

Jenkins Introduction



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Jenkins Creator
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#jenkinsci

Myself



- Kohsuke Kawaguchi
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- Been at Sun, briefly at Oracle, then InfraDNA, which got acquired by CloudBees
 - XML, databinding, web services
- Large number of hobby open-source projects
 - Jenkins was one of them

CloudBees

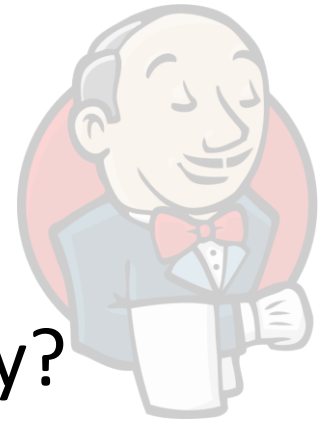
<http://cloudbees.com/>

- DEV@cloud
 - Hosted “Jenkins as a Service”
- RUN@cloud
 - Java “Platform as a Service” offering
- Jenkins Enterprise by CloudBees
 - Commercial value-added Jenkins distribution
 - Comes with support and custom plugins



Software Development 101

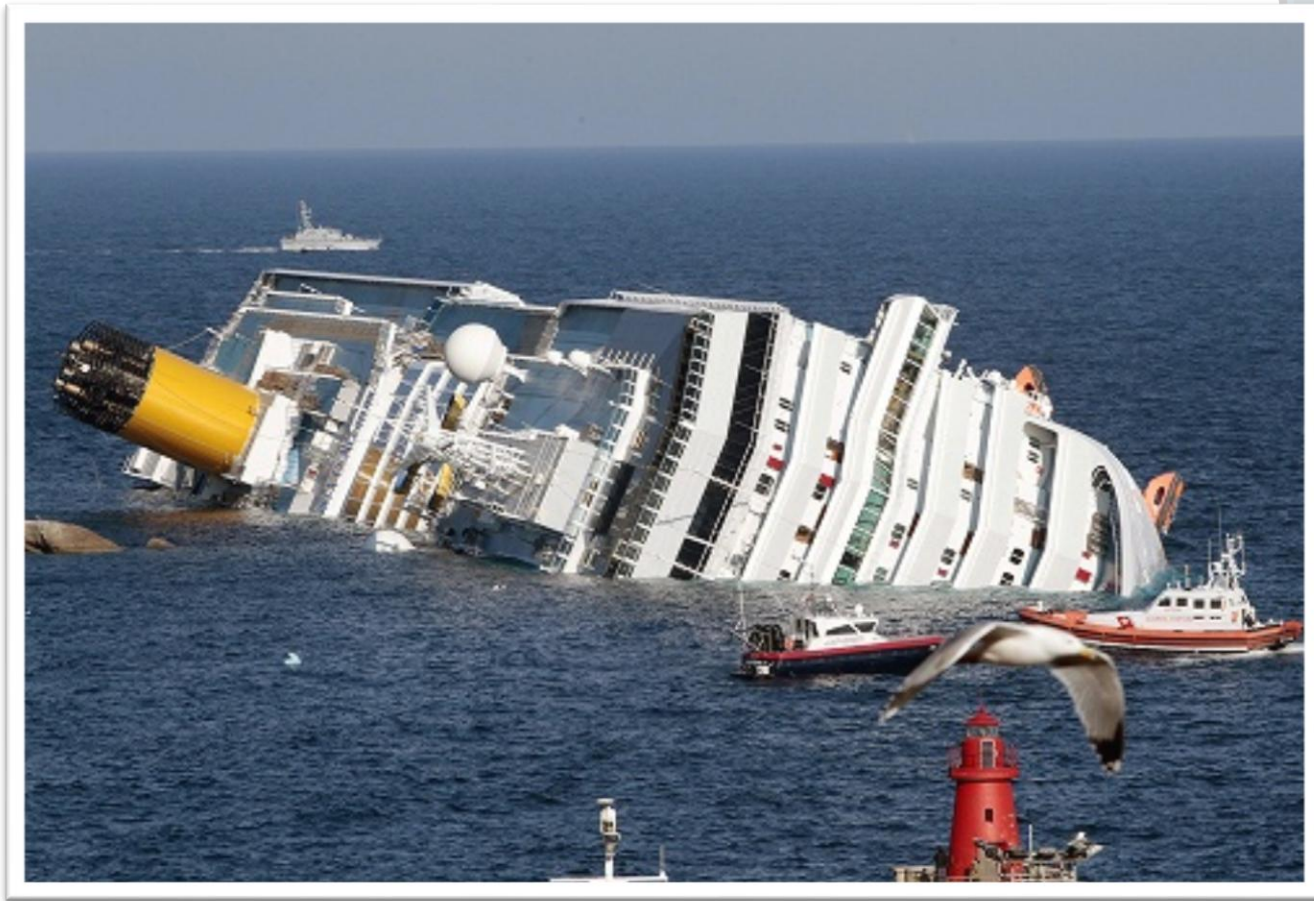
- How to write programs more effectively?



