

Up Already? U Serious?

Sergiu Vidrascu



Who am I

Sergiu Vidrascu

Proud Father

Started of as a QA Engineer

Love everything about Automation

Working with Alfresco for about 3 years



The background features a light gray grid of hexagons. Some hexagons are filled with light blue, light green, or light yellow. A thick green line starts on the left, forms a partial hexagon, and then continues as a horizontal line across the middle of the slide.

What do I do

My Work @ Alfresco

Owner of the Test Provisioning
System

Test Automation Engineer

DevOps Engineer

chef-alfresco contributor





Alfresco Testing

Overview of current state of Testing

Rhel

Postgres

SUSE

DB2

Websphere

Boss

acle

QLServer

/Sql



Problems

Incredibly time consuming

Huge amount of manual intervention

Error prone setups

No Infrastructure as Code, No Automated Provisioning

Needs a bit of experience in everything

No End of Life concept for environments

Using a lot of hardware resources

Development teams struggling with bugs on marvelous setup combinations



The background features a pattern of overlapping hexagons in light blue, light green, and light yellow. A thick green line forms a stylized frame around the text.

Better, Faster, Stronger!

The Pact



Test Team

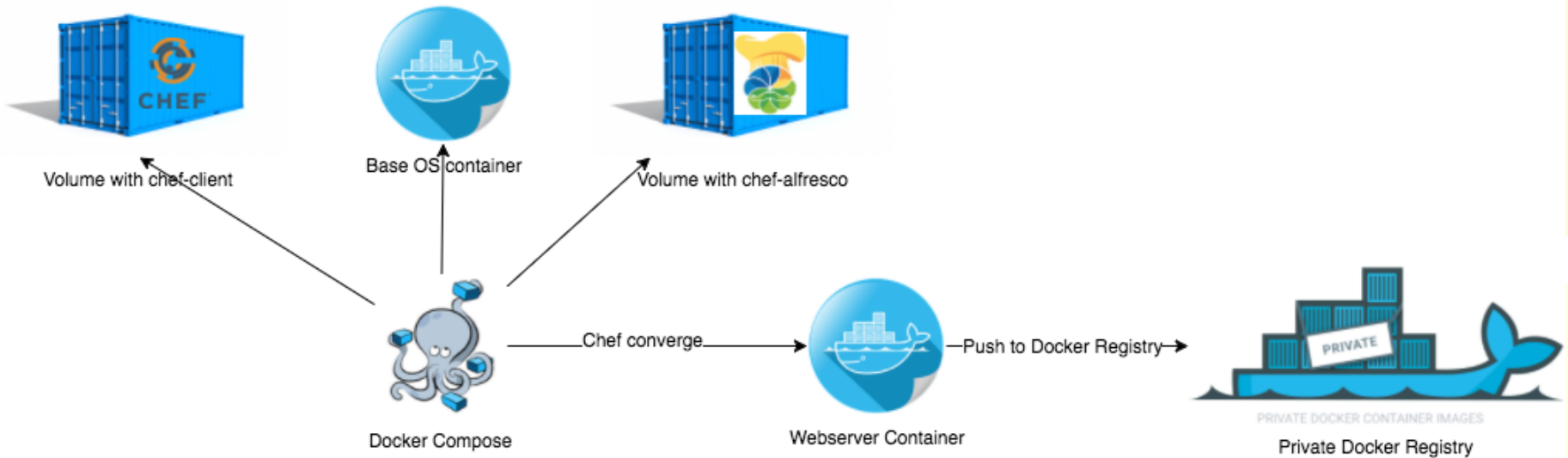


CHEF



docker

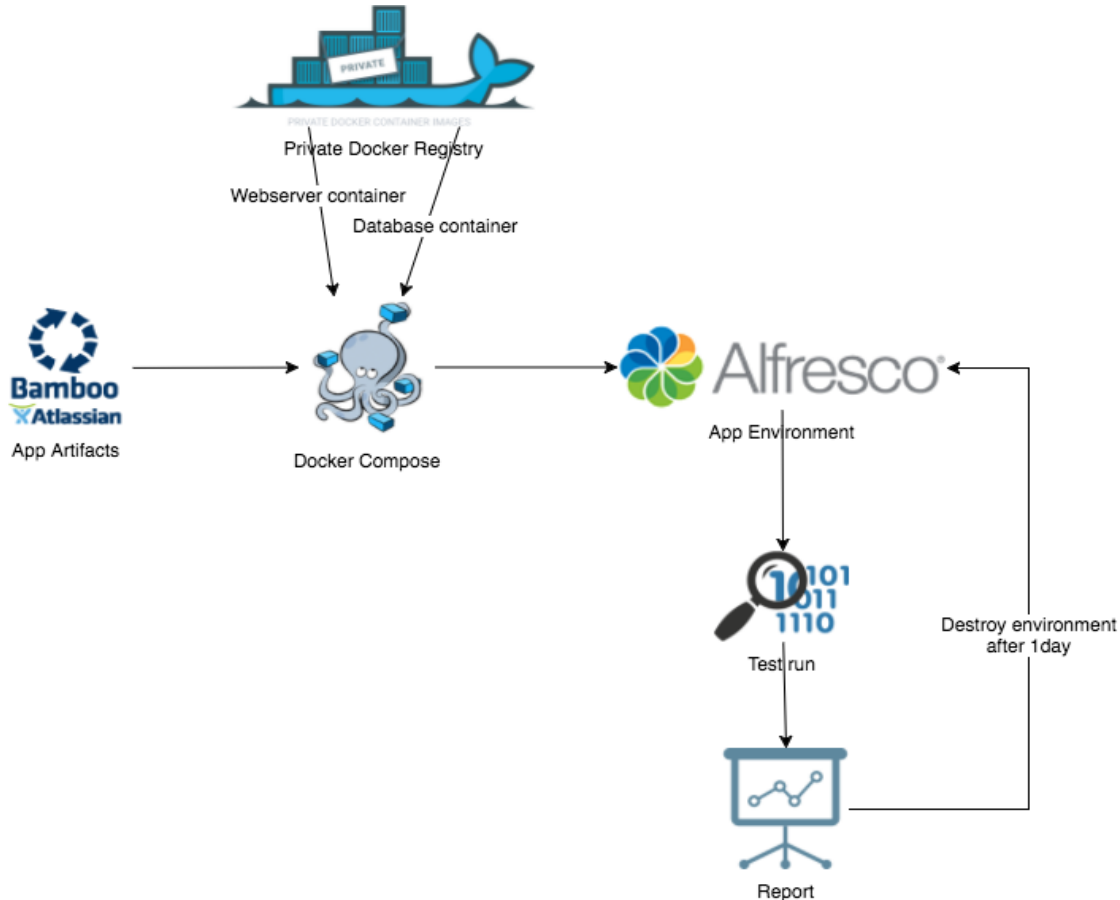
Docker and Chef Awesomeness in action



docker-compose.yml x

```
1  # Build a data volume container with the chef cookbooks on it.
2  chefdata:
3      build: chef
4      command: "/bin/true"
5
6  # Attach the image containing the Chef installation
7  chef:
8      image: docker-internal.alfresco.com/chef-client:12.11.18
9      command: "/bin/true"
10
11 # Build the application container using Chef and the cookbooks on the attached volumes
12 alfresco:
