CI/CD
Lecture 6-Continuous Deployment

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September 2, 2022

What is Continuous Deployment

- A software development practice for automatic release of changes into production
- It speeds up the time to market
- Continuous Deployment require organization level changes, such as
  - ▶ No approval meetings
  - ▶ No release planning

Metrics in DevOps/CICD

- **Defect Escape Rate** Bugs escaped in QA and found in Production.

- **Mean Time to Recovery** Time taken to recovery.

- **Mean Time to Failure** Time taken to failure; for non-repairable components

- **Mean Time to Detection** Time taken to detect a bug

- **Availability** Up time

Why do Continuous Deployment

Motivations and Benefits

- Availing updates to users frequently
- Reducing manual intervention in deployment

Further Reading

Highly Recommended

- https://martinfowler.com/bliki/ContinuousDelivery.html

- https://martinfowler.com/bliki/BlueGreenDeployment.html

- https://continuousdelivery.com/