

Using Docker in Cloud Networks

Chris Swan, CTO

@cpswan

cohesiveFT

the original cloud networking company

Agenda

Docker Overview

Dockerfile and DevOps

Docker in Cloud Networks

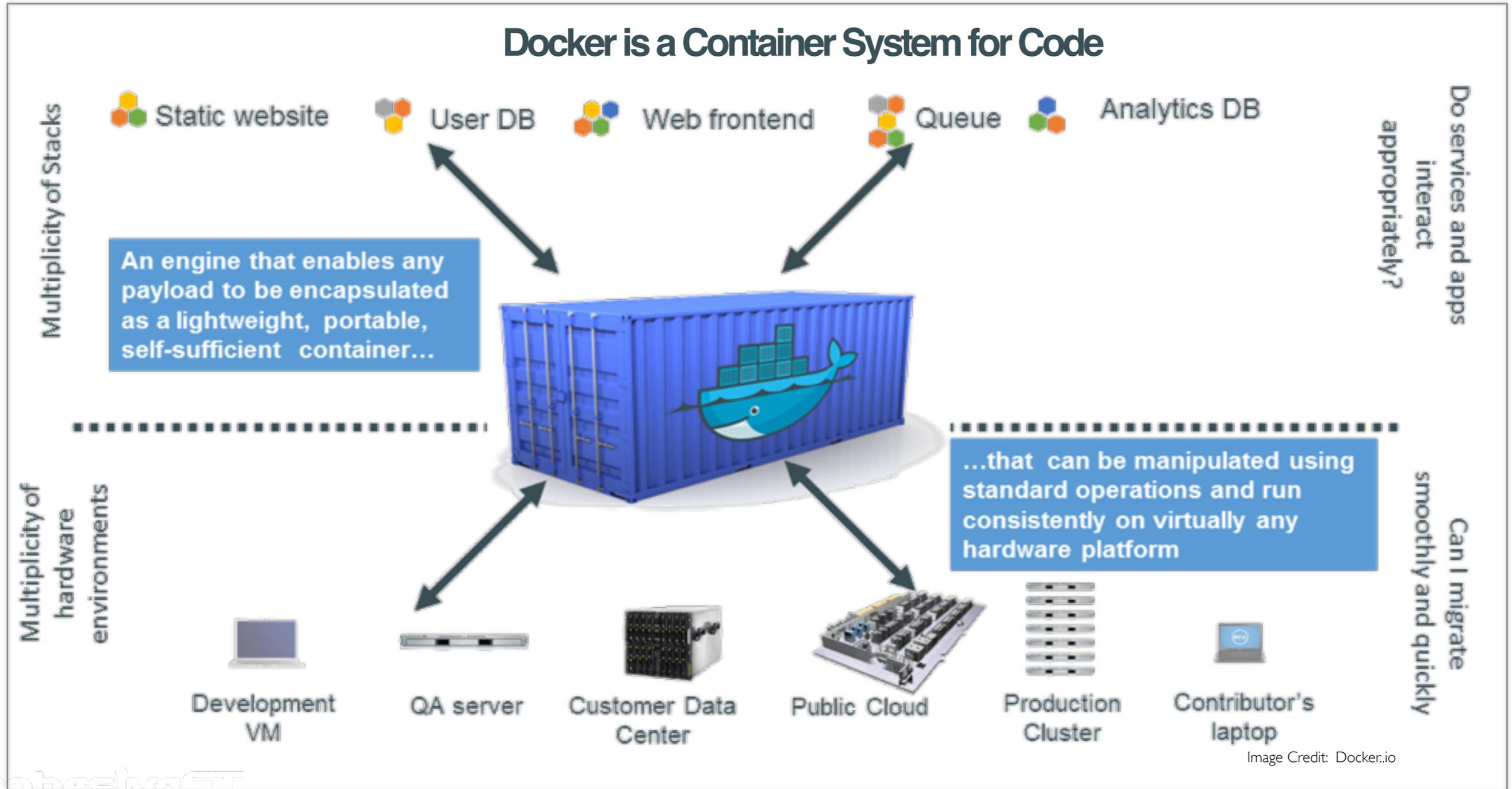
Some Trip Hazards

My Docker Wish List

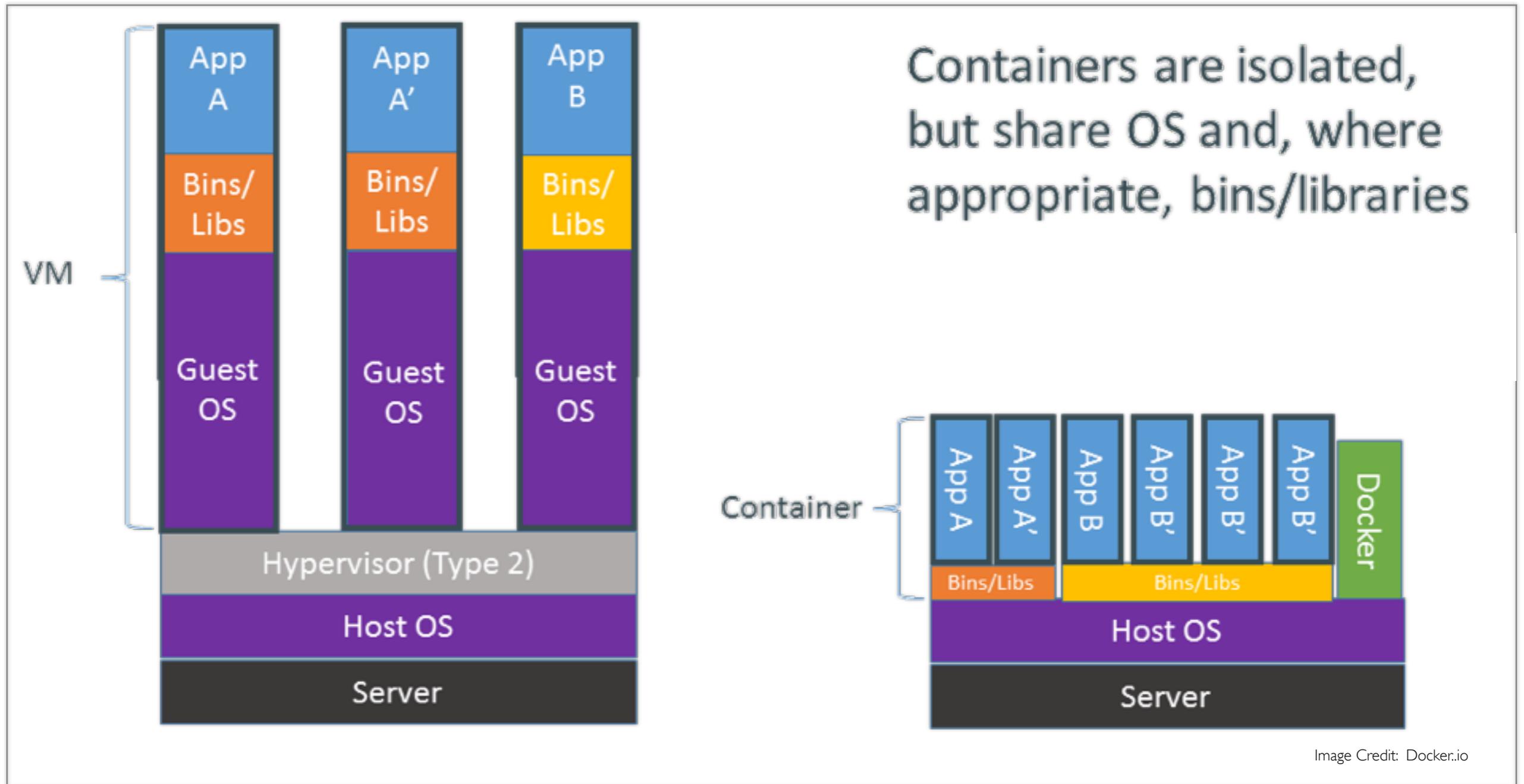
Docker overview

docker background

Open source project released in March 2013



A different granularity of virtualisation



Continuing the container analogy

	Physical Containers	Docker
Content Agnostic	The same container can hold almost any kind of cargo	Can encapsulate any payload and its dependencies
Hardware Agnostic	Standard shape and interface allow same container to move from ship to train to semi-truck to warehouse to crane without being modified or opened	Using operating system primitives (e.g. LXC) can run consistently on virtually any hardware - VMs, bare metal, openstack, public IAAS, etc. - without modification
Content Isolation and Interaction	No worry about anvils crushing bananas. Containers can be stacked and shipped together	Resource, network, and content isolation. Avoids dependency hell
Automation	Standard interfaces make it easy to automate loading, unloading, moving, etc.	Standard operations to run, start, stop, commit, search, etc. Perfect for devops: CI, CD, autoscaling, hybrid clouds
Highly efficient	No opening or modification, quick to move between waypoints	Lightweight, virtually no perf or start-up penalty, quick to move and manipulate
Separation of duties	Shipper worries about inside of box, carrier worries about outside of box	Developer worries about code, Ops worries about infrastructure.

What's outside the box?

Linux containers (LXC)

Similar to Solaris zones, FreeBSD jails, IBM LPAR etc.

> chroot

< any hardware (VT) protected hypervisor

A union file system (e.g. AUFS)

