Automated Builds CI + CD

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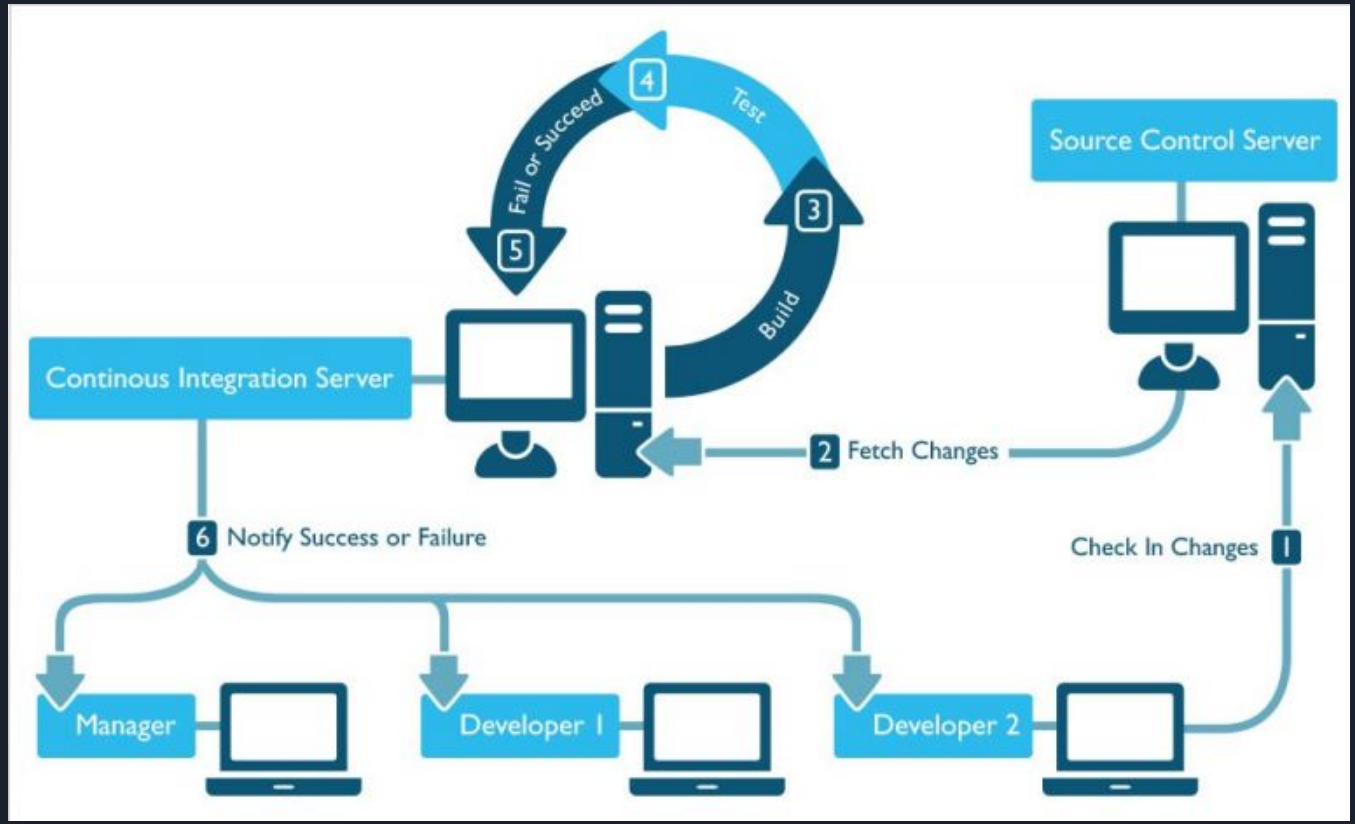
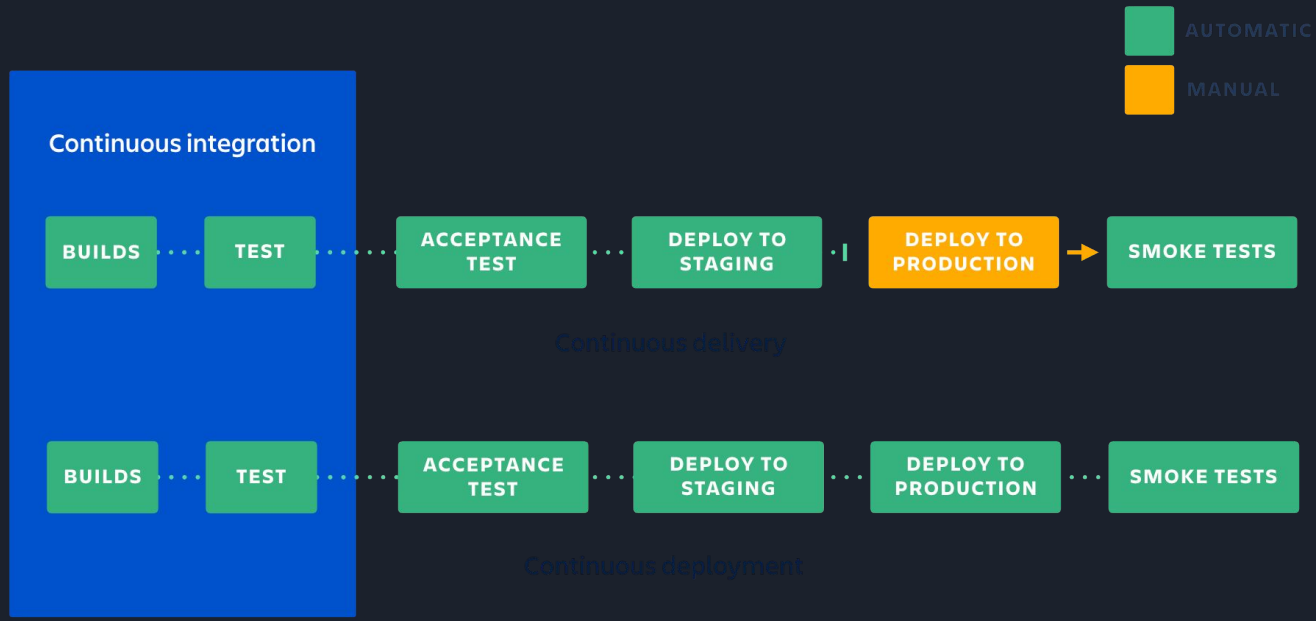
Automated Builds