Big software needs lots of developers



Challenge



Counter measures

- Check continuously
- Compartmentalize



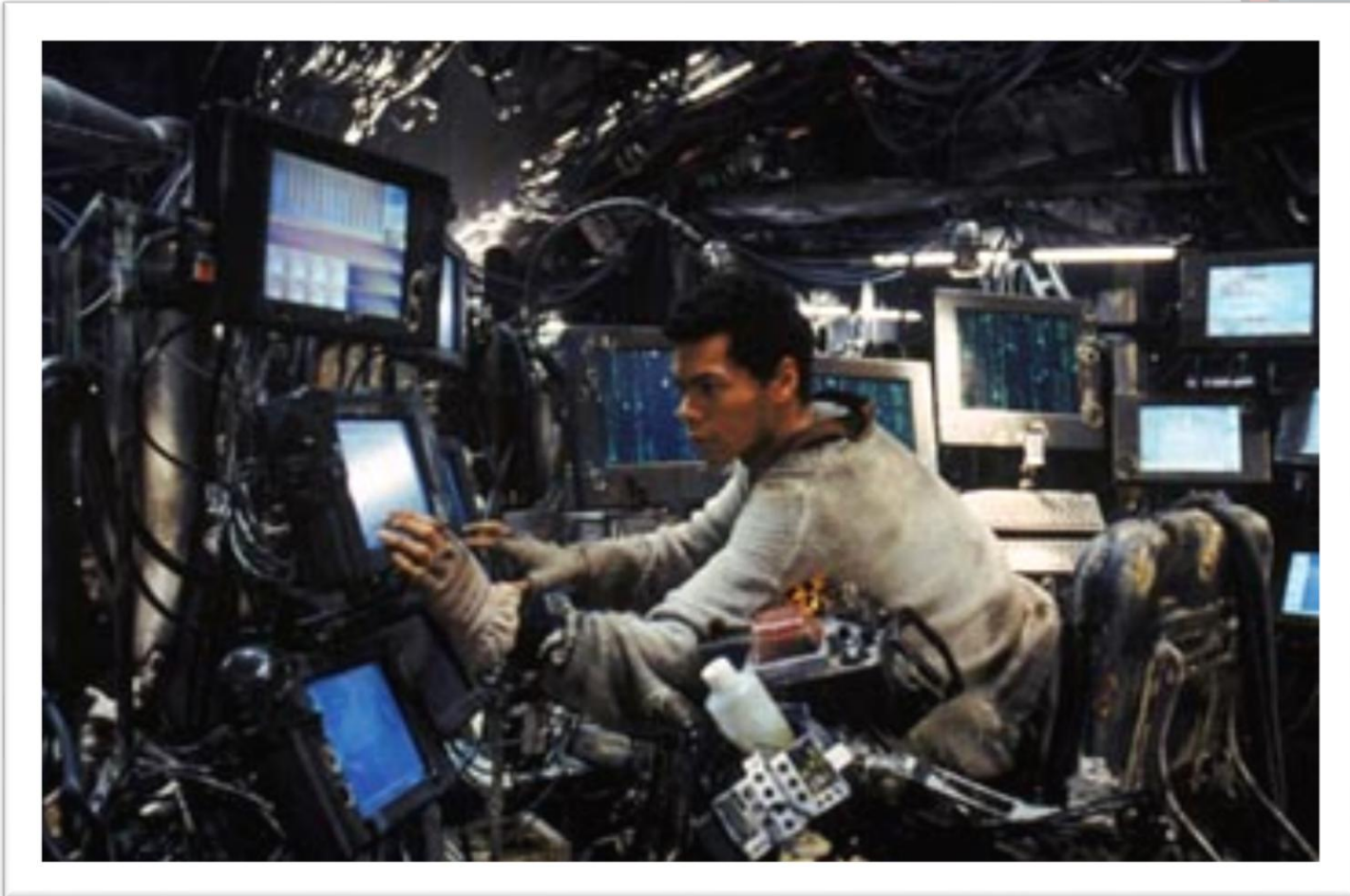


Computers are cheaper



eclipse

You can only use so many machines





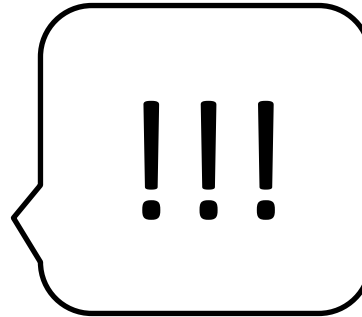
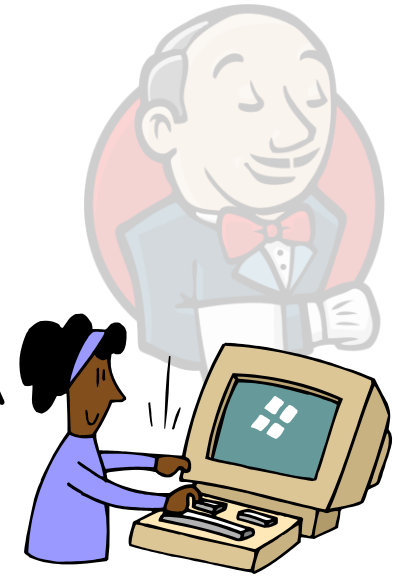
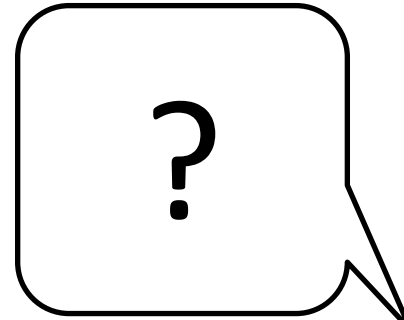
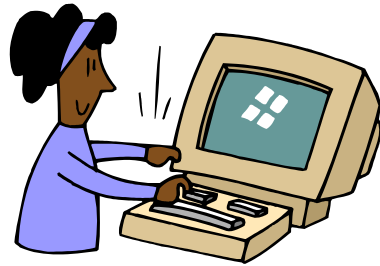
Servers, servers!



Continuous Integration



24/7, every commit





Better Visibility

What is Jenkins?

- Open-source CI server
- Usable for all kinds of languages
- Emphasis on ease of use & extensibility



jenkins-ci.org

Where we are today

- 53,000+ installations around the world
- 600+ plugins by 500 contributors
- #1 CI server in the market



Basic Features



- Check out the source code
 - Subversion, Perforce, Git, Mercurial, CVS, ...
- Do builds and/or tests
 - Java, .NET, shell script, ...
- Record results
 - Binary, test results, code coverage, static analysis
- Notify people
 - E-mail, IM, RSS, tray apps, IDEs



Demo

Where to go from here

- Automate deployment
- Automate release
- Automate processes



Q&A

- <http://jenkins-ci.org/>
- #jenkins on freenode
- @kohsukekawa
- @jenkinsci

