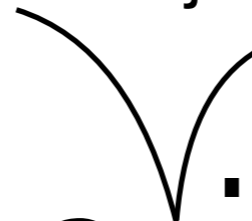


# Developing in the Cloud

Clojure



Martin Trojer

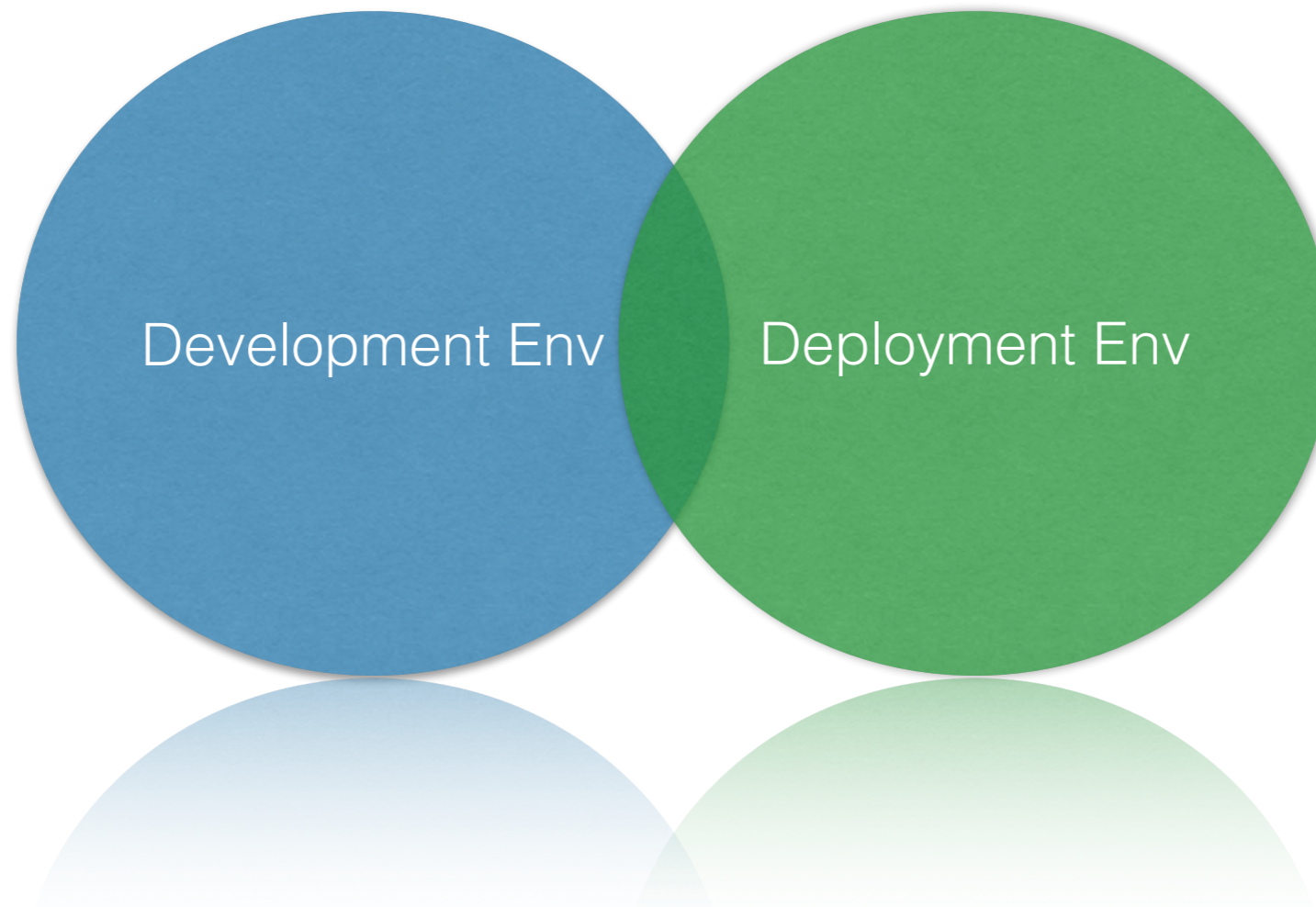
**JUXT**

<http://martintrojer.github.io>

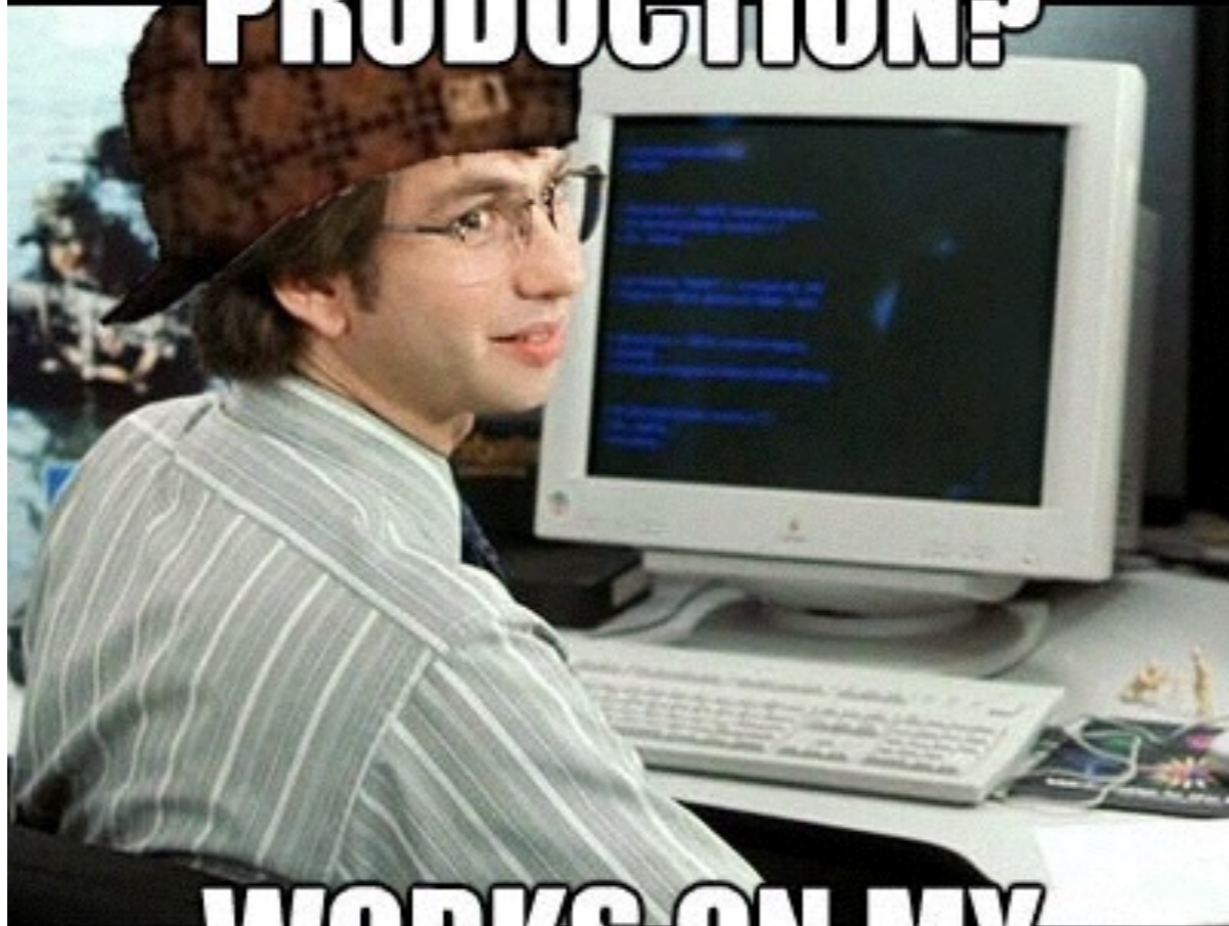
  martintrojer

# The Cloud is great but...

- Moving target, different Linux distros
- Different JVM, DB (etc) versions



**DEFECT IN  
PRODUCTION?**



**WORKS ON MY  
MACHINE**

# Do all development in VMs!





Provision, ssh  
& hack away



# Pros

- Production environment parity  
No more WOMM
- Automate setting up devboxes  
No more outdated 'our dev env' wikis / napkins
- Local/remote transparency
- Great for pairing  
tmux shared screens (\*)
- Host env can be anything(\*\*)
- Freedom to experiment
- Embrace the devops, path to production provisioning
- Host env hygiene



tmux attach

tmux attach



# Pros

- Production environment parity  
No more WOMM
- Automate setting up devboxes  
No more outdated 'our dev env' wikis / napkins
- Local/remote transparency
- Great for pairing  
tmux shared screens (\*)
- Host env can be anything(\*\*)
- Freedom to experiment
- Embrace the devops, path to production provisioning
- Host env hygiene



