

let's move the java world

**Developing for multi-component environments** 

while keeping your sanity



## Who's talking?



#### Developer who?

lob Decription: 1. Hang out with DevOps 2. Talk about it

### Developer who?



#### Agenda

Mostly, Boromir memes.

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Mostly, Boromir memes.



7 movie references



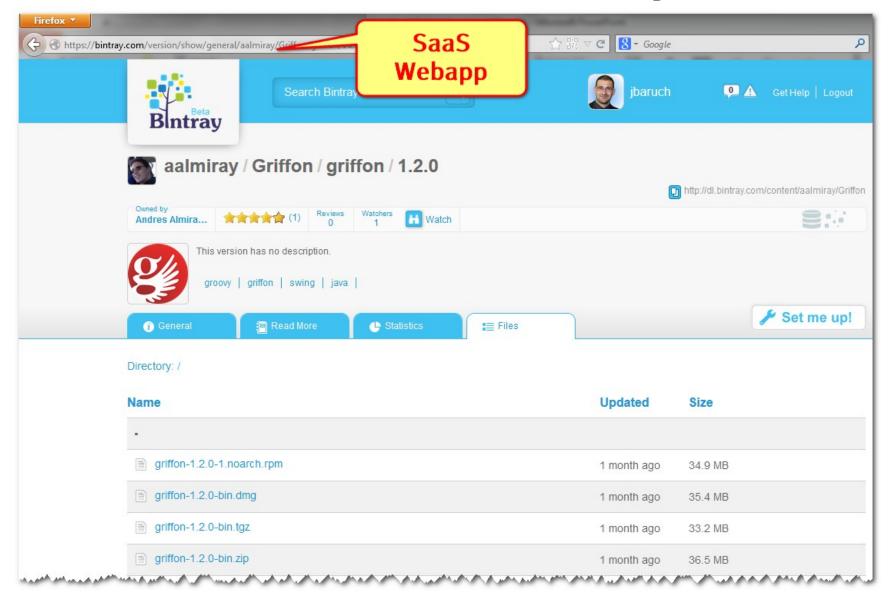
#### **About This Package**

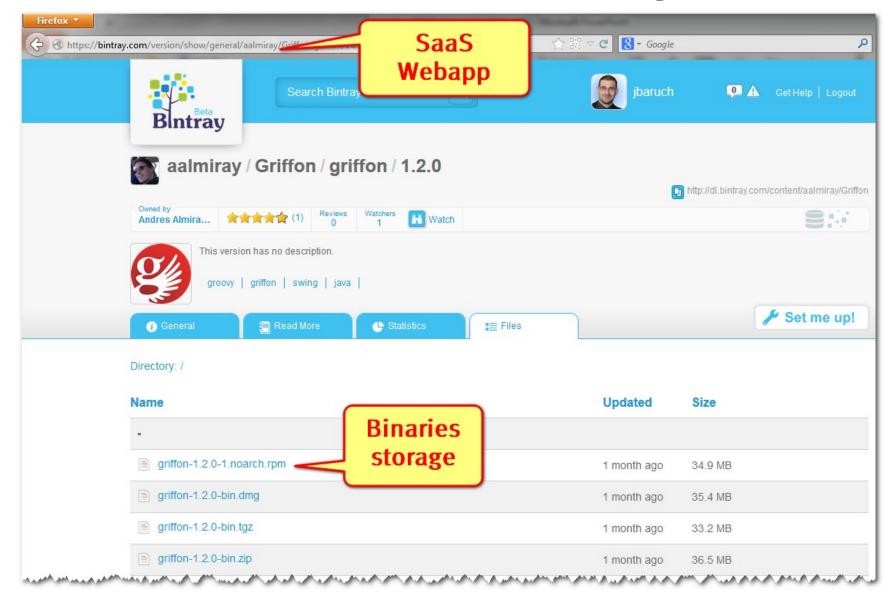
Website	http://www.jfrog.com
Issue Tracker	https://issues.jfrog.org/jira/browse/rtfact
VCS	https://subversion.jfrog.org/artifactory/public/trunk
Licenses	LGPL-3.0 🔱
Downloads (v 2.6.6)	

