Main sponsor

LUXOFT
Engineering Business Performance

IMPORT CONTINUOUS.DELIVERY.*

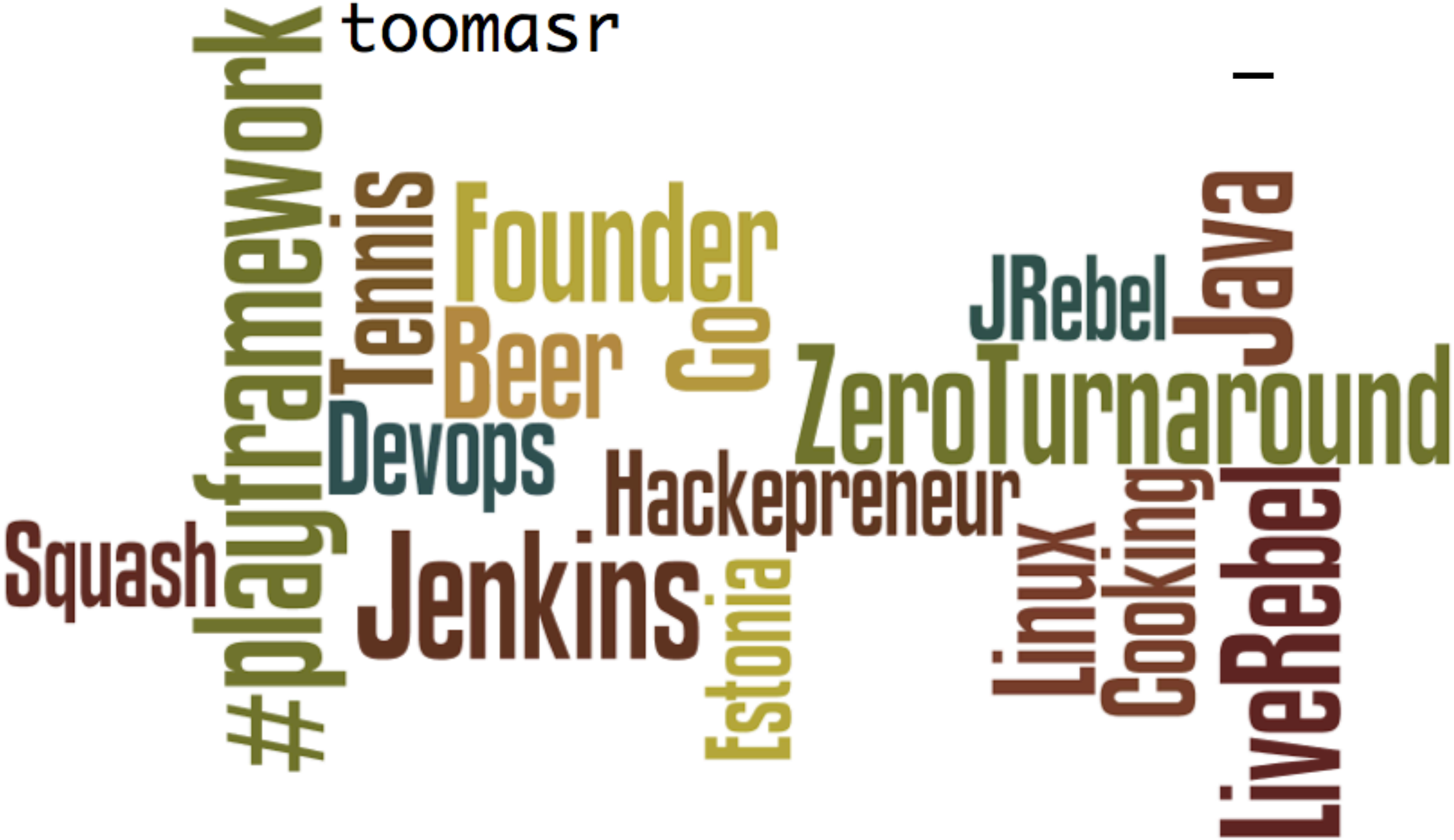
Toomas Römer

@toomasr

ZeroTurnaround

33rd Degree Conference
Conference for Java Masters
19-21 March 2012
Kraków, Poland

```
toomasr@cigarillo ~ » whoami
toomasr
_
```



Agenda

- Problem
  - Jenkins
    - LiveRebel
- Continuous Delivery Pipeline
- Demos
- Q & A

