

Automation, Innovation and Continuous Dev

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#jenkinsconf

My Career

Jobs:

- Network Engineer (lots of certs)
- Developer (lots of code)
- IT Operations (lots of lost Sleep)
- IT Security (lots of Smoke & Mirrors)

Experience

Hacking, Networking, Developer, Ops &



NOW Pointy Haired Boss





© Scott Adams

CHOOSE DIGITAL



Music

–Over 7 million music download tracks (MP3's) from all the major record labels and leading independents. Tracks sync seamlessly with iTunes and Windows Media personal music libraries.



Movies

-Movies from the major studios and independents are available for rental or purchase. The site features new release titles. Purchases are streamed from a personal digital locker incorporated into the platform and can be viewed on most browser enabled devises without the need to download a player.



TV Shows

-Season passes and individual episodes for the major TV networks.



eBooks

-Over 400,000 eBooks that can be read on most browser based devices. Audiobooks in MP3 format.

Some brands that that use CHOOSE DIGITAL





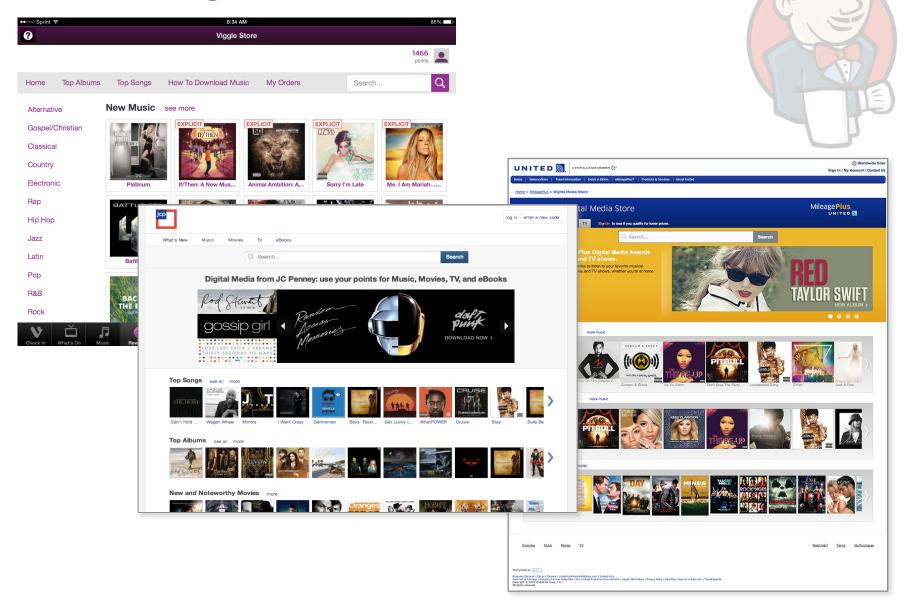








Technology Solutions



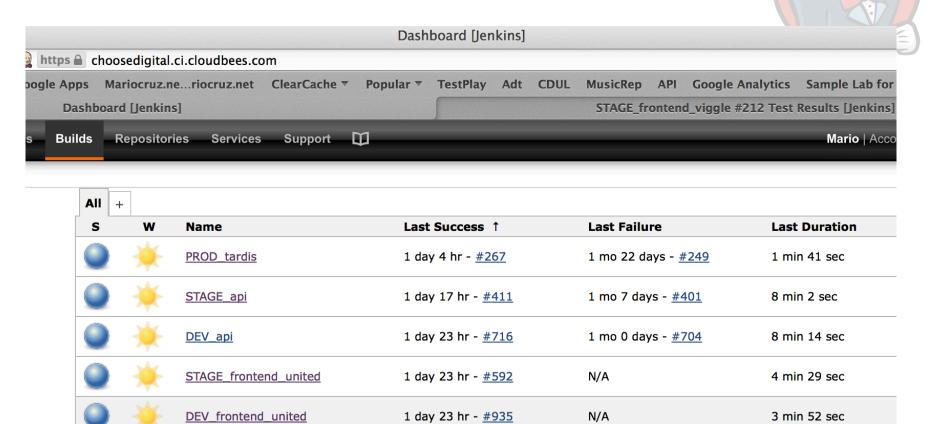




STAGE frontend codeplay

8 min 32 sec

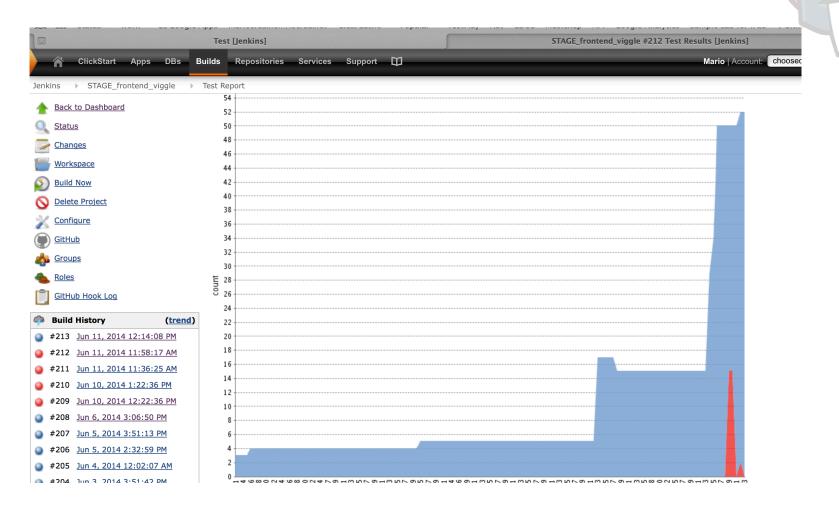
When we push to a branch, a build is done



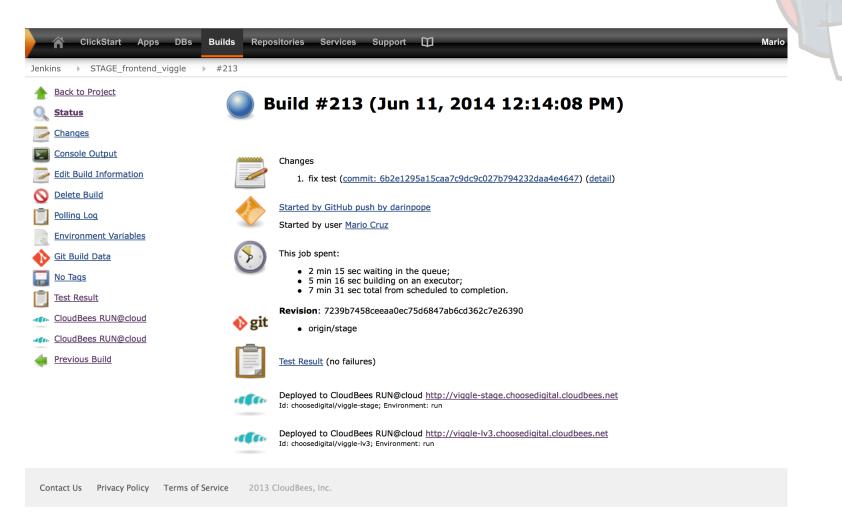
3 days 15 hr - #245

25 days - #239

Run set of tests before each deploy



When all tests pass, it is auto deployed



Developer Tries the Live Site



Home

Top Albums

Top Songs

How To Download Music

My Orders

Search...



Alternative

Gospel/Christian

Classical

Country

Electronic

Rap

Hip Hop

Jazz

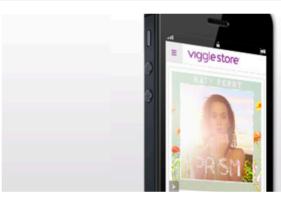
Latin

Pop

R&B

Rock

Soundtracks



FREE MUSIC DOWNLOADS

Download the Viggle app to get rewarded for all the music you're already listening to!

