



And suddenly - Open Source!

What happens if your daily work is happening in the open?

Symfony User Group Basel
Bastian Widmer - @dasrecht | @amazeeio



And suddenly - Open S



Today with more
Containers!

What happens if your daily work is happening in the open?



Overview

- Introduction amaze.io
- How we started with Docker
- Why open source?
- Challenges and Benefits
- Discussion / Questions and 🍺

\$> whoami bastian

System Engineer at amaze.io

Open Source

Containers in Production  

Zurich, Switzerland

@dasrecht

Too many side projects!

- DevOpsDays Zurich
- CommunityRack.org
- Running Tor Exitnodes for fun
- Working with real Containers

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Containers are hard!

- me, every day

Open source is hard too!

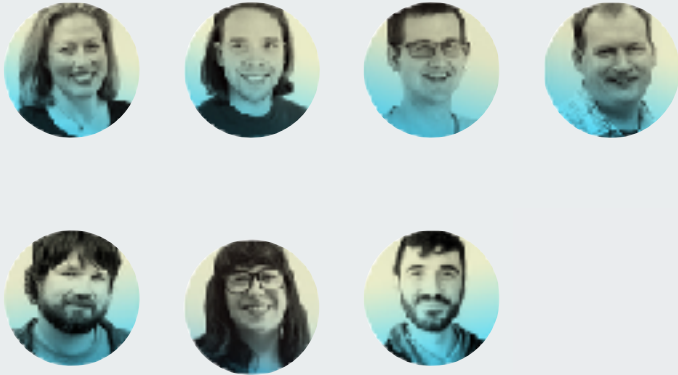
- also me, most of the days



So, amaze.io?



amazee.io



- Hosting Platform tailored to Drupal
- Part of the Amazee Group
- Hosting since 8 years
- High-Performance and High-Traffic sites
- We're a remote team
- Hosting in 16 different countries
- Cloud and On-Premises

Local Development Iterations

From Vagrant to Docker in 3 Years

We went from Vagrant to Docker!

- many many System Engineers



Iterations

- 2014
 - Hey Vagrant is cool! = Vagrant & Chef
- 2015
 - Ok Vagrant and Puppet it is!
- 2016
 - It's not flexible, uses a lot of space and updating is a pain!
 - Let's take look at Docker
 - Building tooling around Docker - pygmy
 - Customer Demand: Decoupled Websites
 - **Why using Containers just locally?**

Pygmy: <https://github.com/amazeeio/pygmy>



Iterations

- 2017
 - First Website running on Docker!
 - Eureka! This actually works!
 - Open Source?
 - Open Source! - Lagoon
- 2018
 - Working towards V1.0.0 Release

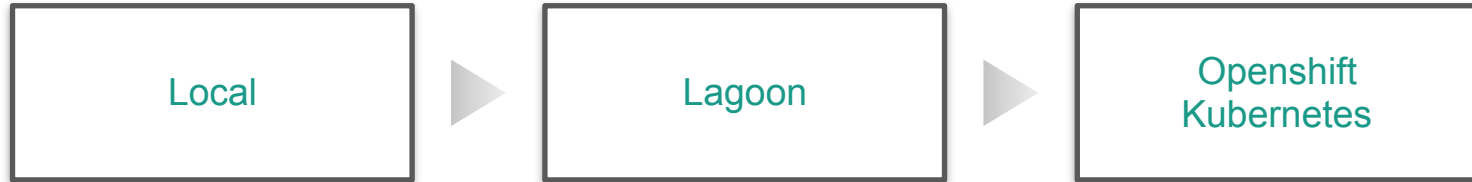


Lagoon?