FEDEX PROCESS

FEDEX PROCESS

- You package deliverables

FEDEX PROCESS

- You package deliverables
- You send that package

FEDEX PROCESS

- You package deliverables
- You send that package
- You track the package

FEDEX PROCESS

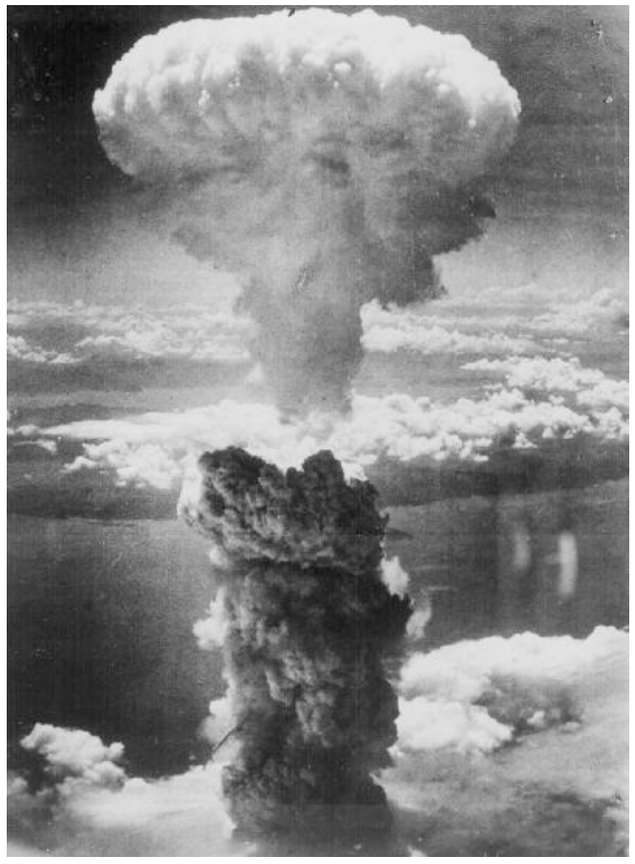
- You package deliverables
- You send that package
- You track the package
- You confirm delivery

FEDEX PROCESS

- You package deliverables
- You send that package
- You track the package
- You confirm delivery
- Profit!

WHAT ABOUT SOFTWARE?

Create package



WAR

myApp.war

JAR

myLib.jar

EAR

myApp.ear

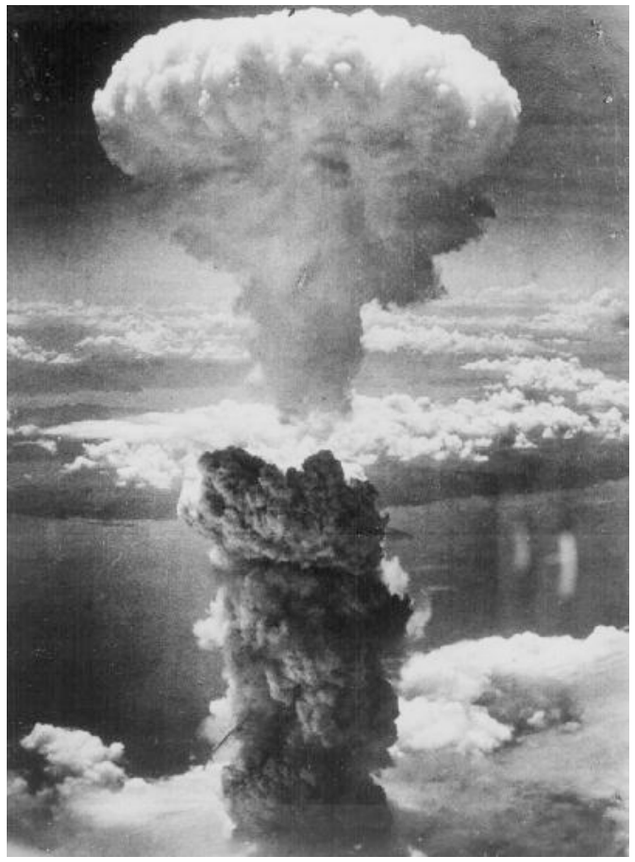
WHERE DID IT COME FROM?

How does it get to prod?

How does it get deployed?

WHAT EXACTLY WENT TO PROD?

???