LEARN MORE >



see more



Lazaretto





Stay Gold



Pepsi Beats Of The ...



22 Jump Street: Orig...



Acoustic Dreams















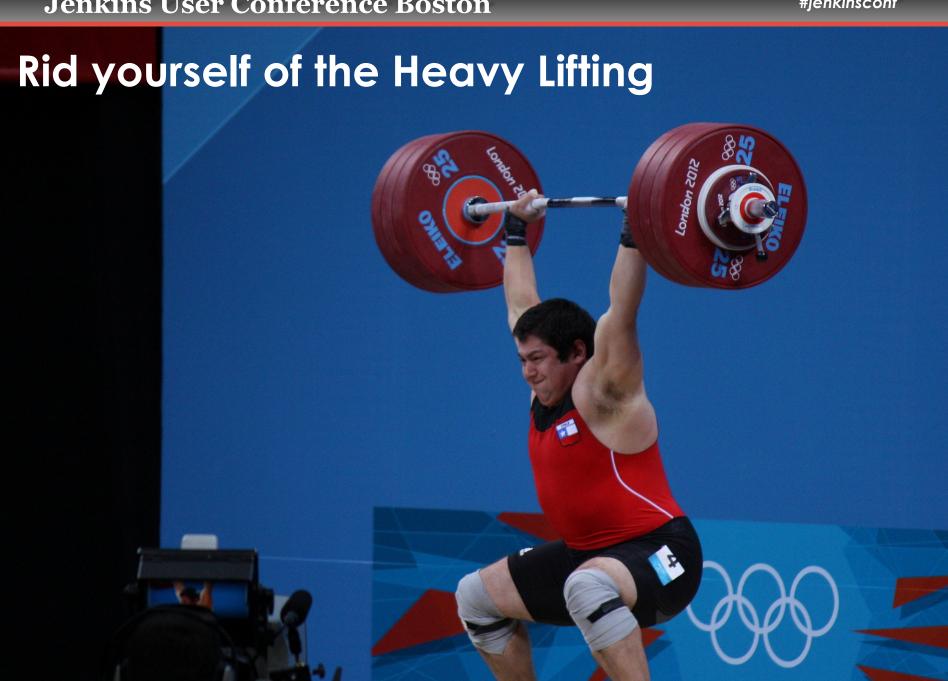
Trust











CloudBees (Jenkins Differentiator)

- Heavy Lifting Not Done by Choose Digital
 - DEV@Cloud
 - Jenkins
 - Plugins
 - Upgrades
 - RUN@Cloud
 - Frictionless
 - Auto Scale
 - SSL
 - New Relic
 - Papertrail
 - SendGrid







Other Partners

- AWS
 - **–** \$3
 - RDS
 - CloudSearch
 - DynamoDB
- Asana
- Trello
- Zendesk



Over 55 Apps on RUN@Cloud





Jenkins User Conference Boston

Cloud Environment



Full-scale application containers



Dedicated Pools

Deploy to servers on your private account

Application Container

Select a ClickStack for your application to run in.

Basic Java Webapp (Tomcat 6) 💠

Select the container size to provision for instances of your application.

Free (5 app limit!)

Limited application instance, 256MB RAM, throttled concurrency, automatic hibernation. Free

Starter

1 app-cell, 128 MB RAM \$0.019/hr (per instance)

Small ■ Small ■

2 app-cells, 256 MB RAM \$0.038/hr (per instance)

Medium

4 app-cells, 512 MB RAM \$0.076/hr (per instance)

Large

8 app-cells, 1024 MB RAM \$0.152/hr (per instance)

Redundancy and Scale

Choose your application's cluster model (ensure your application is cluster friendly).

