

Fundamentals and Benefits of CI/CD



INTRO TO CI/CD

- CI/CD stands for continuous integration and continuous deployment
- It involves to automation of the necessary steps required to ship code as a running application for end users
- Automation of these steps help reduce errors and also saves time which can be used on other tasks

Benefits of CI/CD

- The major benefits of CI/CD are:
 - Creates revenue
 - Protects revenue
 - Helps to avoid cost
 - Helps to reduce cost

Benefits of CI/CD

- CI/CD enables running of tests to catch errors in code and alert the appropriate persons, which reduces bugs in production.
- Checking for security vulnerabilities is also possible with CI/CD
- Teams are also able to make frequent releases of applications due to most of the manual work involved being automated

Benefits of CI/CD

- Cleanup tasks can be setup to destroy an instances or resources not in use to reduce cost
- Rollbacks can be put in place to revert all actions taken place till point failure reducing manual work and human error