

BENEFITS OF CI/CD

INTRODUCTION

✕ What is CI/CD?

- + combined practices of continuous integration and continuous delivery or continuous deployment.
- + a modern software development practice in which incremental code changes are made frequently and reliably

BENEFITS

- ✖ Technical / Development team
 - + Better code quality
 - + Shorter review time
 - + Faster bug fixes
 - + Efficient infrastructure

BENEFITS

- ✖ Business benefits / Organization level
 - + Improved team performance
 - + Faster release cycles
 - + Boost in client confidence
 - + Manageable maintenance
 - + Reduced cost / increase in revenue

BUSINESS BENEFITS

✕ Improved team performance

- + enhances collaboration in which team members are able to work in parallel rather than working in isolation
- + Members share work with entire team frequently leading to frequent review and enhanced participation by all parties
- + Harmonious work environment leads to increased productivity

BUSINESS BENEFITS

✖ Faster release cycles

- + CI/CD provides the means in which small work can continuously be merged and released
- + Continuous releases increase the frequency in which features are made available

BUSSINESS BENEFITS

- ✖ Boost in client confidence
 - + Due to the continuous delivery of incremental features, clients will get the feeling of being involved through the entire process
 - + Client's can give feedback on small parts of the system, in which corrections or adoption of new ideas can be observed frequently

BUSINESS BENEFITS

✖ Manageable maintenance

- + Problems / issues can be detected at early stages
- + Early detection makes fixes easy and reduces downtime significantly
- + Increases productivity of teams

BUSSINESS BENEFITS

- ✗ Reduced cost / increase in revenue
 - ✗ All the factors mentioned above lead to higher productivity which in turn translates to reduced costs and increased revenue