

Continuous Integration & Jenkins

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Code Freeze 2012

What is Continuous Integration?

A development practice where developers keep their work continually integrated with the work of other developers and the baseline.

Why Should You Care?

- Reduce rework, time, and cost
- Always have working software
- Find and fix bugs when it is the cheapest
- Immediate feedback on system as a whole
- Less complex, more modular code

Basic Requirement #1

Version control and frequent commits

Basic Requirement #2

Build locally, THEN commit

Basic Requirement #3

Feedback

Basic Requirement #4

Quick Response

Basic Requirement #5

Automated Test Suite

Demo

- Jenkins CI
- Developer Workflow
- View Feedback

Resources

- Continuous Integration by Paul Duvall - <http://bit.ly/AysbsP>
- Continuous Delivery by Jez Humble - <http://bit.ly/zLMFCI>
- Integrate Often - <http://bit.ly/wahTyf>
- Continuous Integration Anti-patterns - <http://ibm.co/zY2912>
- Martin Fowler Continuous Integration
 - <http://bit.ly/y96P86>
 - <http://bit.ly/zQKVo8>
- Jenkins CI - <http://jenkins-ci.org/>

Questions?