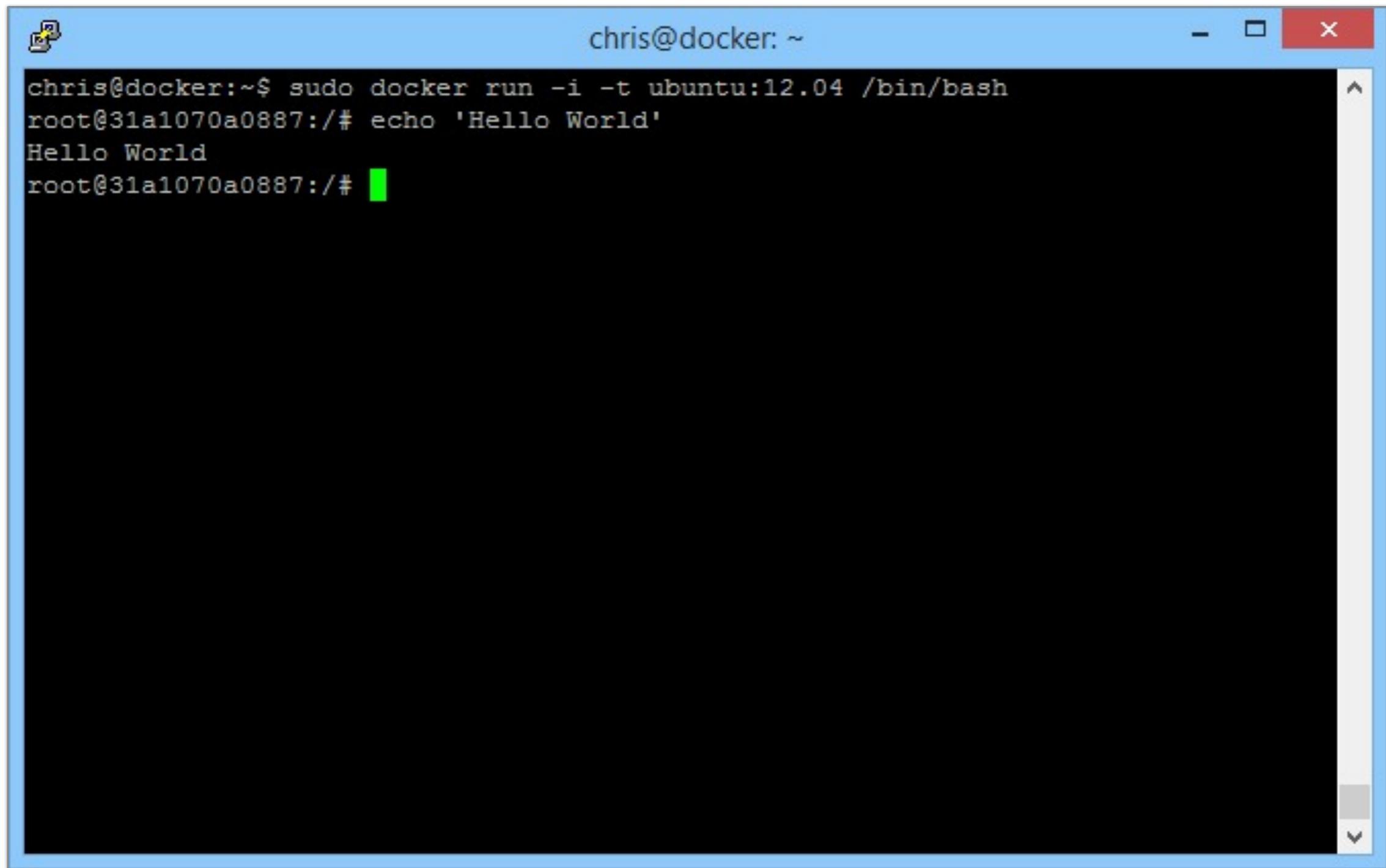
Containers are made up out of layers

May also use ZFS or BTRFS

Docker command line tool to manage lifecycle of containers

run, start, stop, ps, import, export etc.

Going inside the box - Hello World

A terminal window titled "chris@docker: ~" with standard window controls. The terminal shows a command to run a Docker container: "sudo docker run -i -t ubuntu:12.04 /bin/bash". The prompt changes to "root@31a1070a0887:/#" and the user enters "echo 'Hello World'". The output is "Hello World". The prompt returns to "root@31a1070a0887:/#" with a green cursor.

```
chris@docker:~$ sudo docker run -i -t ubuntu:12.04 /bin/bash
root@31a1070a0887:/# echo 'Hello World'
Hello World
root@31a1070a0887:/#
```

