

FUNDAMENTALS AND BENEFITS OF CI/CD

Remon Raafat Loius Ayaad

AGENDA

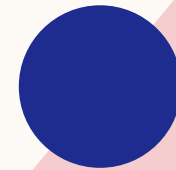
Benefits of CI/CD

Improved Quality

Faster Time to Market

Increased Efficiency

Reduced Costs



BENEFITS OF CI/CD

BENEFITS OF CONTINUOUS INTEGRATION/CONTINUOUS DEPLOYMENT (CI/CD)

- CI/CD is a development approach that involves automating the integration, testing, and deployment of code changes to improve the speed, quality, and reliability of software products.
- Benefits of CI/CD:
 - IMPROVED QUALITY: BY CATCHING AND FIXING ISSUES EARLY IN THE DEVELOPMENT CYCLE.
 - FASTER TIME TO MARKET: BY RELEASING NEW FEATURES AND UPDATES TO CUSTOMERS MORE QUICKLY AND RELIABLY.
 - INCREASED EFFICIENCY: BY REDUCING THE TIME AND EFFORT REQUIRED FOR MANUAL TESTING AND DEPLOYMENT.
 - REDUCED COSTS: BY REDUCING THE RISK OF ERRORS AND DOWNTIME IN PRODUCTION.

IMPROVED QUALITY

IMPROVED QUALITY OF UDAPEOPLE PRODUCT WITH CI/CD

- CI/CD can improve the quality of our product by catching and fixing issues early in the development cycle.
- Benefits of having automated testing and deployment:
 - Faster feedback on code changes, enabling us to address issues quickly.
 - Reduction in human errors, resulting in a more stable and reliable product.
 - Increased test coverage, ensuring that all parts of the product are thoroughly tested.

FASTER TIME TO MARKET

FASTER TIME TO MARKET WITH CI/CD

- CI/CD can help us release new features and updates to customers more quickly and reliably.
- Benefits of having automated testing and deployment:
 - Faster and more frequent releases, allowing us to respond to customer needs more quickly.
 - Improved collaboration, enabling us to work more efficiently as a team.
 - Faster feedback from customers, enabling us to iterate and improve the product more quickly.

INCREASED EFFICIENCY

INCREASED EFFICIENCY WITH CI/CD

- CI/CD can help us increase efficiency by reducing the time and effort required for manual testing and deployment.
- Benefits of having automated testing and deployment:
 - Faster feedback on code changes, enabling us to address issues quickly.
 - Reduction in human errors, resulting in a more stable and reliable product.
 - Improved efficiency of the overall development process, enabling us to deliver more value to customers.

REDUCED COSTS

REDUCED COSTS WITH CI/CD

- CI/CD can help us save money by reducing the risk of errors and downtime in production.
- Benefits of having automated testing and deployment:
 - Reduction in human errors, resulting in a more stable and reliable product.
 - Improved productivity, enabling us to deliver more value to customers with the same resources.
 - Reduced time and resources spent on emergency fixes and support calls, resulting in lower overall costs.



THANK YOU

Remon Raafat Louis