Automatic Scaling \$	
Minimum instances:	5 Instances 💠
Maximum instances:	*
Measurement window:	2 Minutes ‡
Cool-down window:	15 Minutes 💠
Scale up when Respo	nse Time ‡ Average ‡ is Greater than ‡ 2000
Scale down when Respo	nse Time † Average † is Less than † 1000



Scale to 20 with the API

bees app:info delivery-prod



```
Application
                 : choosedigital/delivery-prod
Title
                 : delivery-prod
Created
                 : Sat Apr 14 10:14:47 EDT 2012
                  active
Status
URL
aliases
clusterMaxSize
clusterMinSize
clusterSize
                 : java_large
container
containerType
                 : tomcat
hibernateTimeout: -1
maxMemory
                 : 1024
                : [{"calculation": "average", "field": "request_processingTimePerRequest", "timeWindow": 120, "scaleType": "grow", "value
scaleOptions
":2000, "scaleUnit":1, "comparator": "greater_than", "coolDownSeconds":900}, {"calculation": "average", "field": "request_processingTimeP
erRequest", "timeWindow": 120, "scaleType": "shrink", "value": 1000, "scaleUnit": 1, "comparator": "less_than", "coolDownSeconds": 900}]
securityMode
                : PUBLIC
serverPool
                : stax-global (Stax Global Pool)
```

Integration Ease



New Relic RPM



New Relic RPM provides monitoring, troubleshooting, root cause diagnosis, plus pro-active planning tools such as capacity planning, scalability analysis, database usage analysis, Apdex scoring, and deployment history.

✓ Enable New Relic RPM application monitoring

Learn more...

Papertrail Logs

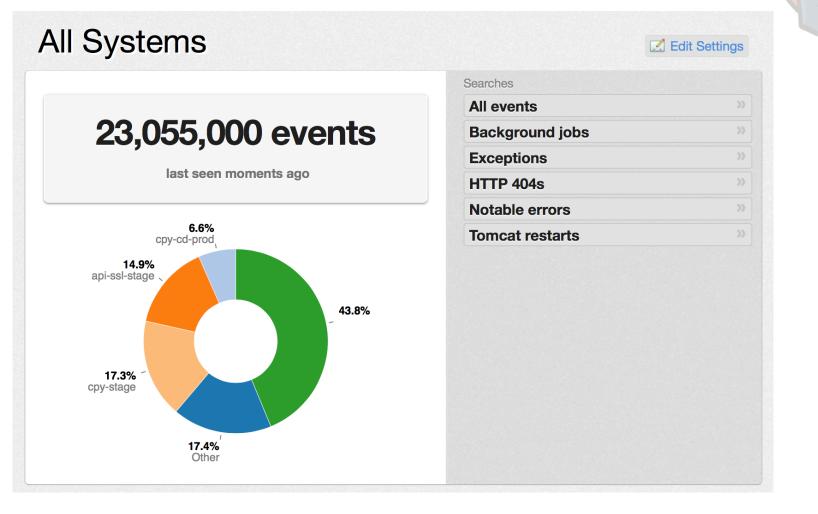


Papertrail provides consolidated logging for your applications to help detect, resolve, and avoid infrastructure problems.

✓ Enable Papertrail application logging

Learn more...