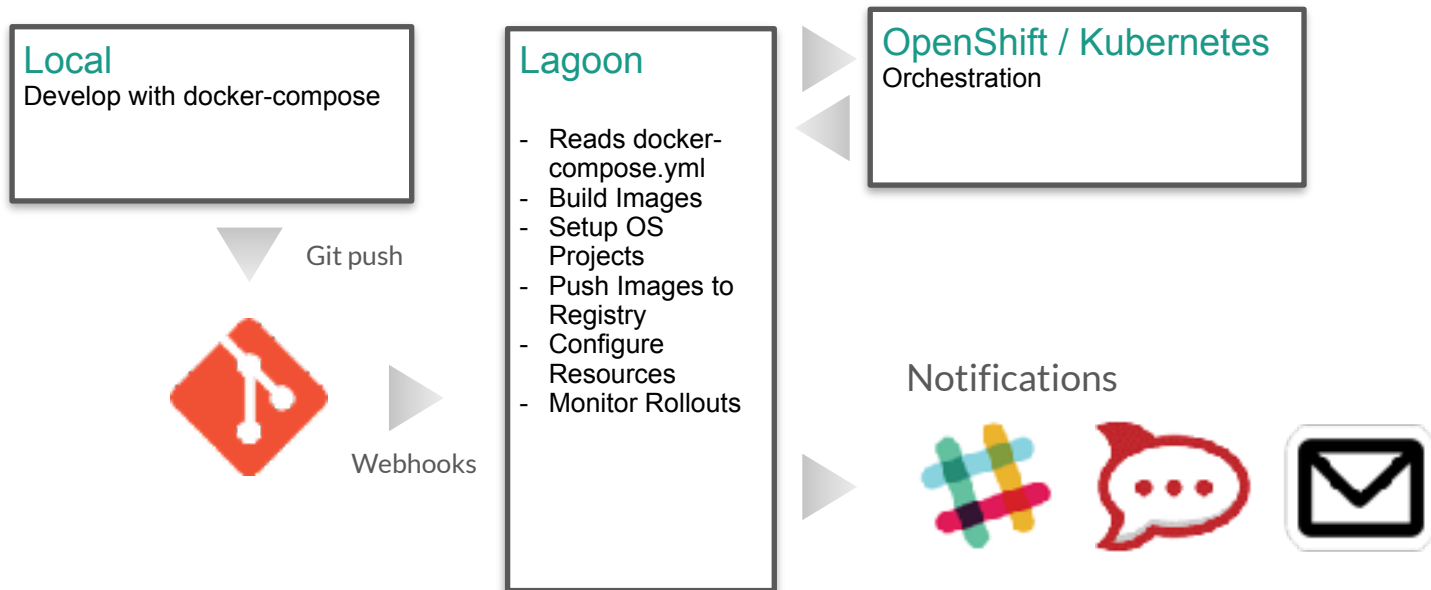
- 4. Iteration of our Hosting Stack
- Microservices
- Deployment Pipeline for Drupal Web Projects
- Local Development Environment



TL;DR



More Details



Why open source?

Since our beginnings, it has troubled us to see an open source project like Drupal being hosted on proprietary hosting platforms. Today, we are making conscious decision to change that.

- Michael Schmid , CTO amaze.io



Opensource

- Let's look at conventional hosting stacks



Hosting Stack Opensourceness?

- ✓ CMS / Drupal
- ✗ Hosting Platform
- ✓ PHP
- ✓ Nginx
- ✓ MySQL / MariaDB / PostgreSQL
- ✓ Operating System
- ✓ Linux-Kernel

Docker Build and Deploy System for OpenShift & Kubernetes

SDK

Add topic

4,906 commits 12 branches 3 releases 28 contributors Apache 2.0

Branches master New pull request Create new file Upload files Find file Clone or download

Schitzel more documentation j ...last commit 114d9 12 minutes ago

.vscode	documentation of local files	a month ago
ci	Add command name to console error message	17 days ago
docker-images	more documentation j	42 minutes ago
helpers/drush-alias	better drush alias debug	a month ago
local-git-server	refactored tests need a new git repo	a month ago
local-hiera-watcher-pusher	our api communicate via http to the hiera git, so implementing abo ...	a month ago
local-hiera	tests have new structure	10 days ago
node-packages/leggon-commons	AMP2EEIC-600 adapt webhook handler (FS)	a month ago
services	update to kubectl 0.20, the 0.18 does not display any more	7 days ago
tests	all tests with aliases	7 days ago
amazseio.yml	remove old legacy as we don't want to deploy this any more	a month ago
dockerignore	update to new leggon deploy mechanism	2 months ago
gitignore	refactoring	a month ago
watcher.yml	test try watcher	2 months ago
yamlc	refactoring	a month ago
CODE_OF_CONDUCT.md	Create CODE_OF_CONDUCT.md	17 hours ago
DEVELOPMENT.md	Update documentation	13 hours ago
Jenkinsfile	comma	7 days ago
Jenkinsfile-testing-develco	fixing test levelco	8 days ago
Jenkinsfile-testing-master	fixing test levelco	8 days ago