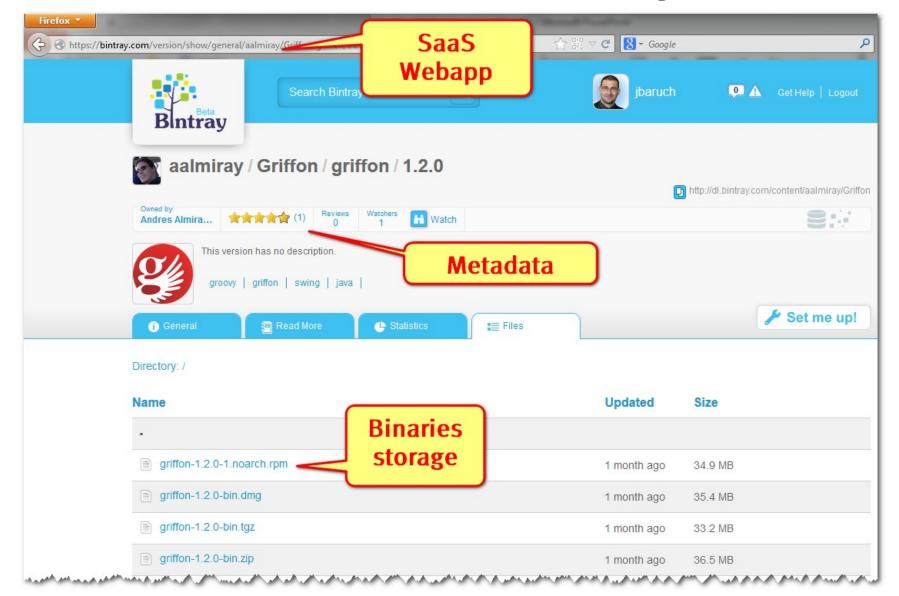
2.6.6
2.6.5
2.6.4
2.6.3
2.6.2
View All

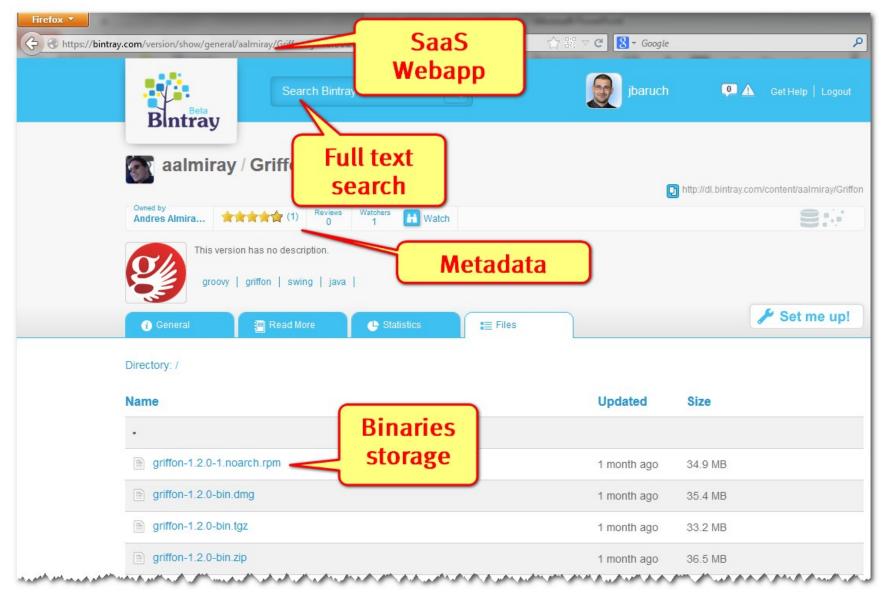
artifactory-2.6.6.zip
Latest release

sha1: b7f449f752f337502f9fc8799caf38e548128b43









# We love our tools (and frameworks)



























































**EHCACHE** 





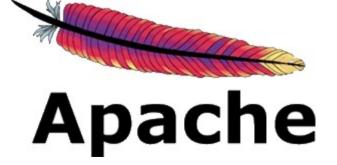








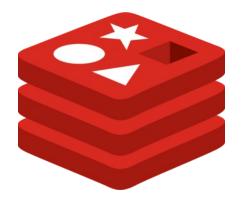








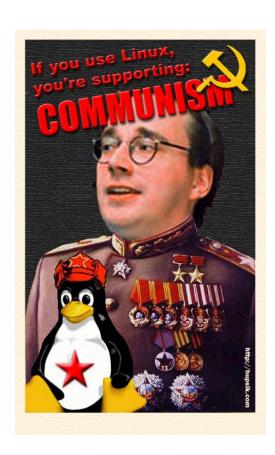


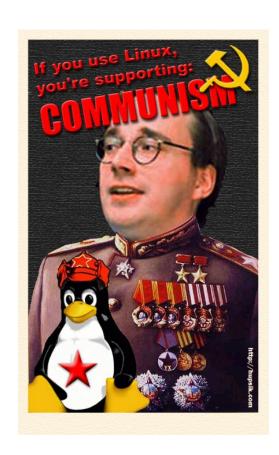


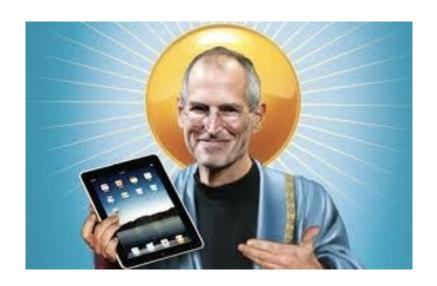
**EHCACHE** 

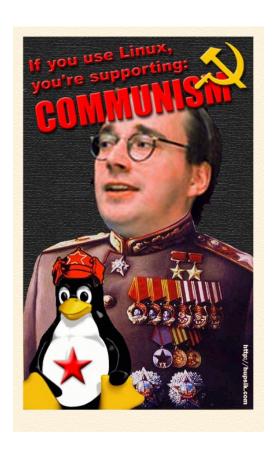








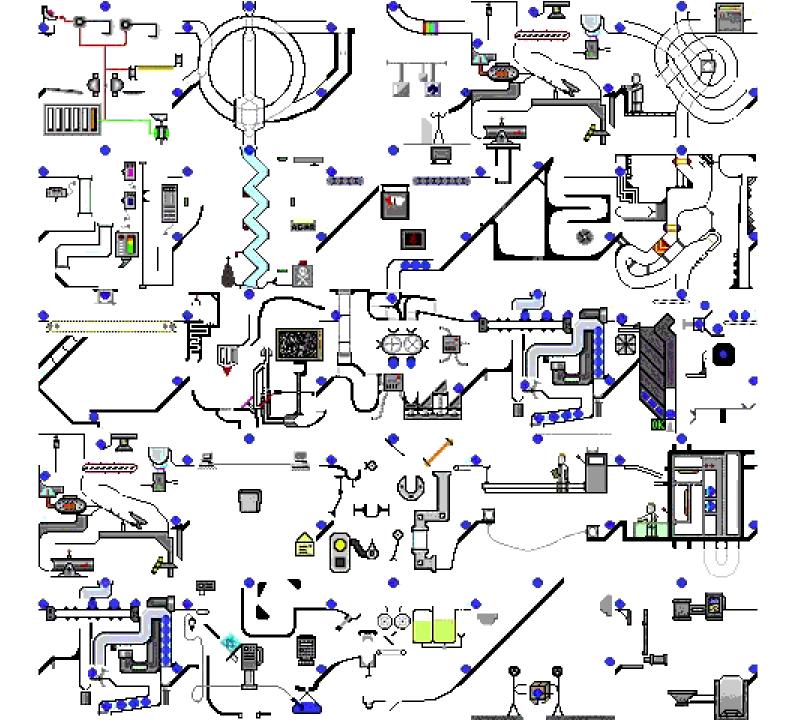








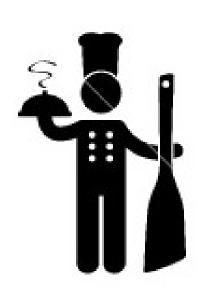






















#### Chef What?



#### Opscode Chef



Chef is a systems integration framework, built to bring the benefits of configuration management to your entire infrastructure.

#### Opscode Chef

#### **About Cookbooks**

A cookbook is the fundamental unit of configuration and policy distribution in Chef. Each cookbook defines a scenario, such as everything needed to install and configure MySQL, and then it contains all of the components that are required to support that scenario, including:

### Opscode Chef

#### **About Cookbooks**

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### Opscode Chef

```
115
       if platform family? 'windows'
116
          require 'win32/service'
117
118
         windows path node['mysql']['bin dir'] do
119
           action :add
120
          end
121
122
123
         windows batch "install mysql service" do
           command "\"#{node['mysql']['bin dir']}\\mysqld.exe\" --install #{node['mysql']['service name']}"
124
           not if { Win32::Service.exists?(node['mysql']['service name']) }
125
126
          end
127
       end
128
```

#### The Solution







#### The Solution







### Vagrant Who?



# Getting Started with Vagrant

Vagrant uses Oracle's VirtualBox to build configurable, lightweight, and portable virtual machines dynamically.