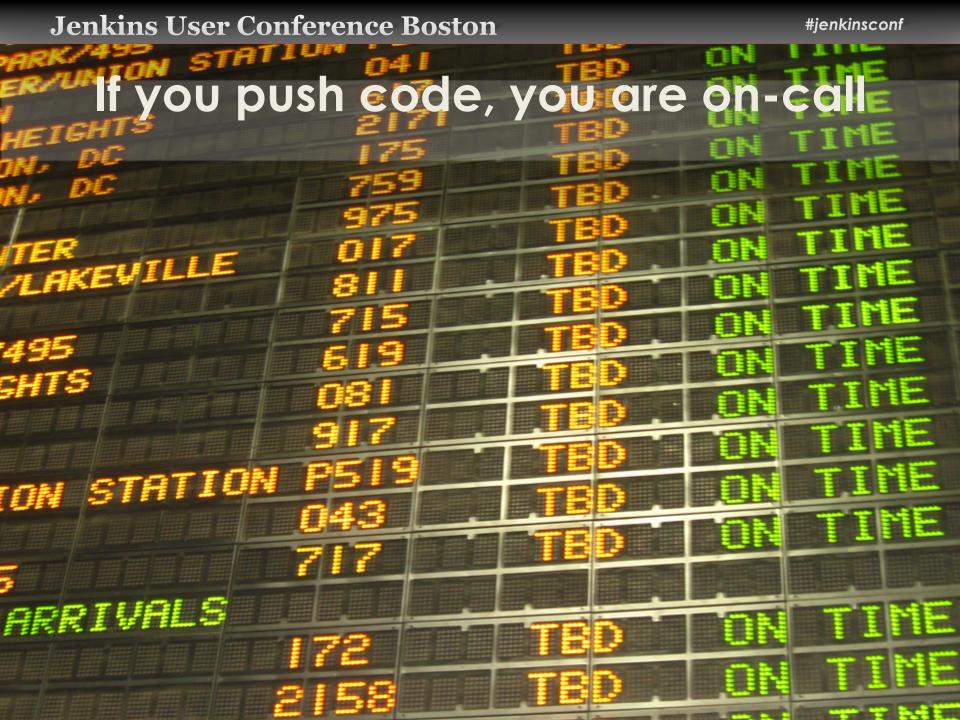
Log Everything (but let me turn it off)

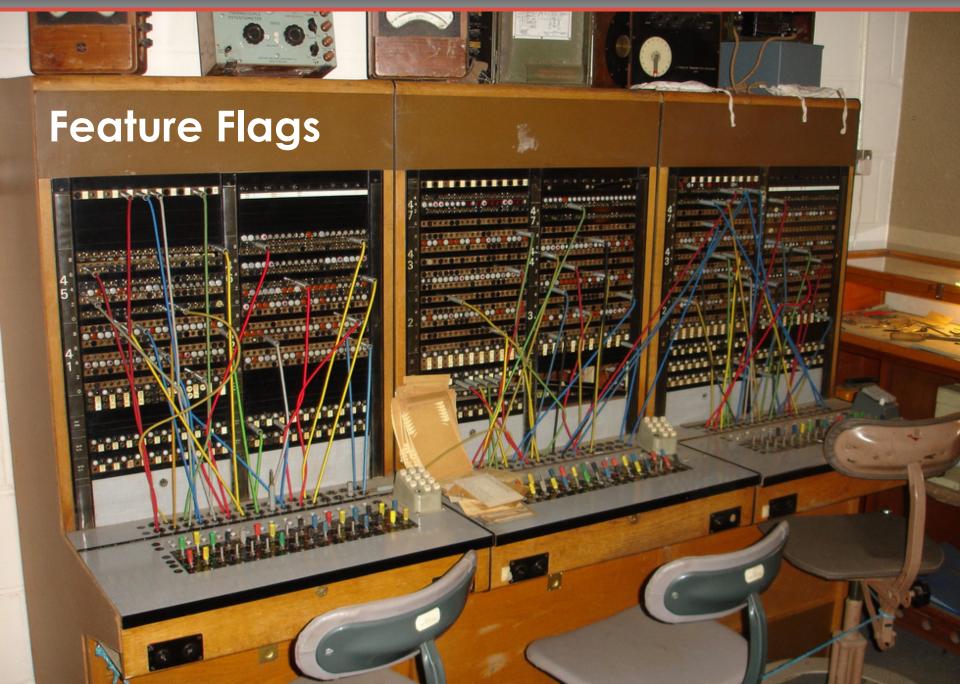


Monitor Apps (it is a check box)

- Real User Monitoring
 - _ End user perspective metrics
 - Browser performance and response times
 - Bottlenecks at FE, app or connected systems
- Performance Analytics
 - _ Throughput
 - _ Response Times
 - __ Errors
 - Slow Transactions
 - SQL Performance
 - _ Thread Profiler

- Server Monitoring
 - _ CPU
 - _ Memory
 - Network activity
 - Processes
- Reporting
 - __ SLA
 - _ Availability
 - Deployments
 - Scalability



