

CI/CD

Continuous delivery

- The practice of merging all developers' working copies to a shared mainline several times a day. It's the process of "Making"
- Teams have the flexibility to update applications and build and deploy new ones in response to emerging trends, new markets, and evolving expectations.
- So if there is any issue it will help to early catch and fix the issue which avoid costs.

Continuous Deployment

- A software engineering approach in which the value is delivered frequently through automated deployments.
- It make time to market faster and easier rollback if smoke tests fails.
- Automate deployment to reduce deployment cost and time.
- Easy monitor to catch issues early

Benefits of CI/CD on business

- Automated unit test: help to reduce bugs which avoid future costs.
- Automated Integration test: help to avoid bugs in any system integrate with new build to avoid costs.
- Easy deployment : fast time to market, which increase revenue and make you beat your direct competitors.
- Blue-green deployment: get feedback about new release which avoid costs if there are any issues with customers or improve new release which increase revenue.

Benefits of CI/CD business

- Smoke test: help to detect production issue which reduce maintenance cost.
- Security issue: detect security issue early to reduce maintenance cost and save company reputation.