#### Configuring Chef and the Vagrant

```
Vagrant::Config.run do |config|
 config.vm.box = "lucid32")
  # Enable and configure the chef solo provisioner
  config.vm.provision :chef_solo do |chef|
    # We're going to download our cookbooks from the web
    chef.recipe_url = "http://files.vagrantup.com/getting_started/cookbooks.tar.gz"
    # Tell chef what recipe to run. In this case, the `vagrant_main` recipe
    # does all the magic.
    chef.add_recipe("vagrant_main")
  end
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#### The Solution







#### The Solution























mysql



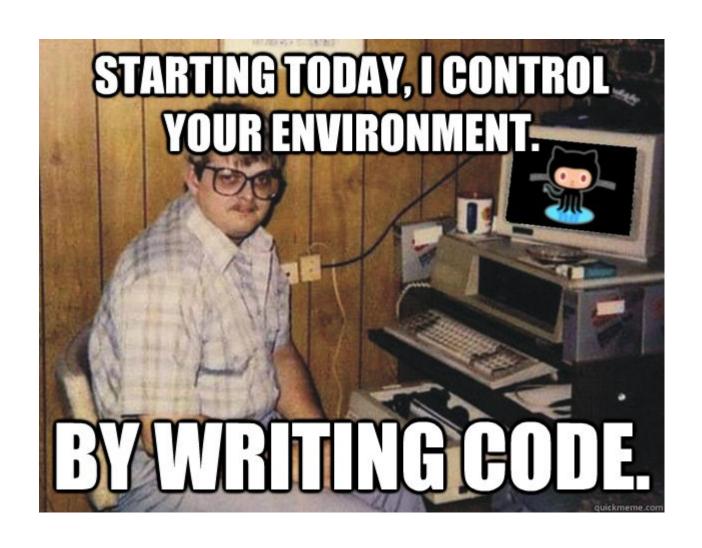
apache2 apt ark artifactory laws basic-pack bluepill bt\_install build-essential chef handler deploy devnullsmtp

