What's Jenkins?

- Continuous Integration (CI) server

- Open source, written in Java
  - Runs as Java web application on container such as Tomcat

- The product formerly known as Hudson
  - Project was forked when Oracle made Hudson a victim of their "kill all the cool open source projects we inadvertently acquired" phase
  - Oracle subsequently donated Hudson project to the Eclipse Foundation, but too little too late
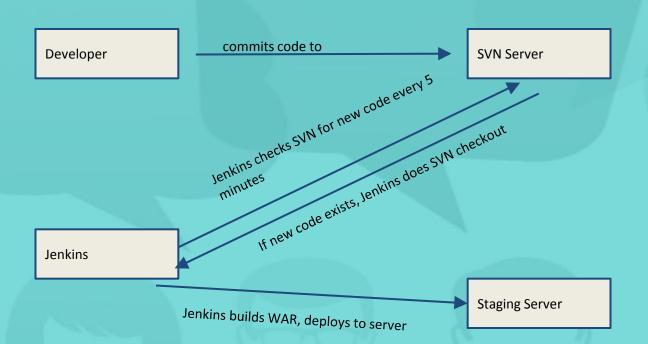
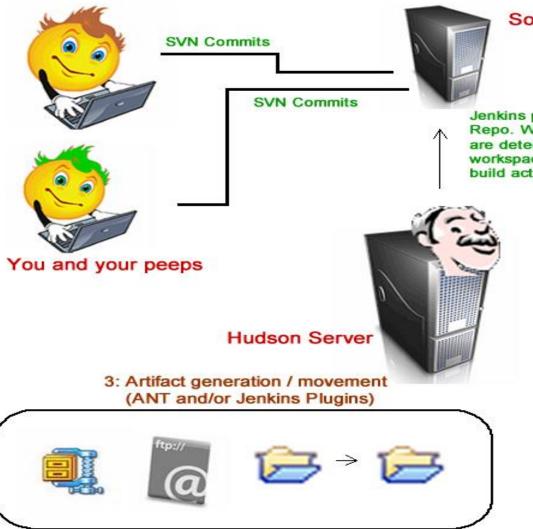((FEEDBACK))

How Does Jenkins Work?

- Integrates with source control
  - Supports SVN, Git, and about any other SCM tool you can think of via plugins

- Builds can be triggered either on a schedule or by hitting a URL
  - Scheduled builds can be configured in Jenkins
  - URL-based builds can of course be hit from anything (cron + curl, whatever) including as a post-commit hook in your SCM tool

((FEEDBACK))

Source Control Repo

SVN Commits

SVN Commits

Target Server

Jenkins pulses Source Control
Repo. When changes
are detected, it updates its
workspace and kicks off
build actions

You and your peeps

Build Actions

http, via mxunit ant task

Hudson Server

1: Jenkins executes your ANT target that
runs tests against the target server
(usually DEV). Uses the MXUnit ANT
task, runs over HTTP

3: Artifact generation / movement
(ANT and/or Jenkins Plugins)

2: Post-Build Communication
(Jenkins Plugins -- ext. email, jabber, etc)

ftp://
@