



# Achieve Continuous Delivery of Value with DevOps

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# Time to Market (TTM)

Today, the TOP companies issue two or three releases per month on average.



## Reduce Time To Market (TTM)

- By optimizing the internal development of our software features we will reduce our time to market and achieve a great impact on each launch we have.
- Achieve greater sales and profit margin compared with slower competitors.
- It's measured since the definition of an idea to provide value to our customers until feature launch, when the customer is able to adopt the new provided value.

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# The Pain of the Engineers to Optimize TTM

Invest time in non feature related tasks





## What are Non Feature Related Tasks?

- Code Review
- Compile/Lint Code
- Merge/Integrate
- Run Unit Tests
- Run Integration Tests
- Verify Dependency Security
- Deploy to Test Environment
- Team Test
- Deploy to Client Test Environment
- Client Test
- Create Infrastructure
- Deploy to Production
- Smoke Test in Production
- Rollbacks
- Promoting Production

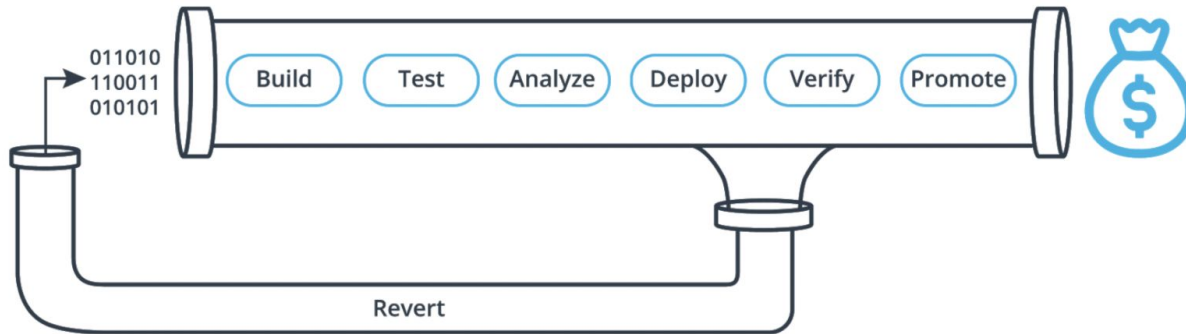
# Biggest Fears of Engineers

- Release features after human manual tests that are error prone.
- Features in local or test environments may behave different in the production environment.
- If the feature will still be working after code integration of multiple teammates.
- Missing any required dependency that the feature needs to avoid runtime errors.



# What are CI/CD Pipelines?

## The CI/CD Pipeline



The Phases of CI/CD Pipeline

# What non Feature Related Tasks can CI/CD Automate?



Coding



Code Review



Merge/  
Integrate



Compile/Lint



Run Unit  
Tests



Run  
Integration  
Tests



Verify  
Dependency  
Security



Deploy to  
Test  
Environment



Team Test



Deploy to  
Client Test  
Environment



Client Test



Create  
Infrastructure



Configure  
Infrastructure



Deploy to  
Production



Smoke Test  
in Production



Rollbacks



Promoting to  
Production



Celebration



# Our Principles of CI/CD



- Fail Fast
- Measure Quality
- Only Road to Production
- Maximum Automation
- Config in Code