- Convert files + assets to a software product
- 2 requirements:
  - Repeatable
  - Information stored in the source code

Continuous Integration



Continuous development and delivery



CI/CD Tools

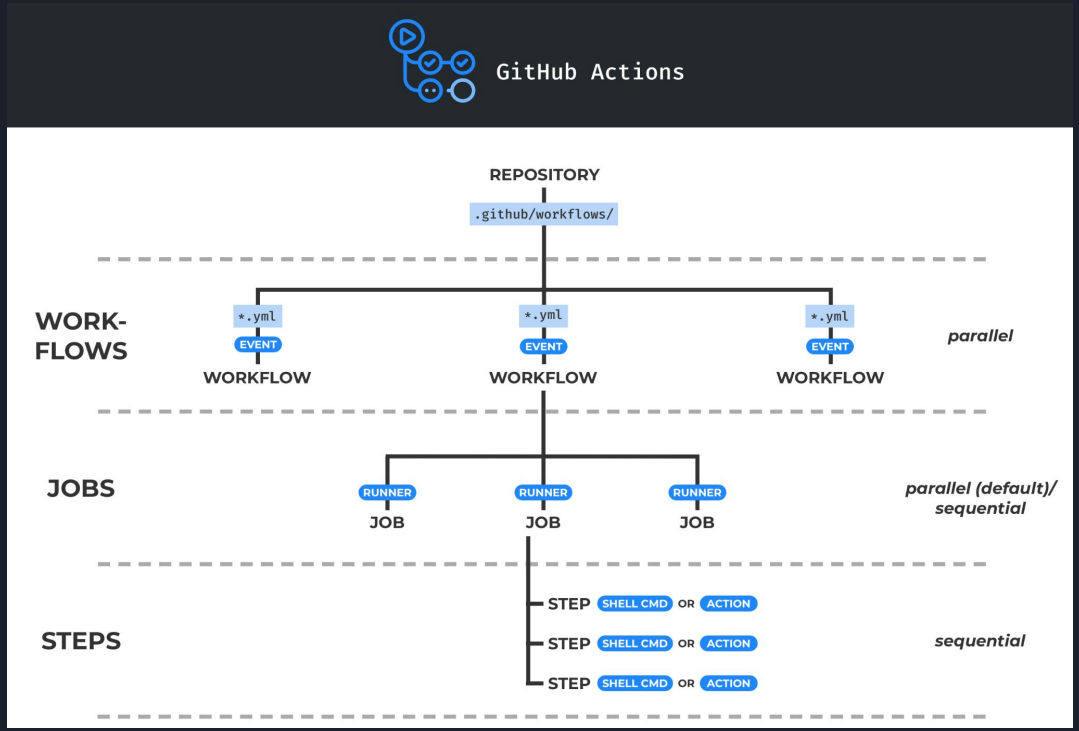
Jenkins

GitLab

circleci

GitHub Actions: Basic concepts

- Workflow: All the process
- Events: Trigger
- Jobs: Set of steps don
- Steps: Sequence of tasks. Commands or actions.



Set up GitHub Actions

Conclusions

- Essential tool for big projects
- Useful on small projects
- Very powerful tool, need to learn how to use it properly