

CI/CD

Automated Process for Faster Software Deliveries

CI [Continuous Integration]

It's the process of "Making". Some CI-related phases includes:

- ***Compile***
- ***Unit Test***
- ***Static Analysis***
- ***Dependency vulnerability testing***
- ***Store artifact***

CD [Continuous Deployment]

It's the process of "Moving" the artifact from the shelf to the spotlight. Some CD-related phases include:

- ***Creating infrastructure***
- ***Provisioning servers***
- ***Copying files***
- ***Promoting to production***
- ***Smoke Testing (aka Verify)***
- ***Rollbacks***

Benefits of CI/CD

- Less human error, Faster deployments.
 - Faster release rate
- Less bugs in production and less time in testing
- Less infrastructure costs from unused resources
- Prevent embarrassing or costly security holes
 - Less time to market
- Quick undo to return production to working state

These Benefits thus helps in reducing cost and increase Revenue