




Fundamentals and Benefits of CI/CD

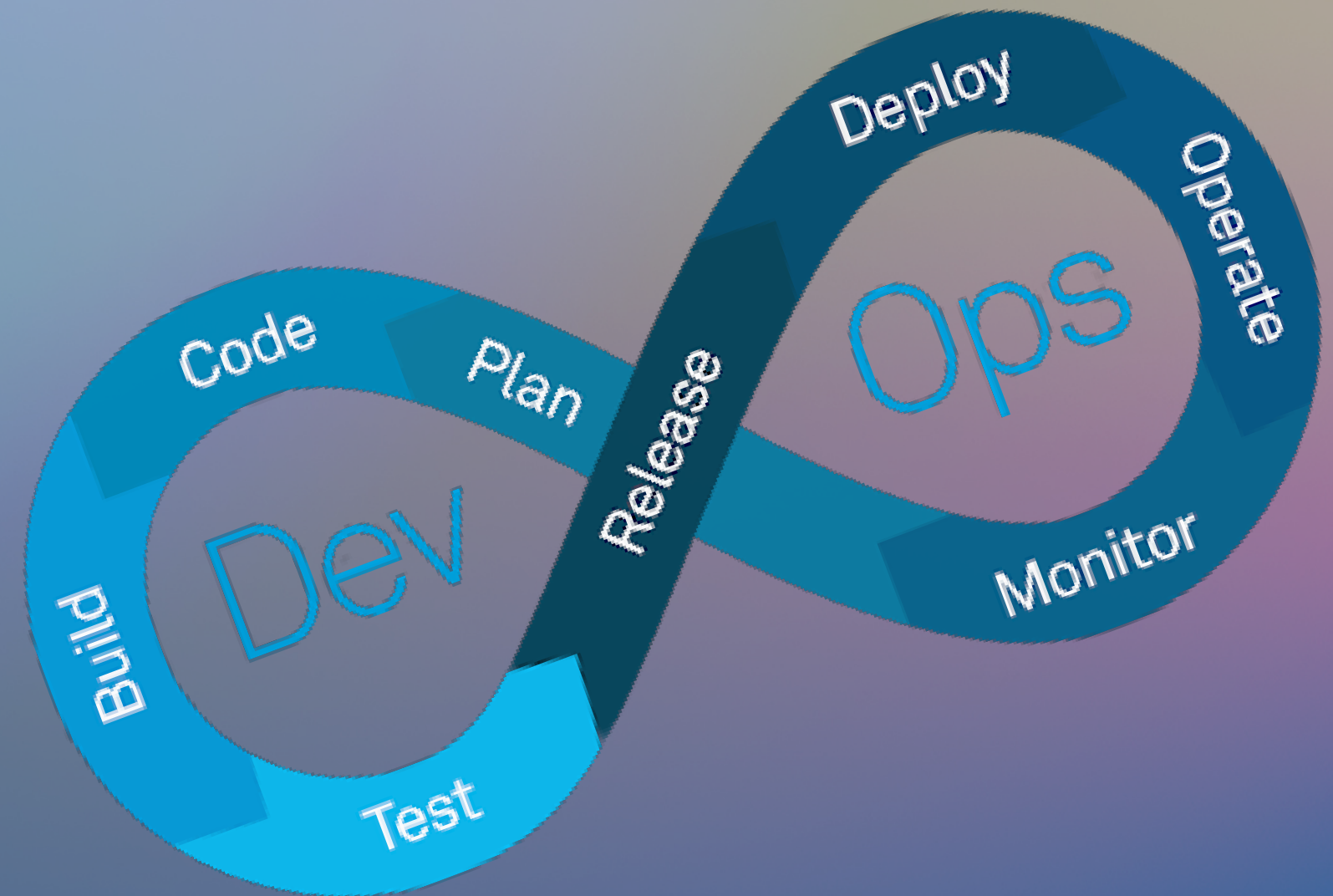


Presentation Outline

- **What is CI/CD ?**
- **What does CI/CD cost?.**
- **What are the benefits of investing in CI/CD?**

What is CI/CD ?

Without getting in the technical side , continuous integration is breaking our work up into small pieces, sharing our work with our peers, and QA-ing frequently.



What does CI/CD cost?.

Troubleshooting costs

With CI/CD pipeline properly automated, the process of the product deployment and release is more reliable and developers are not wasting hours on bug-fixing.

Switching/onboarding costs

Automated CI/CD let new members of the team get down to business right away without having to deal with an exhausting learning curve.

Deeply expensive downtime

Long-term downtime does not only influence your revenue negatively but also undermines your company's credibility.

What are the benefits of investing in CI/CD?

CI/CD is a great investment because it makes your developer's job more enjoyable, but engineer happiness is simply a side-effect of a great business decision.

- It is much easier for more than one team member to work on the same feature.
- The cost of merging small changes is much lower than large changes.
- It is much easier for QA engineers to validate small changes iteratively in a consistent system, so detecting the source of errors becomes much simpler.
- Team members can evaluate their peer's changes in a system that has passed automated testing rather than the moving target of a feature branch.

