Benefits of CI/CD

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Current delivery process

- Human action is a must in all steps which means errors and inconsistency
- More time to market, hence revenue/cost impact



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

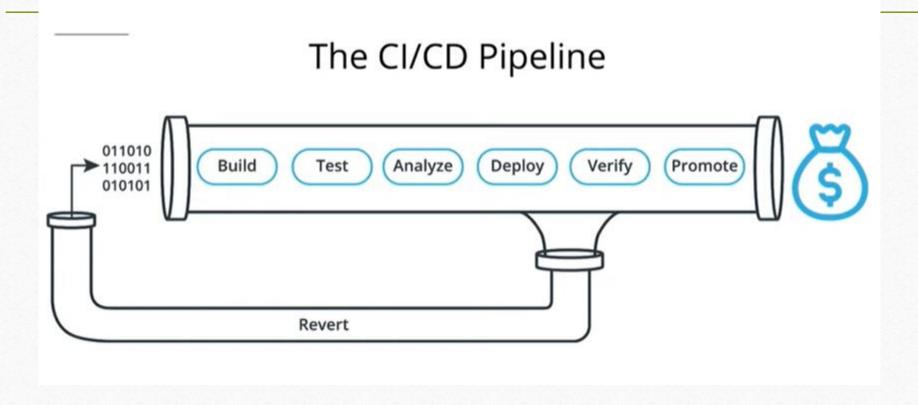


Promoting to Production



Celebration

CI/CD delivery process



CI/CD benefits

REDUCE COST

- less time spent to fix issues from new 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

INCREASE REVENUE

- New value-generating features released more quickly
- Less time to market

PROTECT REVENUE

- Quick undo to return production to working state
- Reduced downtime from a deploy-related crash or major bug