Jenkins Introduction

Kohsuke Kawaguchi
Jenkins Creator
@kohsukekekawa

#jenkinsci
Myself

• Kohsuke Kawaguchi
  – @kohsukekawa
  – kk@kohsuke.org

• 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
You can only use so many machines
Servers, servers!
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

- #jenkins on freenode
- @kohsukekawa
- @jenkinsci