Stacking containers

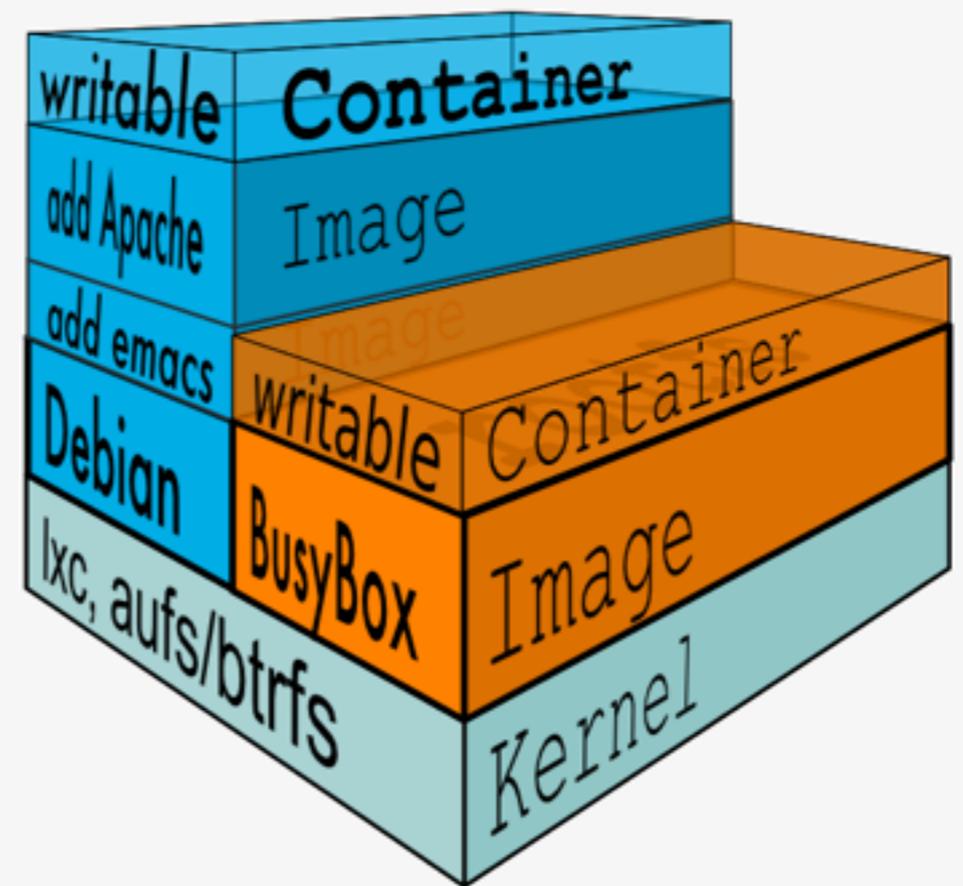
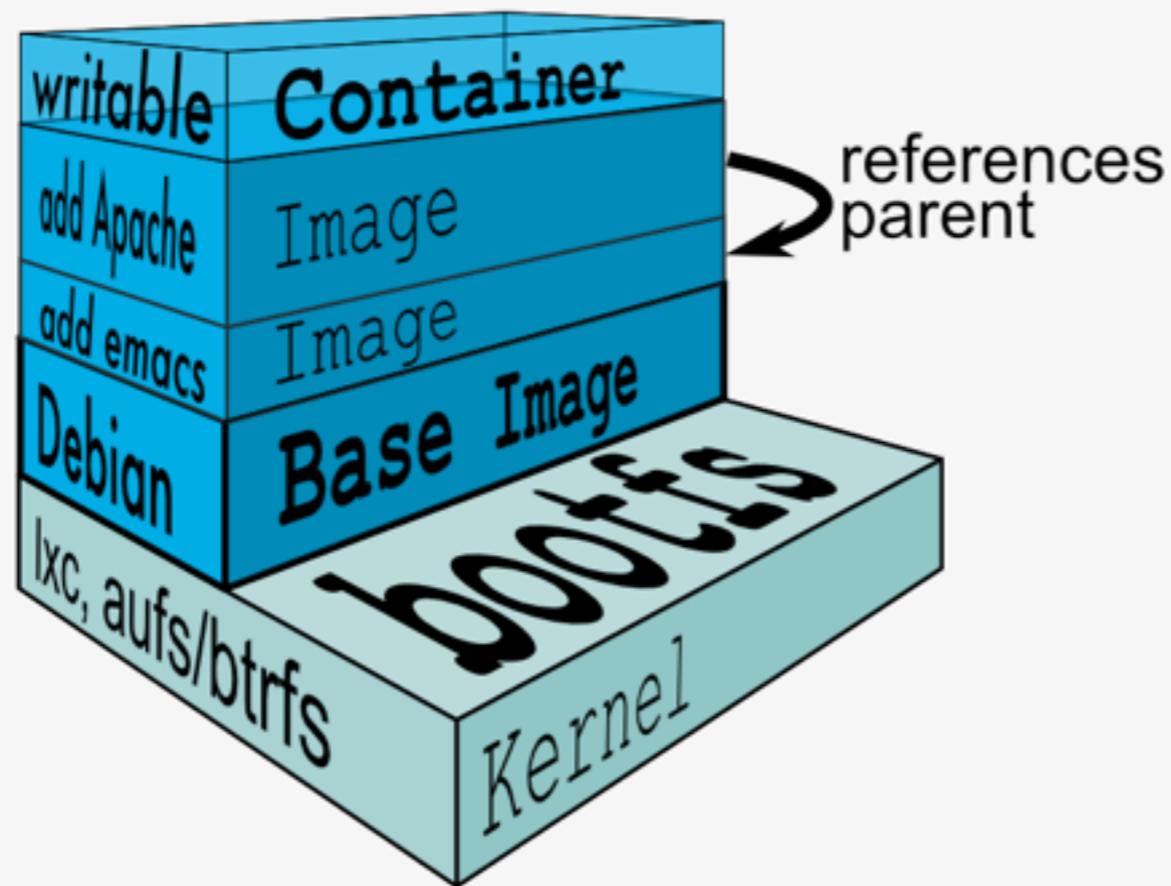