Lagoon is completely open source

- All Docker Images
- All Configurations
- Build & Deploy Scripts
- Testing Infrastructure

GitHub: github.com/amazeeio/lagoon

Hosting Stack Opensourceness with Lagoon



- ✓ Drupal
- ✓ Hosting Platform 🎉
- ✓ PHP
- ✓ Nginx
- ✓ MySQL / MariaDB
- ✓ Operating System
- ✓ Linux-Kernel



Use Open Source to build Open Source

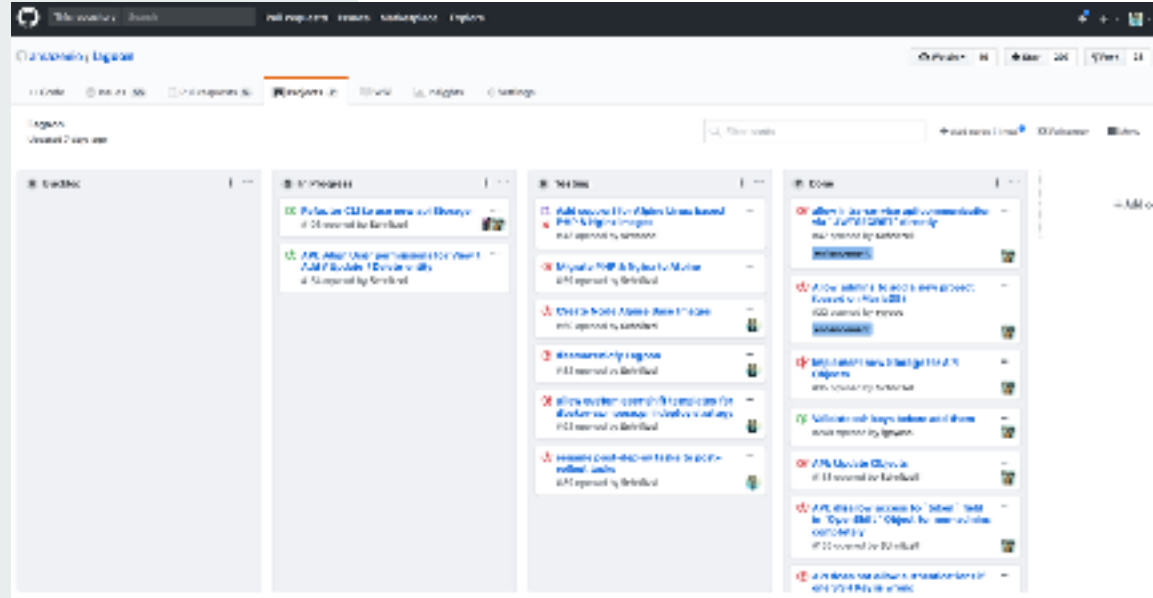
- OpenShift
- Kubernetes
- Alpine Linux Docker Images

What happened afterwards?



Good Things

- Everyone sees the status of the development





Good Things

- Big Problems get more visibility (and get resolved quicker)
- A fix of one customer can help another
- Public Roadmap
- Ideas Space 🎉 - Feature Requests
- More Interaction with your customers

Challenges

- But why is there your company name all over the place?
True, let's fix it!

deamazeiofy Lagoon #82

 Closed Schnitzel opened this issue on 26 Oct 2017 · 1 comment



Schnitzel commented on 26 Oct 2017 • edited ▾

Owner



- `.amazeeio.yml -> .lagoon.yml`
- `.amazeeio.env.$BRANCH -> .lagoon.env.$BRANCH`
- `cos.amazeeio -> lagoon`
- everything else



Challenges

- Telling people that it is open source and that they can change it and open a pull request :)
- Not everyone is happy with having all his comments in the open
- People expect everything we do is open source (even the legacy things)
- Think through your code more - make sure the next person also understands the code

All in all it's a rollercoaster worth riding!

Thank you for your attention!

Bastian Widmer - @dasrecht | @amazeeio

2-3 May
Zuerich-Winterthur

Tickets: devopsdays.org

