

# JENKINS



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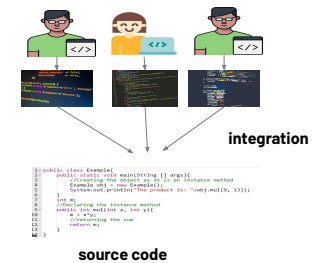
- ▶ CI/CD
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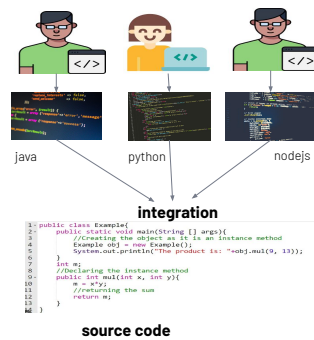
# Continuous Integration

## Software Development

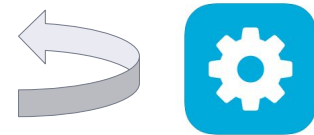
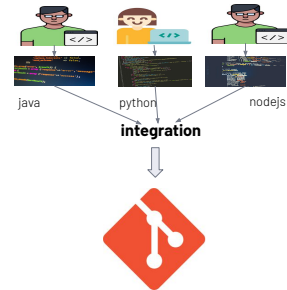
1. Developers write the code, then make unit and integration tests
2. QA and staging
3. Operation (deploy to production)



## Integration Hell

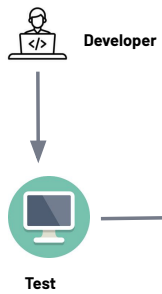


## Merge the code



CI/CD Server

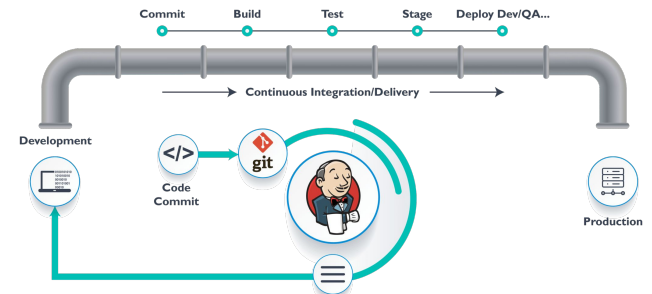
## Before CI



Before, software development process used to be manual. Code was written later on, unit and integration tests were done. Then, after passing the tests, quality assurance and acceptance tests would be performed. Finally, the final code was presented to the users.

This was a process that required a lot of human effort, was prone to errors, had a slow deployment process and a long feedback loop.

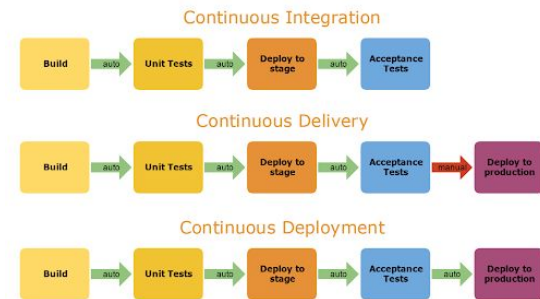
## CI/CD



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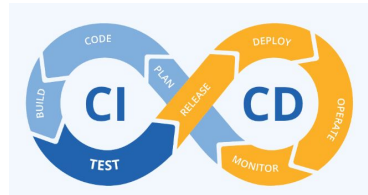
# Continuous Delivery and Continuous Deployment

## Continuous Delivery and Continuous Deployment



## Why CI/CD

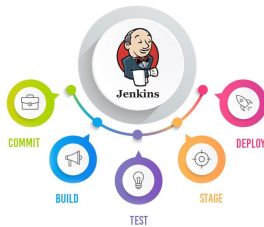
- Automate quality control and deployment processes
- Fixing bugs in the source code early in the process
- A quick meeting of software developments with the user
- Make the software better
- Guarantee the software's compliance with standards
- Increasing user satisfaction



## 3 Jenkins

## What is Jenkins

- Jenkins is a self-contained, open source automation server.
- **Automates** all sorts of tasks related to **building**, **testing**, and **delivering** or **deploying** software.



# THANKS!

## Any questions?