Image Credit: Docker.io

Containers and Images

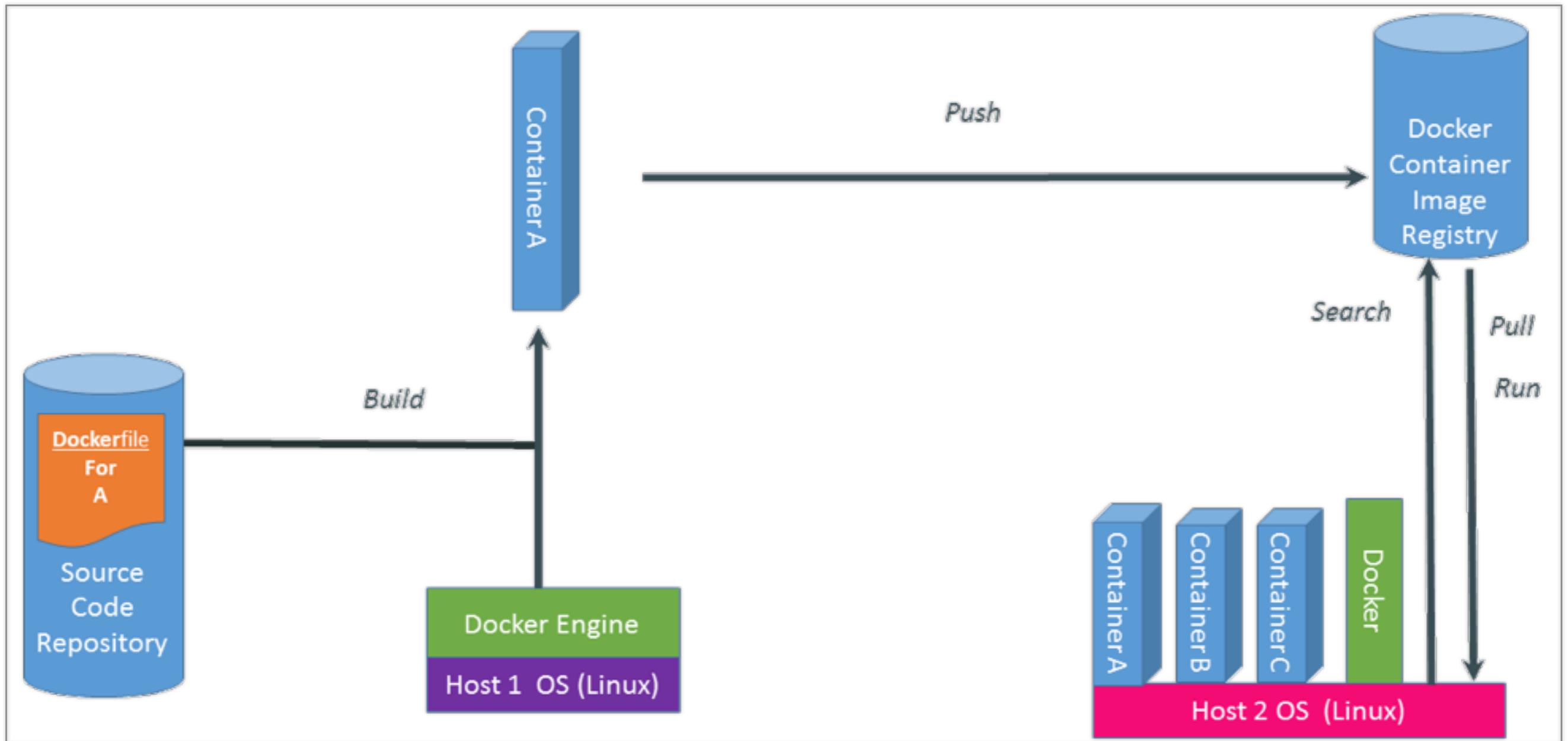


Image Credit: Docker.io

Hello World from Dockerfile

branch: **master** **dockerfiles / helloworld / Dockerfile**

Chris Swan 2 minutes ago Hello World example for QCon slides

0 contributors

file | 6 lines (3 sloc) | 0.061 kb

Open Edit Raw Blame History Delete

```
1 FROM ubuntu:12.04
2
3 MAINTAINER cpswan
4
5 RUN echo 'Hello World'
```

