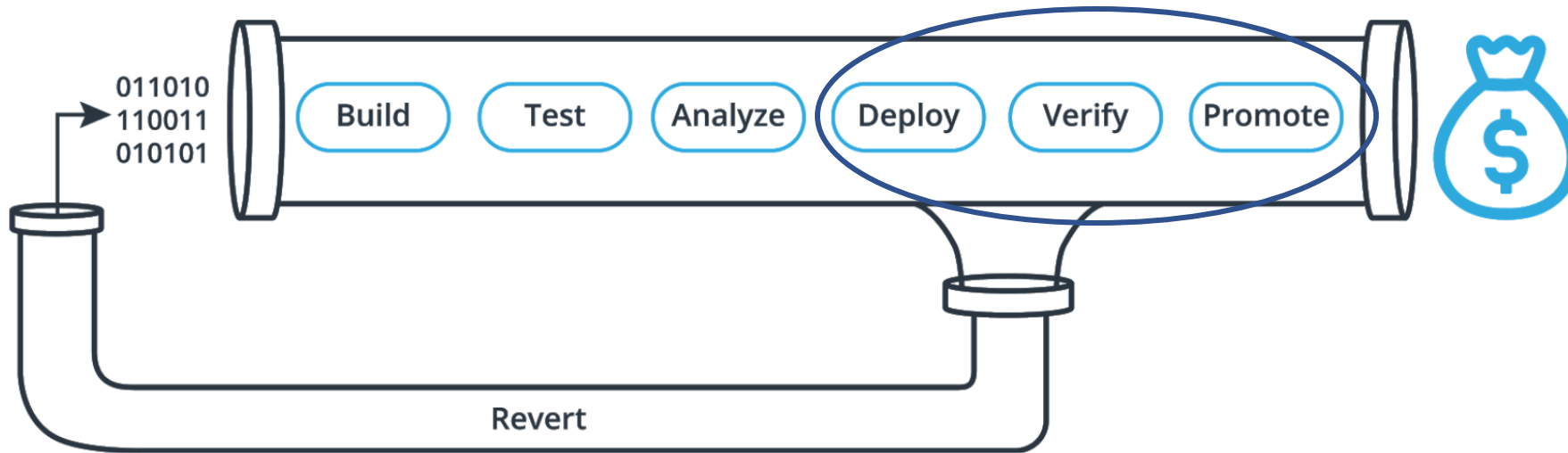
Continuous Integration (CI)

It is the practice of automating the integration of code changes from multiple contributors into a single software project.



Continuous Deployment (CD)

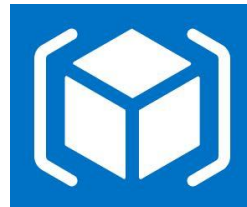
A software engineering approach in which the value is delivered frequently through automated deployments.



Costs

Avoid Costs

- Less bugs in production and less time in testing due to catching unit test failures.
- Prevent embarrassing or costly security holes as it detects Security Vulnerabilities.
- Less human error, Faster deployments as it automates Infrastructure creation.



Reduce Costs

- Less developer time on issues from new developer code due to catching compile errors directly after merge.
- Less infrastructure costs from unused resources due to the Automated Infrastructure Cleanup.



Avenue

Increase Avenue

- New value-generating features released more quickly due to faster and more frequent production deployments.
- Less time to market as deployment to production will be without manual checks.



Protect Avenue

- Reduced downtime from a deploy-related crash or major bug due to the automated smoke tests.
- Quick undo to return production to working state as there is automated rollback that is triggered by job failures.

