

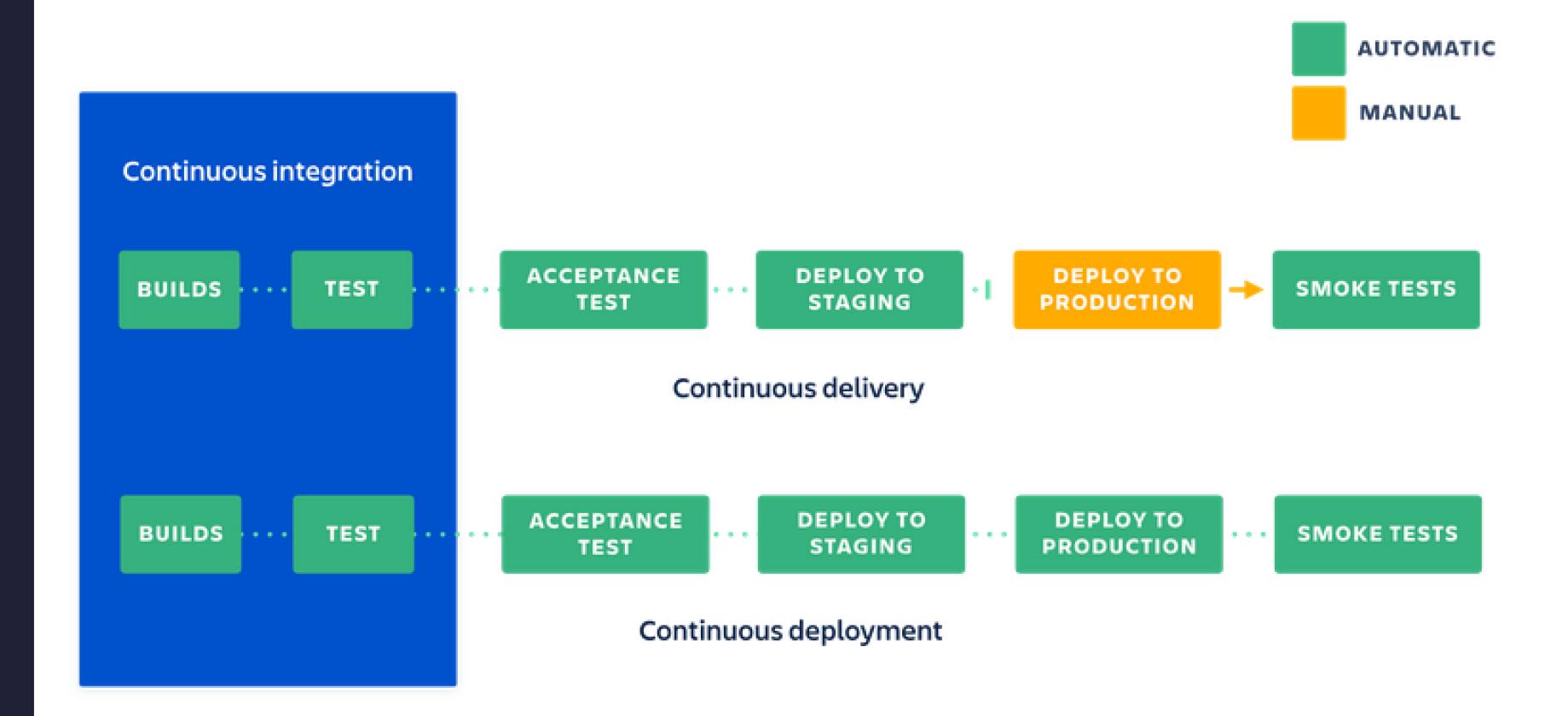
## what is CI/CD?

### **Continuous integration**

Continuous integration puts a great emphasis on testing automation to check that the application is not broken whenever new commits are integrated into the main branch.

## Continuous delivery

Continuous delivery is an extension of continuous integration since it automatically deploys all code changes to a testing and/or production environment after the build stage.



# benefits of CI/CD

#### **Technical issue**

- catch error after merge
- catch unit test failures
- avoid security
  vulnerabilities
- automate infrastructure creation

#### Value reflected on business

- reduce cost
- avoid cost
- avoid cost due to security holes
- avoid cost due to human errors

#### **Technical issue**

- automated smoke tests.
- automated rollback triggered by job faillure.
- automate infrastructure cleanup
- faster deployment production
- deploy to production without manual checks

#### Value reflected on business

- protect revenue
- protect revenue
- reduce cost due to unused resources
- increase revenue
- increase revenue because of increase time to market