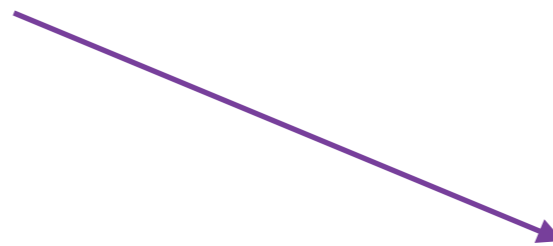
# Cons

- It's all terminal
  - Not good for IDEs  
Emacs/Vim users are (typically) fine
- Need a decent network connection
- Moar RAM in your laptop

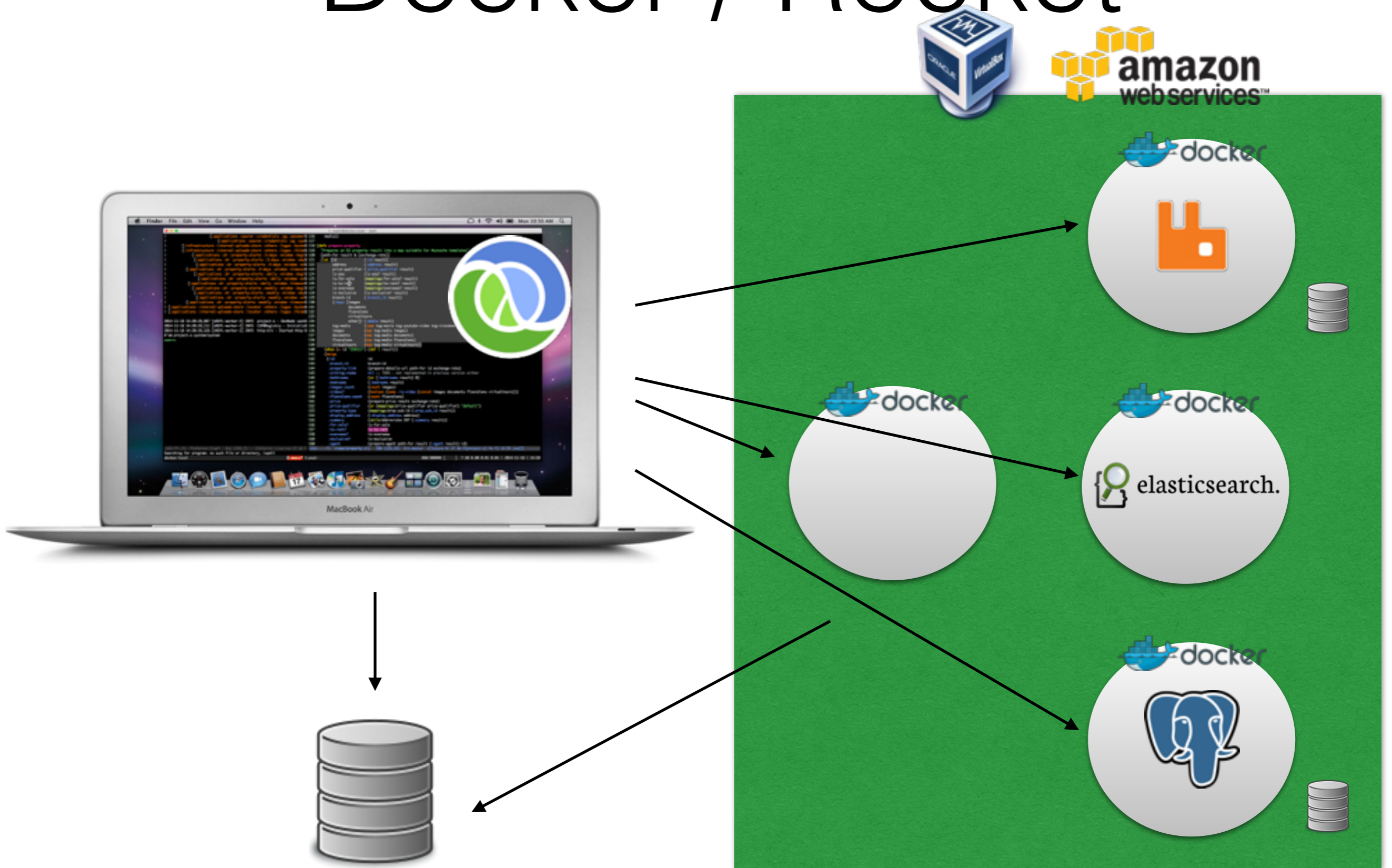
# github.com/martintrojer/ devbox

- Vagrant
- Virtualbox / AWS
- puppet
- emacs, lein, multi-user (incl. pairing)
- postgres

# Hybrid setups



# Docker / Rocket



# with boot2docker

- `boot2docker start`
- `docker run -d postgres`
- `docker run -d dockerfile/elasticsearch`