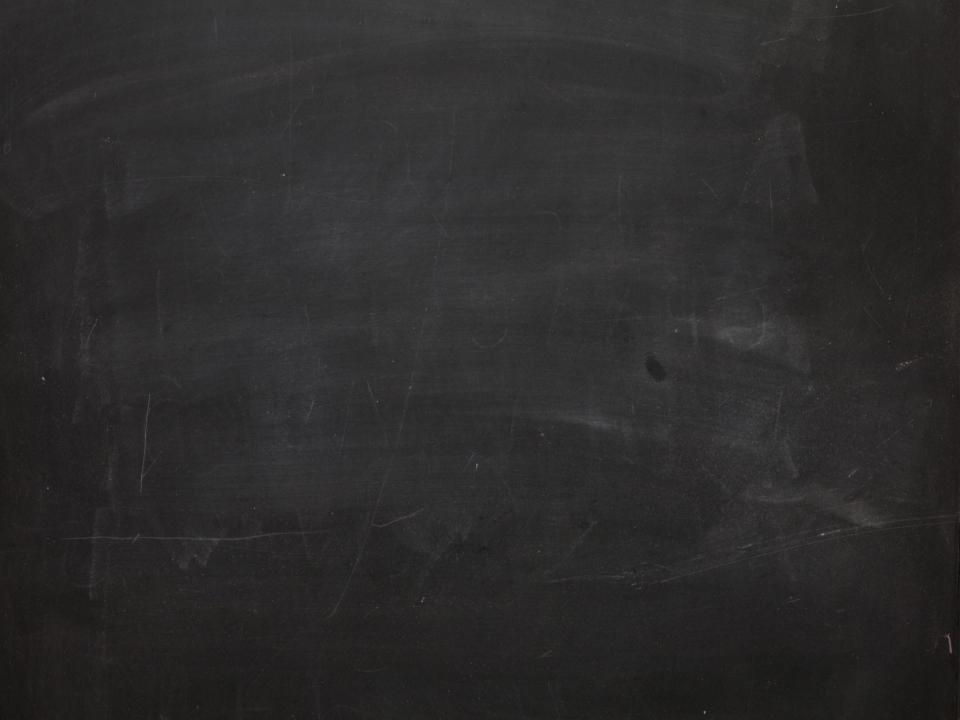
cookbooks>1s erlang haproxy incapsúla install\_from java ifrog libs loggly logicmonitor logrotate memcached metachef mount

nagios network-host network-keys nrpe ohai openss1 postgresgl redis-0.0.3 redisconf route53 runit

searchconf selinux serverdensity simple\_iptabĺes sshid system\_services timezone tomcat7 update\_databag user vagrant\_main windows yum zookeeper

#### The Ops are part of the DevOps





### Vagrant boots centos on virtualbox

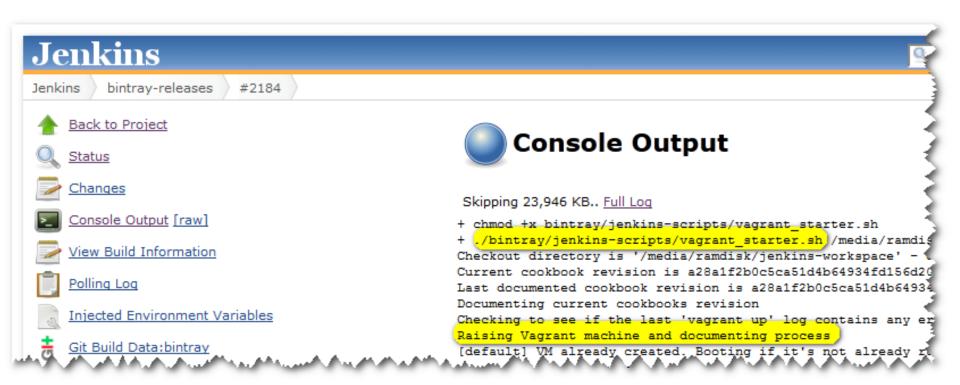
- Vagrant boots centos on virtualbox
- Chef installs all db and service rpms from private YUM repo

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- 3 Profit!





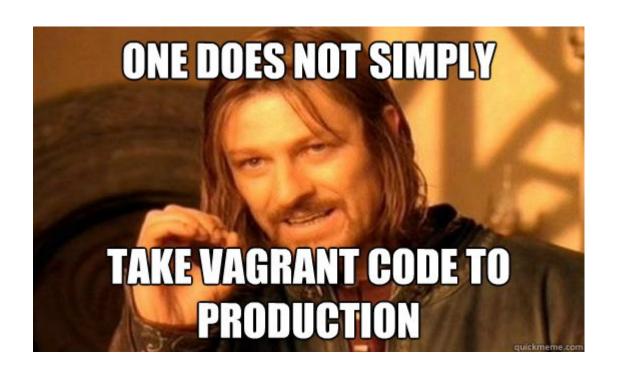
