

# CI/CD

Fundamentals and Benefits of CI/CD to Achieve, Build and Deploy  
Automation for Cloud-Based Software Products

# CI - Continuous Integration

- It is a practice of automating build and integration test every time you do a commit of new changes to your code from different developers and make one complex tested source code.

# CD - Continuous Deployment

- It is a process of moving code from development to deployment automatically by using dedicated tools.

# Benefits of CI/CD

- **More time to focus of development.**
- **Confidence that code works before release.**
- **Build trust of client by continuously delivering.**
- **Release secured software by catching and fixing vulnerabilities while scanning the code.**

# Benefits of CI/CD

- **The less time you spend on testing and fixing bug the less money you spend on tasks that does not provide the value to the business.**
- **Less time to bring the product to market can produce revenue faster.**