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CI/CD benefits for Udapeople

FUNDAMENTALS OF CI/CD

The CI/CD Pipeline

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010101

Build Test Analyze Deploy Verify Promote

Revert
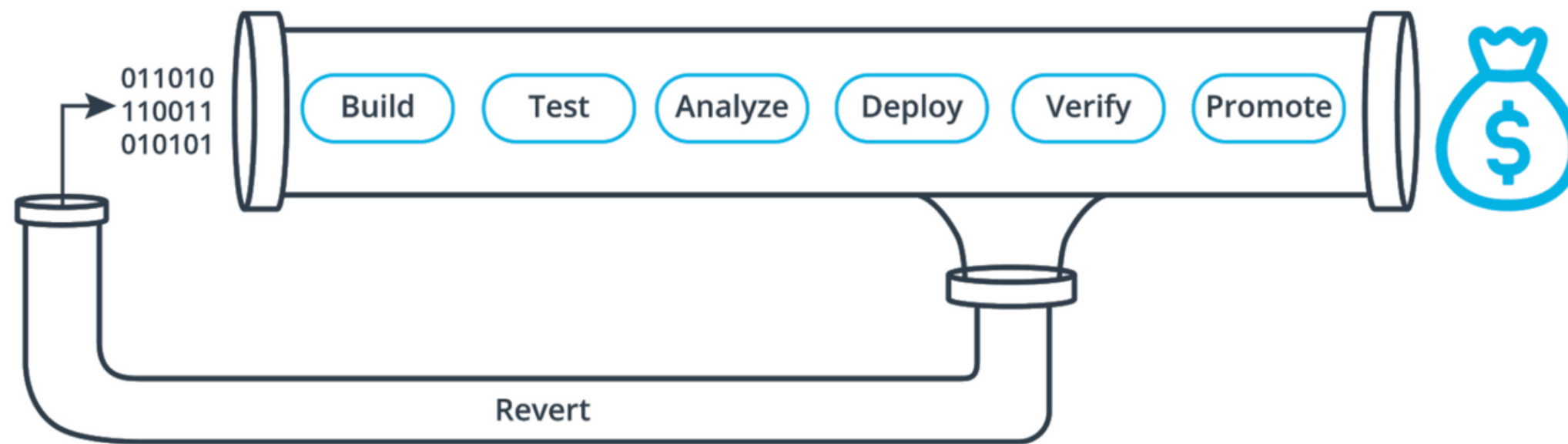
- Continuous Integration: The practice of merging all developers' working copies to a shared mainline several times a day.
- Continuous Delivery: An engineering practice in which teams produce and release value in short cycles.
- Continuous Deployment: A software engineering approach in which the value is delivered frequently through automated deployments.

BENEFITS OF CI/CD

Reduce Cost

- Less developer time on issues from new developer code

- Less infrastructure costs from unused resources

Avoid Cost

- Less bugs in production and less time in testing

- Prevent embarrassing or costly security holes

- Less human error, Faster deployments

BENEFITS OF CI/CD

Increase Revenue

- New value-generating features released more quickly

- Less time to market

Protect Revenue

- Reduced downtime from a deploy-related crash or major bug

- Quick undo to return production to working state

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Let's embrace CI/CD!