



UDAPEOPLE

CI/CD PRESENTATION



INTRODUCTION

CI/CD is a method within software development environments aimed at frequently delivering apps to customers through the introduction of automated build, test, analysis, and monitoring of changes within code into the stages of app development. The main concepts attributed to CI/CD are continuous integration, continuous delivery, and continuous deployment.



CI/CD BENEFITS TO ORGANIZATIONS

Continuous Integration and Continuous Deployment greatly reduce risk as products are released quickly and tested with users early and frequently. This enables reduced risk as bugs, undesirable features, and security vulnerabilities are easily identified and dealt with early on.

Continuous Integration and Deployment significantly increase the effectiveness of feedback loops as automated build and test steps to inform you of immediate problems, helping you to work more efficiently and effectively. Also, shipping features and updates frequently create immediate feedback on the performance of features and updates. This can be used to identify what's working well and prioritize modifications and improvements.

CI/CD enables greater and more effective collaboration within cross-functional teams. Code can be pushed remotely and changes and bugs can be transparently identified.



CI/CD BENEFITS TO ORGANIZATIONS

Continuous Integration, Continuous Development, and Continuous Deployment greatly increase a product's time to market. Incorporating Agile and DevOps techniques to improve development practices as well as deliver constant improvements to users.

Continuous Integration enables quicker code reviews. Committing code at least once a day is encouraged for developers and frequent code-sharing within teams ensures faster code reviews and change integration is easier.



CI/CD BENEFITS TO ORGANIZATIONS

FINANCIAL BENEFITS

This Continuous Integration will reduce errors in the deployment of code and features, which will enable a faster release rate. This will reduce cost for the business. This will seek to boost revenue.

Continuous Integration and Continuous delivery ultimately reduce cost, as there is less time spent on issues, and features are shipped automatically.

CI/CD reduces costs by reducing the time spent fixing bugs in production and increasing the frequency of product tests.



THANK U
FOR
LISTENING