A real example of Dockerfile

branch: master

dockerfiles / haproxy / Dockerfile



cpswan a month ago added example usage

1 contributor



file | 25 lines (16 sloc) | 0.514 kb



Open

Edit

Raw

Blame

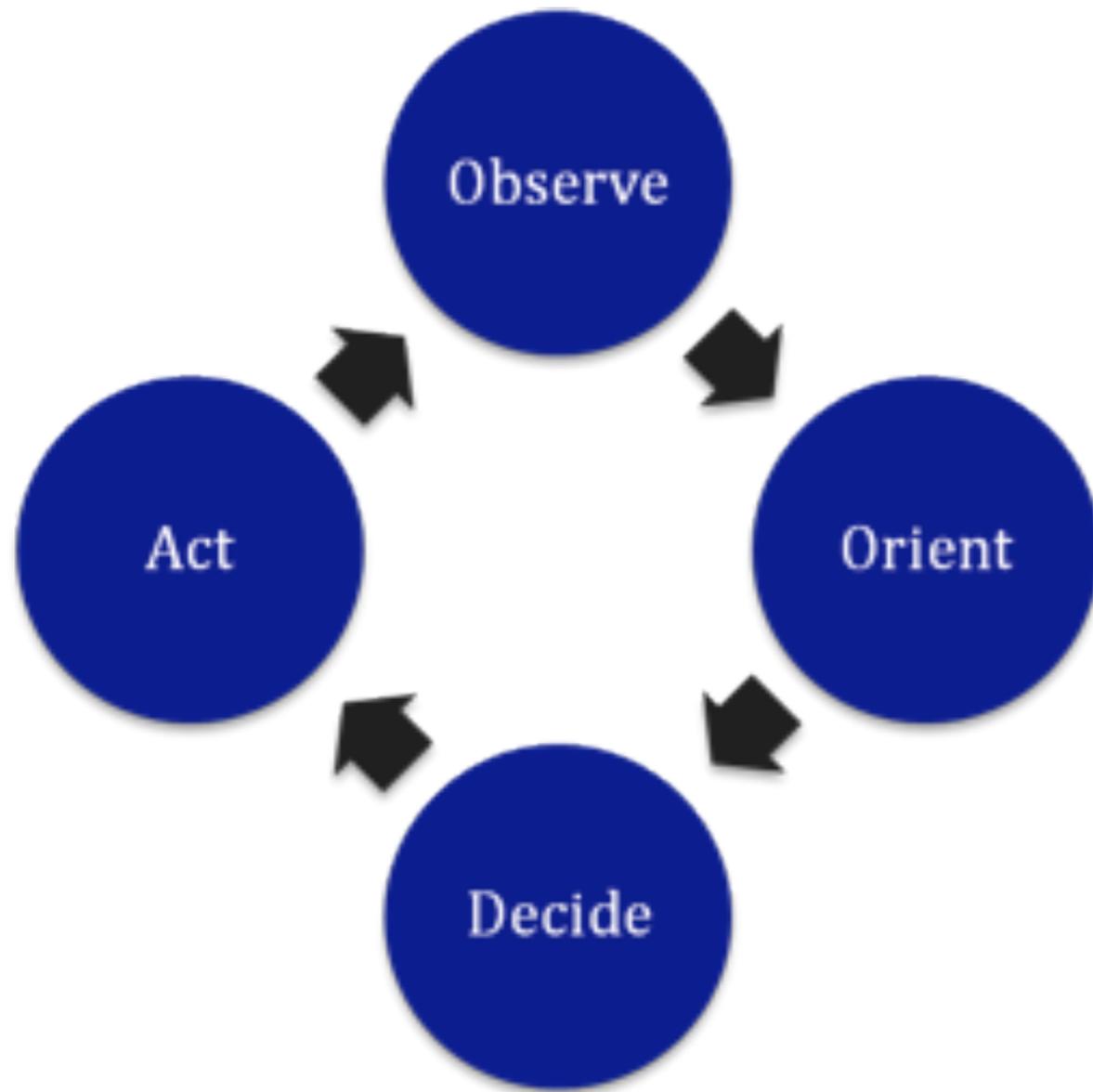
History

Delete

```
1 FROM ubuntu:12.04
2
3 MAINTAINER cpswan
4
5 # make sure everything is up to date - update and upgrade
6 RUN apt-get update && apt-get upgrade -y
7
8 # install haproxy
9 RUN apt-get install -y haproxy
10
11 # move default config out of the way
12 RUN mv /etc/haproxy/haproxy.cfg /etc/haproxy/default_haproxy.cfg
13
14 # upload local haproxy config file
15 ADD ./haproxy.cfg /etc/haproxy/
16
17 # expose port 80
18 EXPOSE 80
19
20 # run haproxy
21 CMD /usr/sbin/haproxy -f /etc/haproxy/haproxy.cfg
22
23 # example usage:
24 # sudo docker run -d -p 80:80 cpswan/haproxy
```

Dockerfile and DevOps

John Boyd's OODA loop



Dockerfile makes mistakes very cheap

branch: master | dockerfiles / haproxy / Dockerfile

cpswan a month ago added example usage

1 contributor

file | 25 lines (16 sloc) | 0.514 kb

```
1 FROM ubuntu:12.04
2
3 MAINTAINER cpswan
4
5 # make sure everything is up to date
6 RUN apt-get update && apt-get upgrade
7
8 # install haproxy
9 RUN apt-get install -y haproxy
10
11 # move default config out of the way
12 RUN mv /etc/haproxy/haproxy.cfg /etc/
13
14 # upload local haproxy config file
15 ADD ./haproxy.cfg /etc/haproxy/
16
17 # expose port 80
18 EXPOSE 80
19
20 # run haproxy
21 CMD /usr/sbin/haproxy -f /etc/haproxy
22
23 # example usage:
24 # sudo docker run -d -p 80:80 cpswan/haproxy
```

chris@docker: ~/dockerfiles/helloworld

```
chris@docker:~/dockerfiles/haproxy$ sudo docker build -t cpswan/haproxy .
Uploading context 4.608 kB
Uploading context
Step 0 : FROM ubuntu:12.04
---> 8dbd9e392a96
Step 1 : MAINTAINER cpswan
---> Using cache
---> a62ca9db2d5f
Step 2 : RUN apt-get update && apt-get upgrade -y
---> Using cache
---> 18769de180e5
Step 3 : RUN apt-get install -y haproxy
---> Using cache
---> 0ab4d6e685ad
Step 4 : RUN mv /etc/haproxy/haproxy.cfg /etc/haproxy/default_haproxy.cfg
---> Using cache
---> 90419c8c8a54
Step 5 : ADD ./haproxy.cfg /etc/haproxy/
---> 25656aca618c
Step 6 : EXPOSE 80
---> Running in d73505cf4c6c
---> ef2568a0200c
Step 7 : CMD /usr/sbin/haproxy -f /etc/haproxy/haproxy.cfg
---> Running in 8549c561f53f
---> c77e7ed0d8a0
Successfully built c77e7ed0d8a0
chris@docker:~/dockerfiles/haproxy$
```

Docker and networking

When the Docker daemon starts

Creates a `docker0` bridge if not present
Other bridges can be manually configured

Searches for an IP address range which doesn't overlap with an existing route
Default is `172.17.0.0/16`

Picks an IP in the selected range and assigns it to the `docker0` bridge
Default is `172.17.42.1`

Containers get a virtual interface that's bonded to the `docker0` bridge
Starting with `172.17.0.2`

Port mapping

Map a random host port to a container port

```
sudo docker run -d -p 1234 \  
cpswan/demoapp
```

Map a specific host port to a container port

```
sudo docker run -d -p 1234:1234 \  
cpswan/demoapp
```

Container linking

Docker takes named links to other containers to populate env variables:

```
# start the database
sudo docker run -d -p 3306:3306 -name todomvc_db \
-v /data/mysql:/var/lib/mysql cpswan/todomvc.mysql

# start the app server
sudo docker run -d -p 4567:4567 -name todomvc_app \
-link todomvc_db:db cpswan/todomvc.sinatra

# start the web server
sudo docker run -d -p 443:443 -name todomvc_ssl \
-link todomvc_app:app cpswan/todomvc.ssl
```

