Continuous Integration and Automated Code Review in Open Source Projects

Adrián Tóth

Brno University of Technology, Faculty of Information Technology
Božetěchova 1/2. 612 66 Brno - Královo Pole
xtotha01@fit.vutbr.cz



Introduction



What is Continuous Integration?

What is Automated Code Review?

Where is it used and why?

How it works?

Continuous Integration

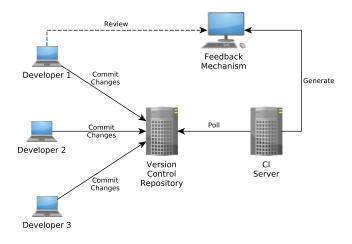


- common part of fast software development
- adaptive development technique
- reduce integration problems
- integrations are verified via automated tests and builds
- popular in open source projects which are frequently developed by a group of people
- available CI services: Travis CI, Jenkins, TeamCity, ...

Continuous Integration



Components of continuous integration system



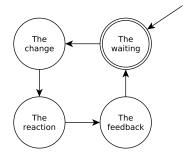
Continuous Integration



The basics of CI

Stages of CI:

- The change
- 2 The reaction
- 3 The feedback
- 4 The waiting



Automated Code Review



TODO

Thank You For Your Attention!