### As Easy as...



### Going to Production...







#### Production - cloud all the way





#### Production - cloud all the way





#### Production – cloud all the way



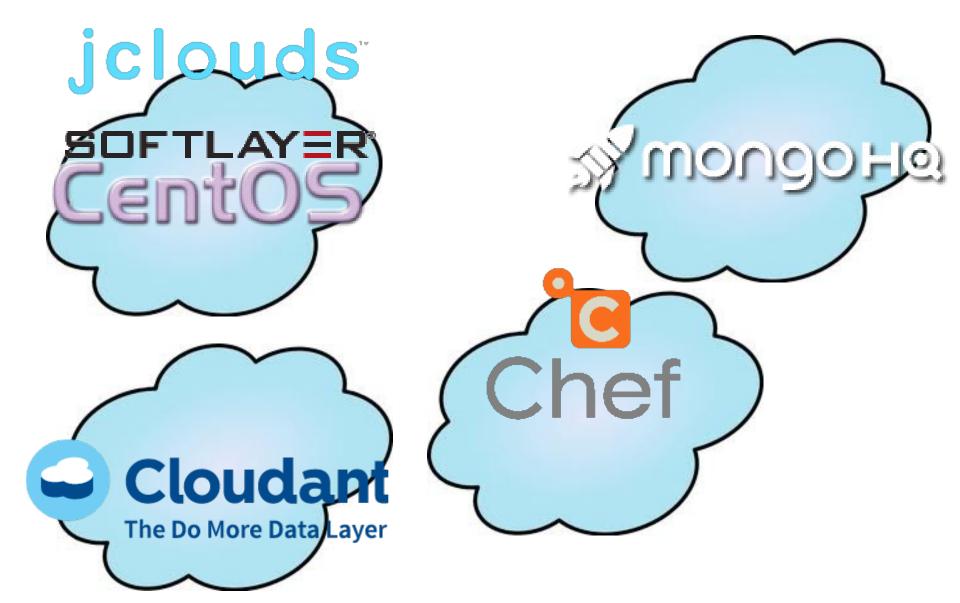


#### Production – cloud all the way





#### Production – cloud all the way



Easy setup

Easy setup

2 Same setup (inc. Ci)

Easy setup

Z Same setup (inc. Ci)

3 changes provisioning

Easy setup

Z Same setup (inc. Ci)

3 changes provisioning

4 Kill instead of fix

# The Bad

## The Bad

Chef solo!= chef server

## The Bad

Chef solo!= chef server

Black box magic for devs

# The Ugly

# The Ugly





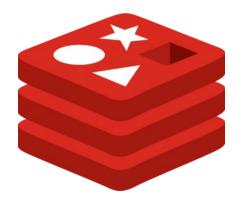
#### Demo Time!











**EHCACHE** 







## mongoDB







**EHCACHE** 





















### No, thank you!

