CI/CD

Fundamentals and Benefits

A Methodology to Achieve, Build, and Deploy
Automation for Cloud-Based Software Products

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01 FUNDAMENTALS OF CI/CD

Continous Delivery

An engineering practice in which teams produce and release value in short cycles.

Continous Deployment

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

Continous Integration

The practice of merging all developers' working copies to a shared mainline several times a day.

CI/CD

Combination of all the aformentioned terms to achieve smooter Software Development.

02 BENEFITS OF CI/CD

Customer Satisfaction

Customer satisfaction is guaranteed because there is less time to market.

Faster Error Resolution

Error resolution time is faster as any error can be rolled back which in turn protects revenue.

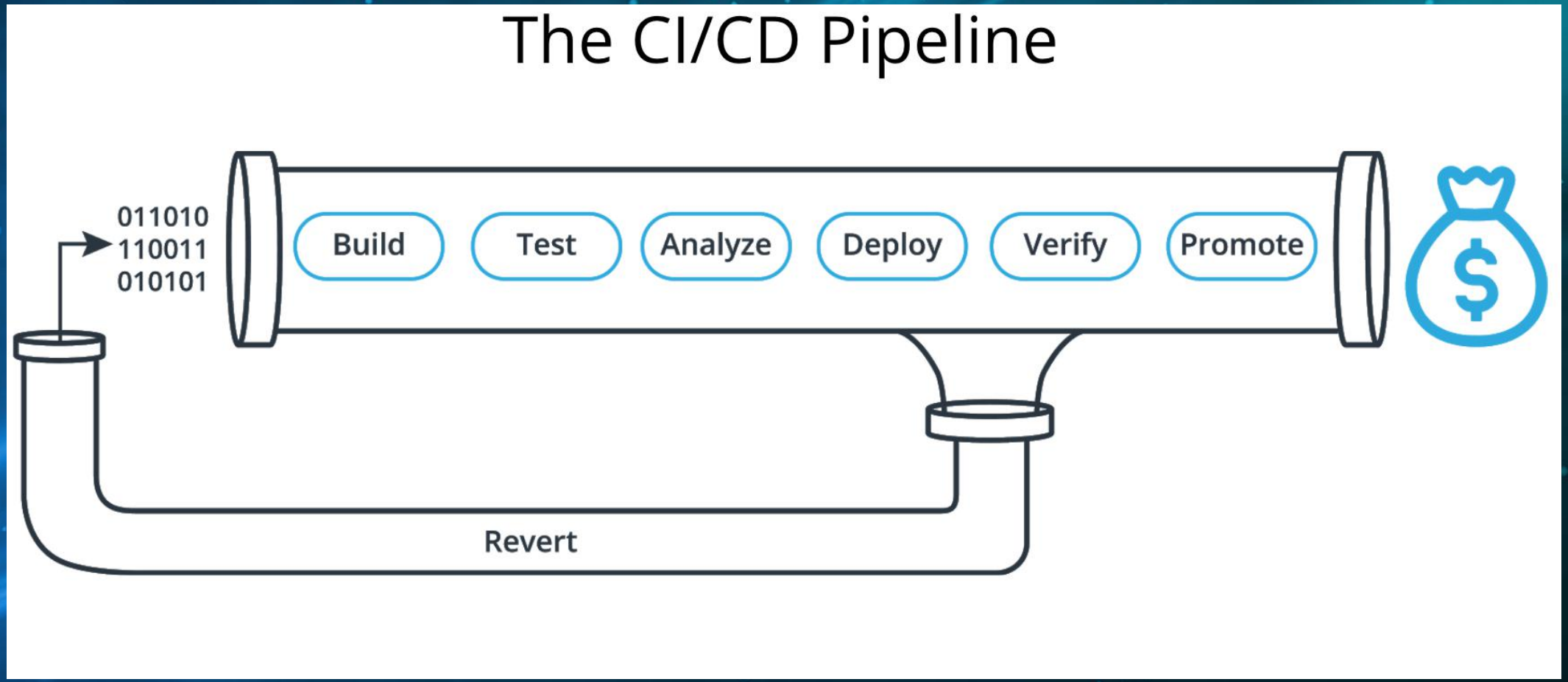
Faster Deployment

Automation infrastructure creation prevents human error which helps to avoid unecessary costs

Reduced Downtime

Reduced downtime from a deploy-related crash or major is a major protection for company's revenue.

03 CI/CD PIPELINE



THANK YOU