# CI/CD

Project: Give Your Application Auto-deploy Superpowers

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# Concepts of CI/CD

- **Continuous Integration:** Refers To Merge All Small Pieces Of Changes From Developers And Collect It As An One Code

- **Continuous Deployment:** Refers To Release A Developer's Changes After Continuous Integration To The World Without Any Human Interaction, Where It Is Usable By Customers
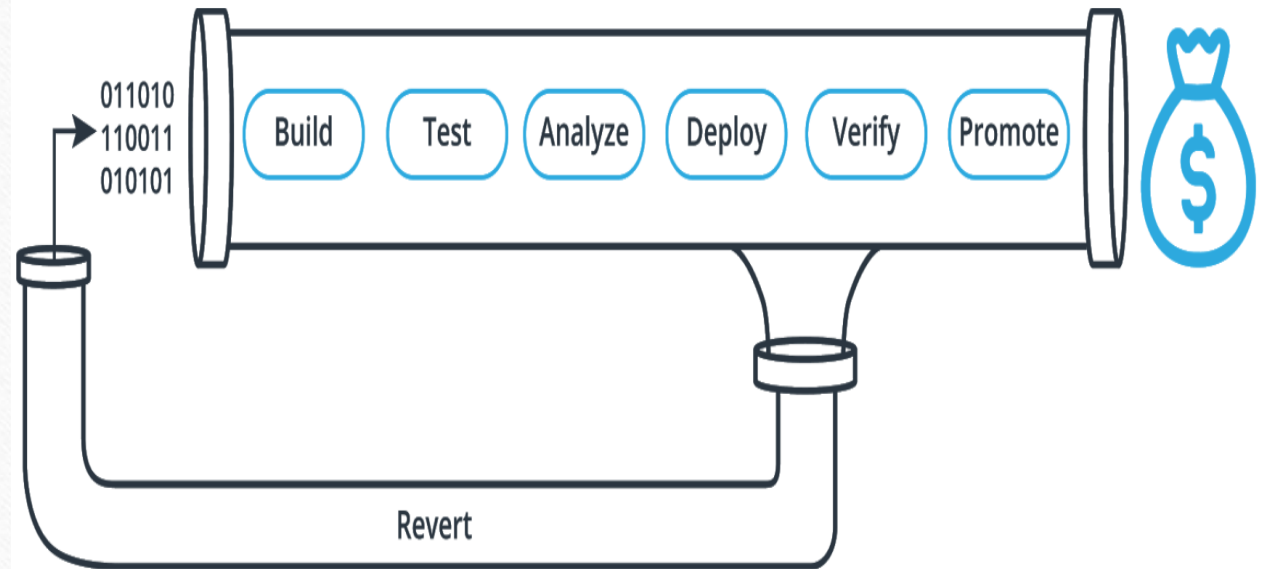
# Steps For CI/CD



The Steps Are Divided Into Several Stages between Continuous Integration and Continuous Deployment

Continuous Integration responsible for the first three steps

Continuous Deployment responsible for the rest of steps

# Benefits of CI/CD

- Reduce Cost: Less developer time on issues from new developer code

- Avoid Cost: Less bugs in production , less time in testing , Prevent embarrassing or costly security holes , Less human error and Faster deployments

- Increase Revenue: New value-generating features released more quickly and Less time to market

- Protect Revenue: Reduced downtime from a deploy-related crash or major bug

# Thank you