WAR

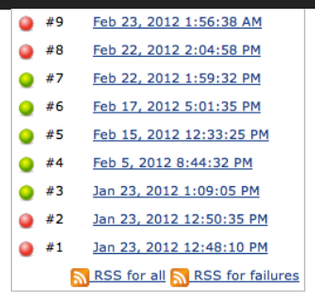
myApp.war

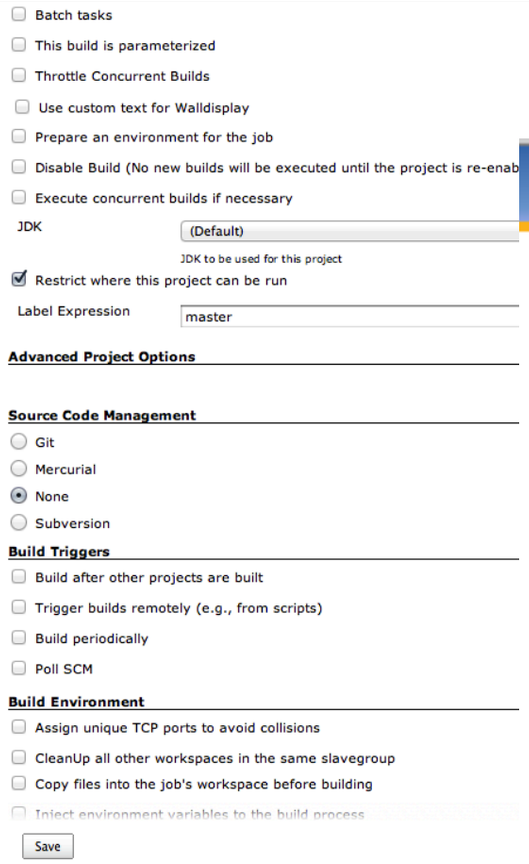
JAR

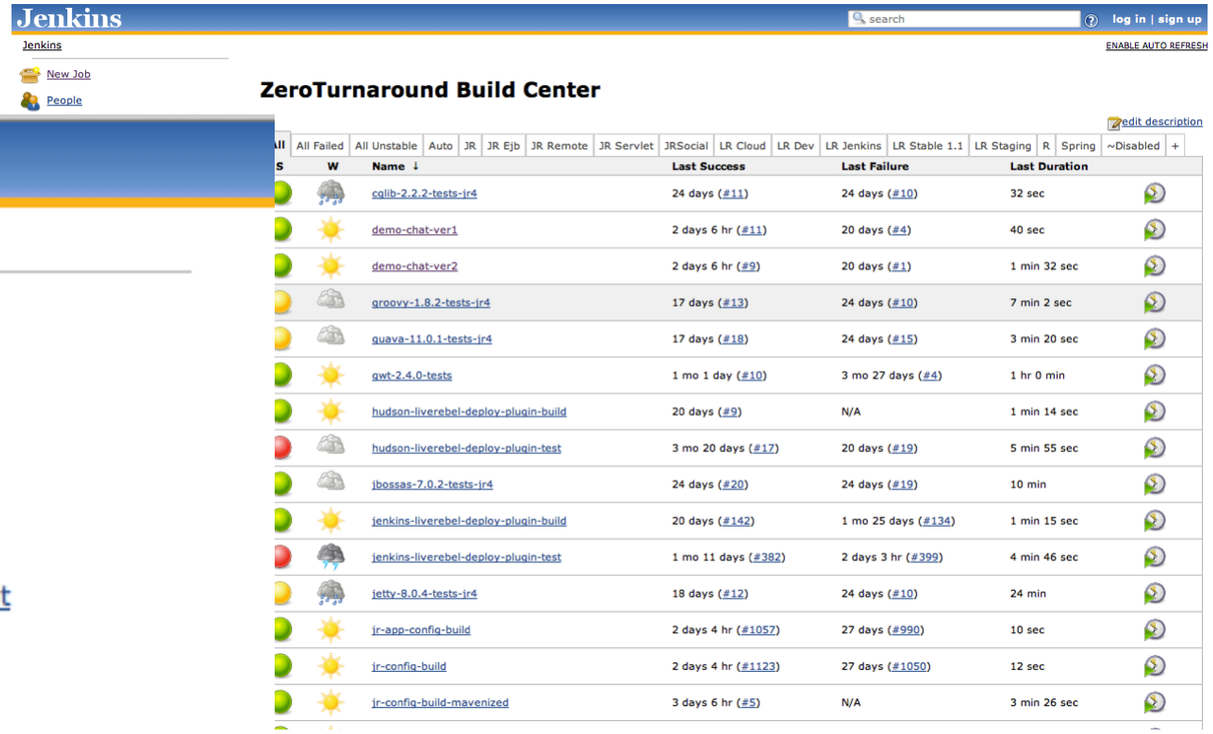
myLib.jar

EAR

myApp.ear







Jenkins

(Always safe to talk about OSS projects)

