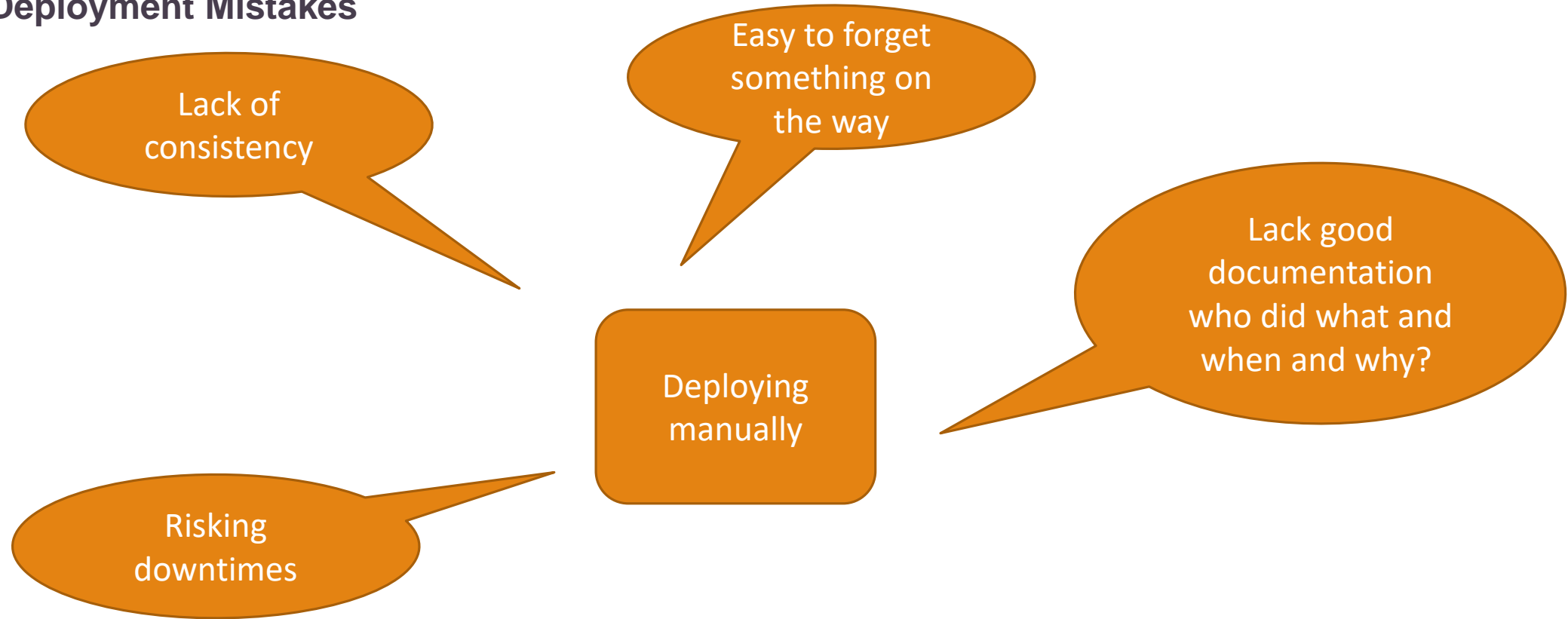


Fundamentals and Benefits of CI/CD to Achieve, Build, and Deploy Automation for Cloud-Based Software Products

Le Tan Hai

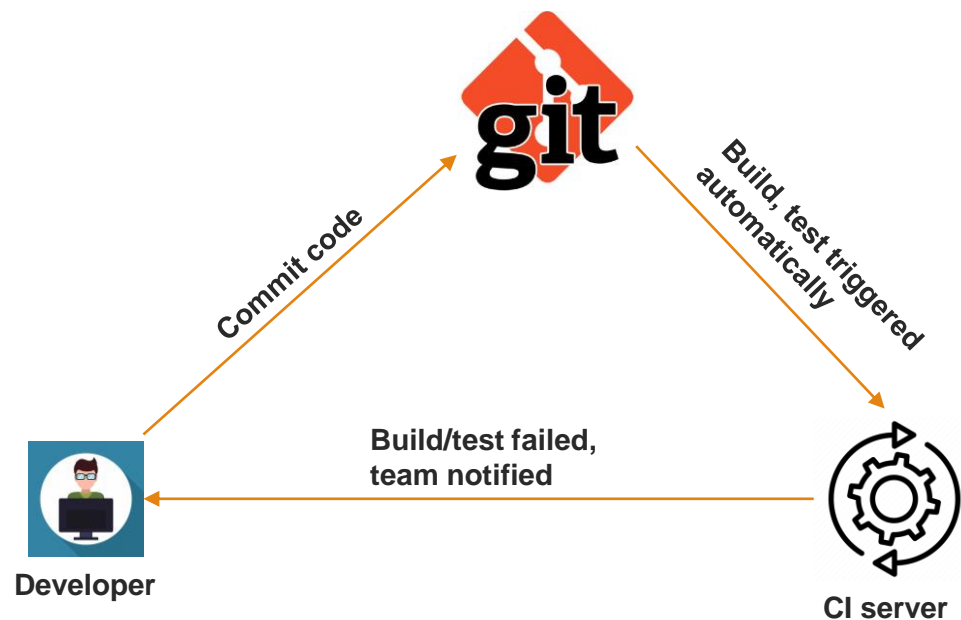
Project: Give Your Application Auto-Deploy Superpowers

Manual Deployment Mistakes



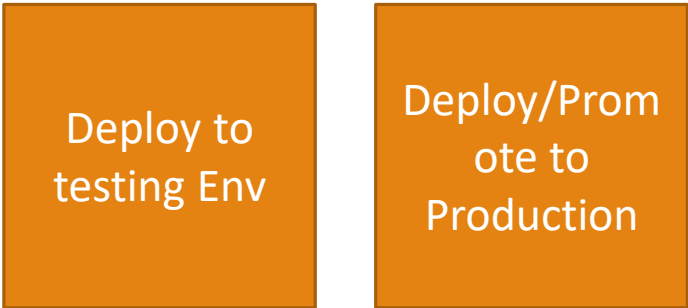
What is CI/CD

Continuous Integration (CI)



Pass all test

Continuous Deployment (CD)



Business Benefits of CI/CD



Faster Release Rate

Failures are detected faster and as such, can be repaired faster, leading to increasing release rates.



Reduce Costs

Automation in the CI/CD pipeline reduces the number of errors that can take place in the many repetitive steps of CI and CD.



Increase Team Transparency

CI/CD is a great way to get continuous feedback not only from your customers but also from your own team.



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Reduce Human Error

This reduction of human errors means: reducing risk when delivering software. This reduction is due to the continuous testing of the software to catch any errors, bugs, and more, allowing more reliable software to be sent to the public.