

A Journey Introducing Jenkins to Enterprise IT

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#jenkinsconf



Context: need to create lots of APIs



APIs change all the time (minor.patch of course)



Many apps + rapidly evolving = must do Cl



Problem: no CI at Target



This thing called Jenkins



It's one thing to stand it up It's another to change habits

Stick to key message
Set expectations
Lead by example
Highlight results
Demo, demo, demo





Started with unit + functional tests



+stop clicking around in the UI (Jenkins Job DSL)



+code coverage (cobertura)



+static code analysis (codenarc)

+various perf tests (Jmeter + cloud)





PEAK PERFORMANCE

08 Aug 2014 in Testing ② 8 minutes read

When our stores open on Thanksgiving day, we see an API traffic spike that is 10x our normal load. To ensure our systems are up to the task of handling the burst, we need to go beyond the typical load tests run as part of our continuous integration



+publish docs (API Blueprints + Aglio)



+infra-as-code (Chef)



+fresh environment for each CI run (OpenStack)



+deployments (Chef + Artifactory)



+pager/support setup (PagerDuty API)



+monitoring config (Splunk, Runscope API)



+future: pull requests (GitHub Enterprise + PR Builder plugin)



+future: vuln testing (Zed Attack Proxy - ZAP)



+future: get closer to CD (promoted builds plugin)



+future: ChatOps (HipChat API)



-didn't work: build per branch



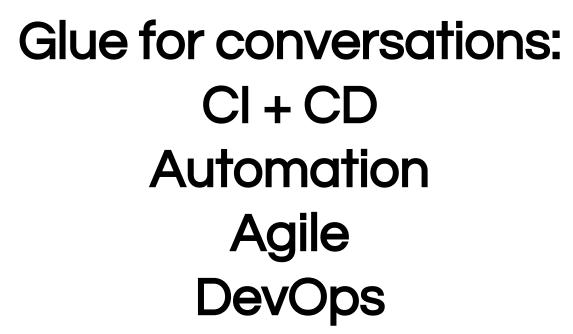
+happening: Jenkins Operations Center



bigger story: Jenkins spread like fire



In the beginning... small .com team + API team





Enterprise change: Sell it **Political** Become the path of least resistance Convert the change resistors Demo, demo, demo



Make it "Enterprise Grade" (Jenkins Enterprise)

Features like:
Job folders
RBAC
HA
Plugin Usage





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