CONTINUOUS INTEGRATION SERVER

ORCHESTRATION PLATFORM

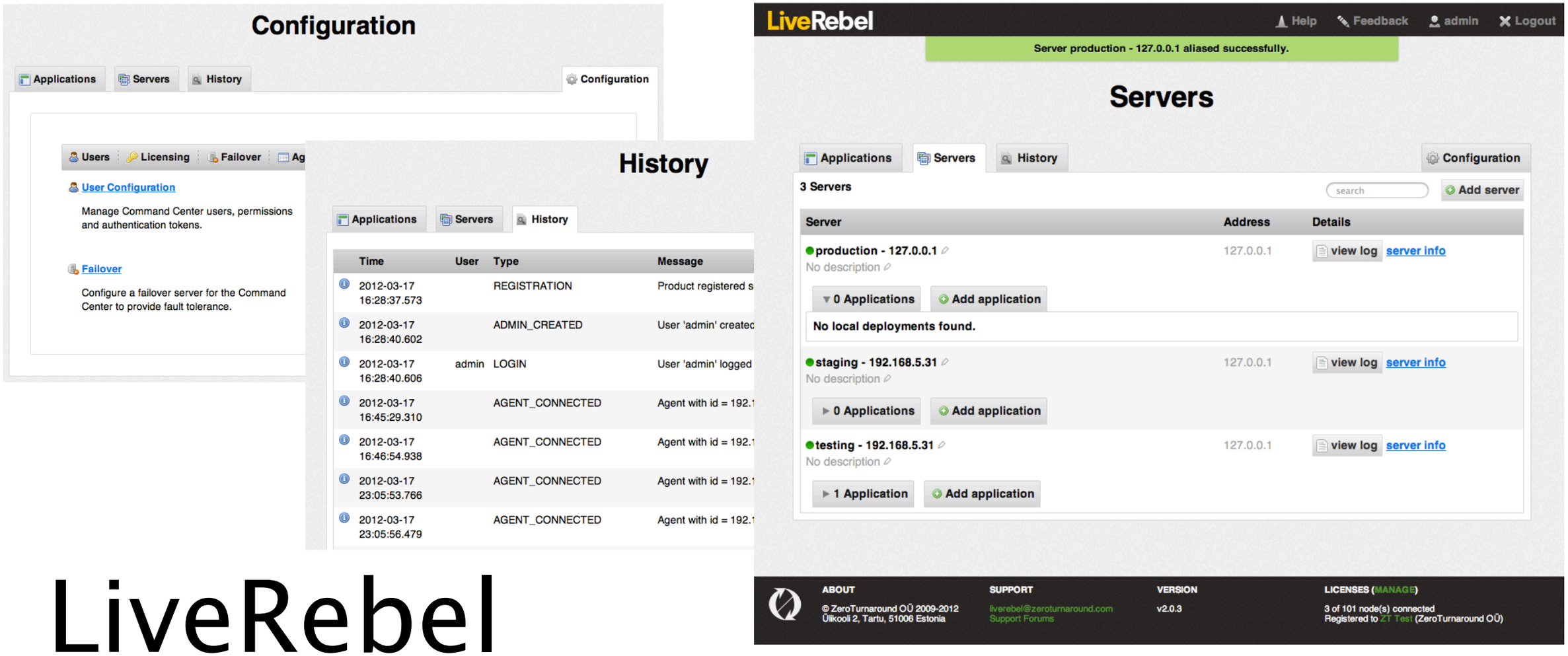
ZEROTURNAROUND

AUTOMATION PLATFORM

CRON ON STEROIDS

Jenkins

- Logging
- Notifications
- Clustered
- GUI
- Authentication
- Authorization



LiveRebel

(Commercial deployment tool)

What is LiveRebel?

- Dashboard
  - Application Servers
    - Applications
    - Deployments
- Scriptable

What can you do with LiveRebel?

- Deploy/Undeploy
- Update
  - No downtime
  - No lost sessions
  - Plain old restarts
- Edit in place

Why LiveRebel?

- No good OSS alternative
- Supports many containers
- No downtime updates
- Integrates with OSS projects

Jenkins + LiveRebel

- Jenkins
  - Orchestrate the process
- LiveRebel
  - Handle deployments

WHAT IS CONTINUOUS DELIVERY?

NOW LET'S BUILD A TRACKABLE PIPELINE!

Aspects

- Job chaining
- Artifact propagation
- Artifact tracking
- Artifact deployment

DEMO

Aspects

- Job chaining
- Artifact propagation
- Artifact tracking
- Artifact deployment
- Transparency

Q & A