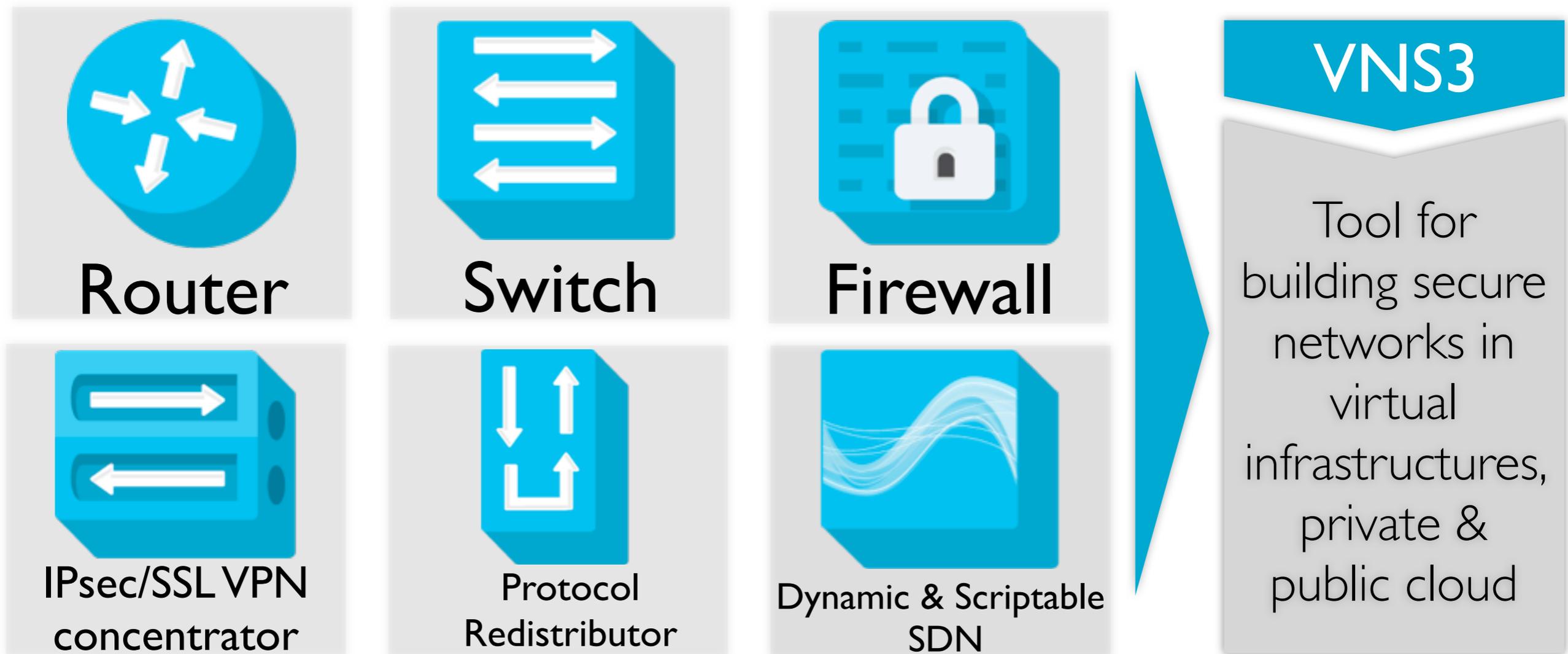
Use the env variable in the app server:

```
dburl = 'mysql://root:pa55Word@' +
ENV['DB_PORT_3306_TCP_ADDR'] + '/todomvc'
DataMapper.setup(:default, dburl)
```