13     build: .
14     dockerfile: rhel7-dockerfile
15     volumes_from:
16         - chefdata
17         - chef
18     environment:
19         PATH: "/opt/chef/bin:$PATH"
20         LC_CTYPE: "en_US.UTF-8"
21     entrypoint: "/opt/chef/bin/chef-client"
22     command: "-c /tmp/chef/zero.rb -z -j /tmp/chef/attributes.json"
23
```

It's Alive !!!



- Amp application
- War additions
- License additions
- Global Properties
- DB switching
- Scaling

Rancher, fancy UI, powerful functionality

Navigation Bar: My Local Workstation, STACKS, CATALOG, INFRASTRUCTURE, ADMIN, API

Catalog: Alfresco-5.1.x

Alfresco Logo: Catalog: Alfresco, Category: ECM

Add Alfresco-5.1.x Stack
Internal Alfresco

Template Version

- ✓ Choose a version...
- 5.1.0-Stack1
- 5.1.0-Stack1SINGLENODE
- 5.1.0-Stack2
- 5.1.0-Stack4
- 5.1.0-Stack5**
- 5.2.1-Stack5

Cancel



Jenkins

Jenkins

OS

☐ rhel7.1

☐ rhel7.2

☒ centos7.2

☐ ubuntu14.04

☐ windows2012

☐ sles12

☐ solaris112

Filter

Pick an OS you want to deploy on!

AppServer

☒ tomcat7.0.59

Pick an AppServer to deploy on!

schema

☒ SingleNode

☐ Schema1

☐ Schema2

Pick a Clustering scheme to use

DB

☐ oracle12c

☐ postgres9.4.4

☒ mariadb10.0.20

☐ mysql5.6.26

Quick Demo

Lessons learned

- Painful to synchronize clusters
- Startup scripts gives us a lot of power
- Dealing with large images
- Volumes + Upgrades = LOVE
- Adoption is hard



The Future for Testing & DevOps

- Doing Amp Integration testing with Consul & Consul template
- Using AWS with Rancher and Jenkins
- Completely automate Upgrade Testing
- Reduce Test Cycle time even further
- Have a Docker image for Alfresco Content Services, already have them for [Search](#) and [Process](#)
- Merge the testing provisioning with chef-alfresco

Q&A

Speaker contacts



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