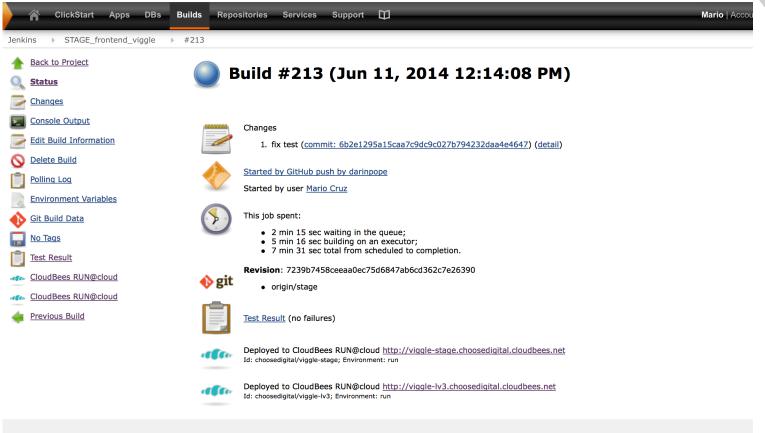


Feature Flags

1	active.audiobook	true
2	active.ebook	true
3	active.movie	true
4	active.music	true
5	active.television	true
6	active.gzip	false
7	music.purchase.subject	Music Order Confirmation
8	ebook.purchase.subject	Book Order Confirmation
9	audiobook.purchase.subject	Book Order Confirmation
10	movie.purchase.subject	Movie Purchase Confirmation
11	movie.rental.subject	Movie Rental Confirmation
15	active.facebook	true
16	active.twitter	true
17	active.googleanalytics	true
18	active.cache	true
19	active.maintenance	false
20	active.music.email.promo.active	false
21	active.movie.buy.email.promo.active	false
22	active.movie.rent.email.promo.active	false
23	active.television.email.promo.active	false
24	active.ebook.email.promo.active	false
25	active.audiobook.email.promo.active	false
26	active.television.splash	false
27	this.week.active	true
28	active.initial.purchase.credit	true



one push > one build > Deploy to N



Contact Us Privacy Policy Terms of Service 2013 CloudBees, Inc.

Private Apps

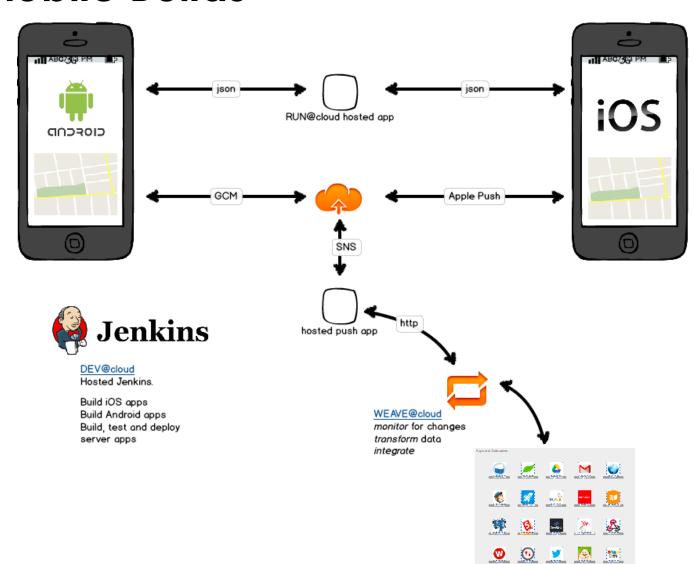
Please Sign in to Continue

The URL you have requested is part of a privately deployed environment. Please use your CloudBees credentials to sign in.





Mobile Builds







Thank You To Our Sponsors







Photo Credits

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- https://flic.kr/p/c1k71s
- http://www.fastcoexist.com/1682635/watch-robots-put-together-a-tesla
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- https://flic.kr/p/dHSy5h
- https://flic.kr/p/32vHr1
- https://flic.kr/p/3cYhVz
- https://flic.kr/p/5QjfB1
- https://flic.kr/p/4pmrSY
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