CI/CD Transformation Proposal

CI/CD transforms the business

Date: 2022-12-29

Presenter: KienPV

Table of contents

1. What is CI/CD?

Continuous Intergration & Continuous Deployment

2. Tranditional vs CI/CD

Why CI/CD is the best choice for Software Development?

3. CI/CD benefits

Continuous Intergration & Continuous Deployment

4. CI/CD transforms the business

The business impact of CI/CD

1. What is CI/CD?

- Continuous integration (CI) & Continuous delivery (CD)

Continuous integration (CI) and continuous delivery (CD), also known as CI/CD, embodies a culture, operating principles, and a set of practices that application development teams use to deliver code changes more frequently and reliably.

2. Traditional vs CI/CD

Before CI/CD	After CI/CD
Development Environments Legacy system environment.	**Development Environments** Cloud based environment.
Builds Manually.	**Builds** Automation.
Testing Manual test with many potential risks and bugs.	**Testing** Auto test will reduce risks and bugs.
Deploy Manually deployment.	**Deploy** Automation deloyment.
Monitoring Minimal oversight of the deployment, and even less monitoring.	**Monitoring** Easy to focus on the messy business of application and infrastructure monitoring.

3. CI/CD benefits

- Smaller Code Changes
- Fault Isolations
- Faster Mean Time To Resolution
- More Test Reliability
- Faster Release Rate
- Smaller Backlog
- Customer Satisfaction
- Increase Team Transparency and Accountability
- Reduce Costs
- Easy Maintenance and Updates

4. CI/CD transforms the business

- Bring Products to Market Faster

- Allows Developers to Deliver Products Consumers Want Now.

- CI/CD enables organizations to respond to consumer needs as they evolve.

- CI/CD plays a crucial role in shortening time to value.

- CI/CD supports customer outcomes from a technical standpoint.

- CI/CD Improves App Quality

- Supports Cloud-Based App Development

- Reduce Costs and Boost Profits

- Gain Real-Time Visibility of the Development Process

5. Q&A

There is no bad question, I'm here to find the best answer.

Thank you!

Let's CI/CD brings us to an easier software development world.