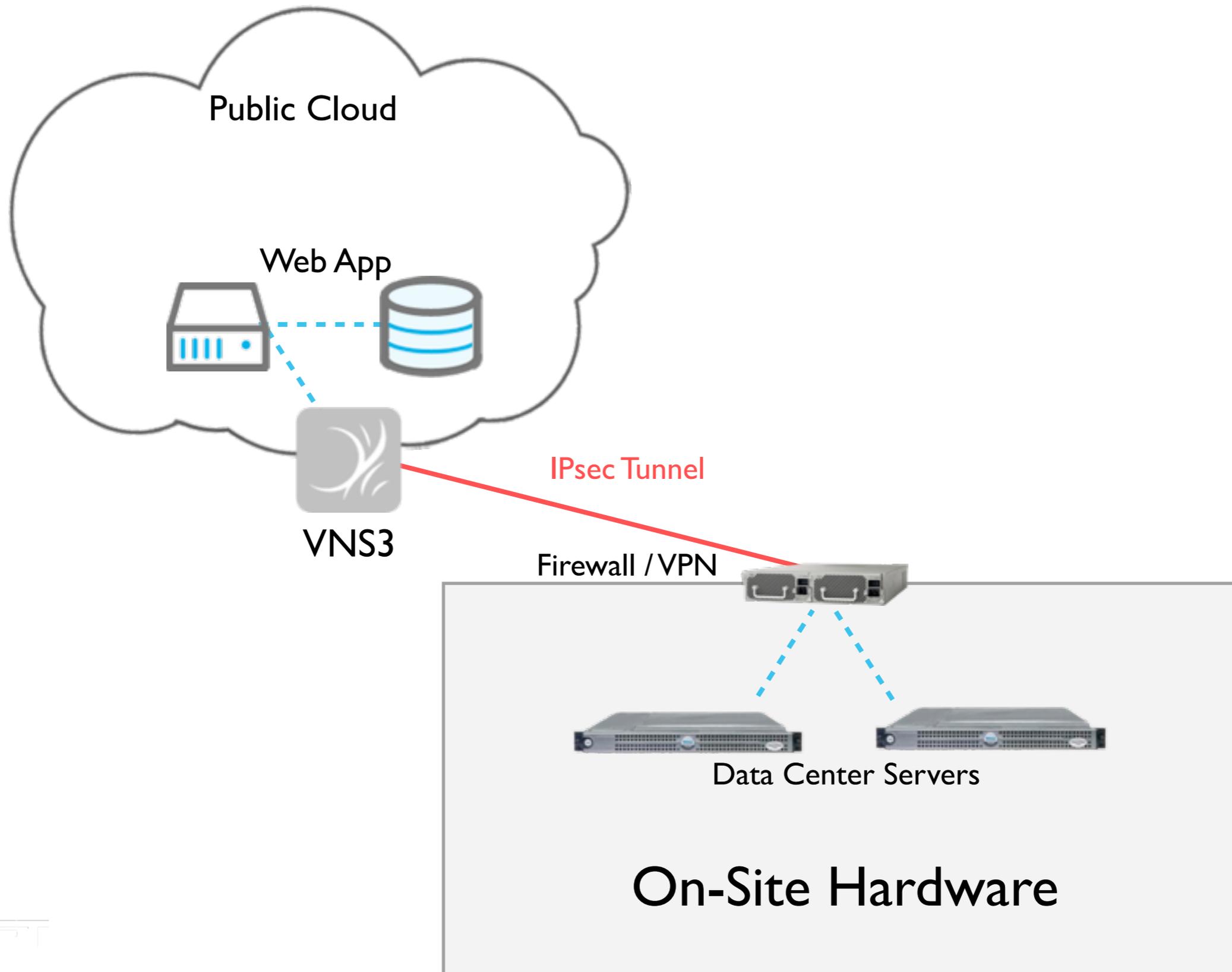
Docker in cloud networks

Before Docker

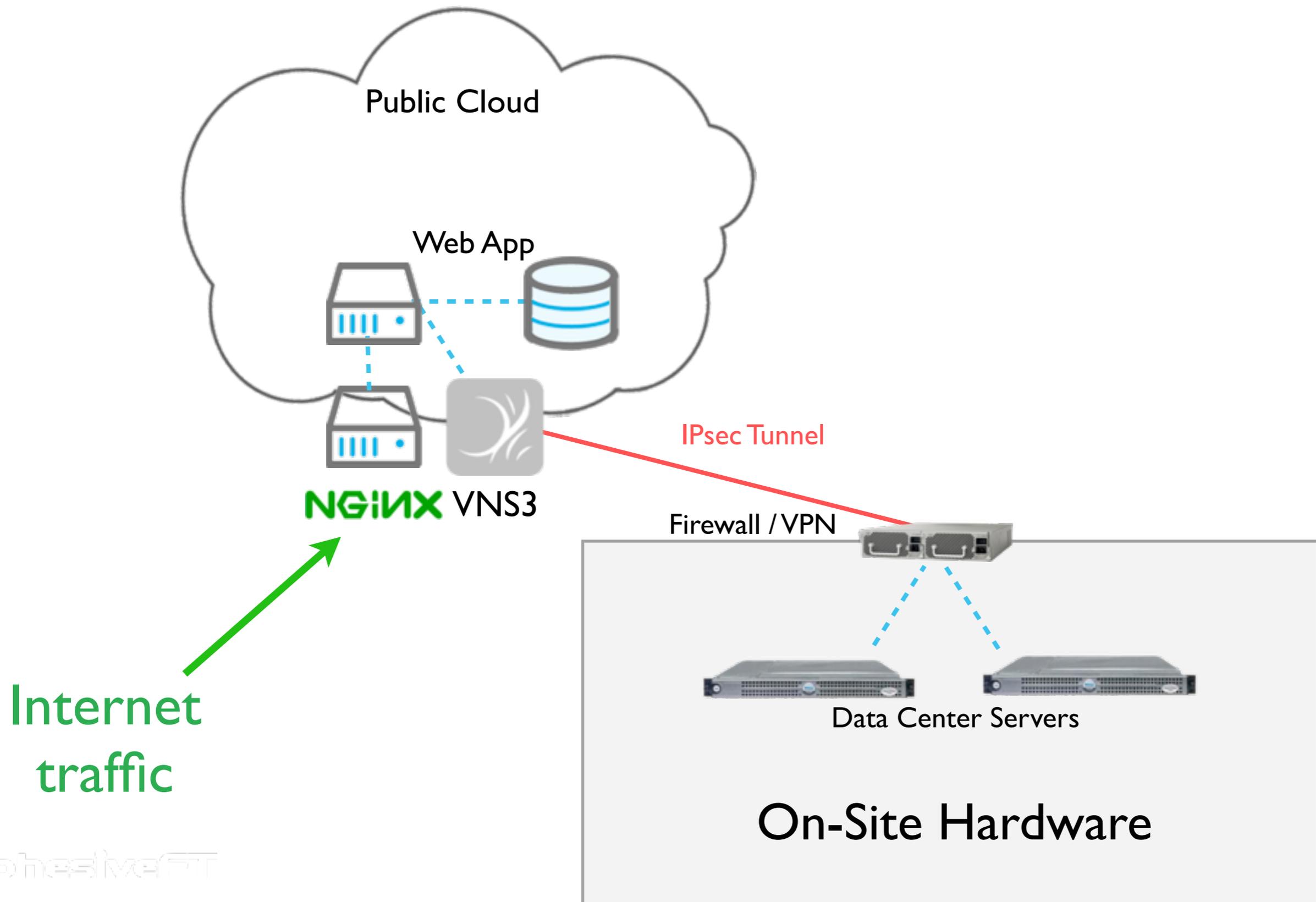
VNS3 is a virtual appliance Swiss Army Knife for networking



A typical customer use case



That annoying extra VM



With Docker

VNS3 3.5 allows customers to embed features and functions provided by other vendors - or developed in house, safely and securely into their Cloud Network.



(Reverse)
Proxy



SSL
Termination



Content
Caching



Load
Balancing



Intrusion
Detection



More....



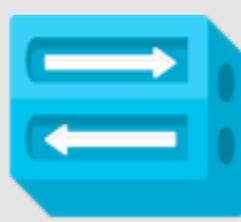
Router



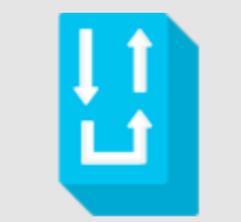
Switch



Firewall



IPsec/SSL VPN
Concentrator



Protocol
Redistributor

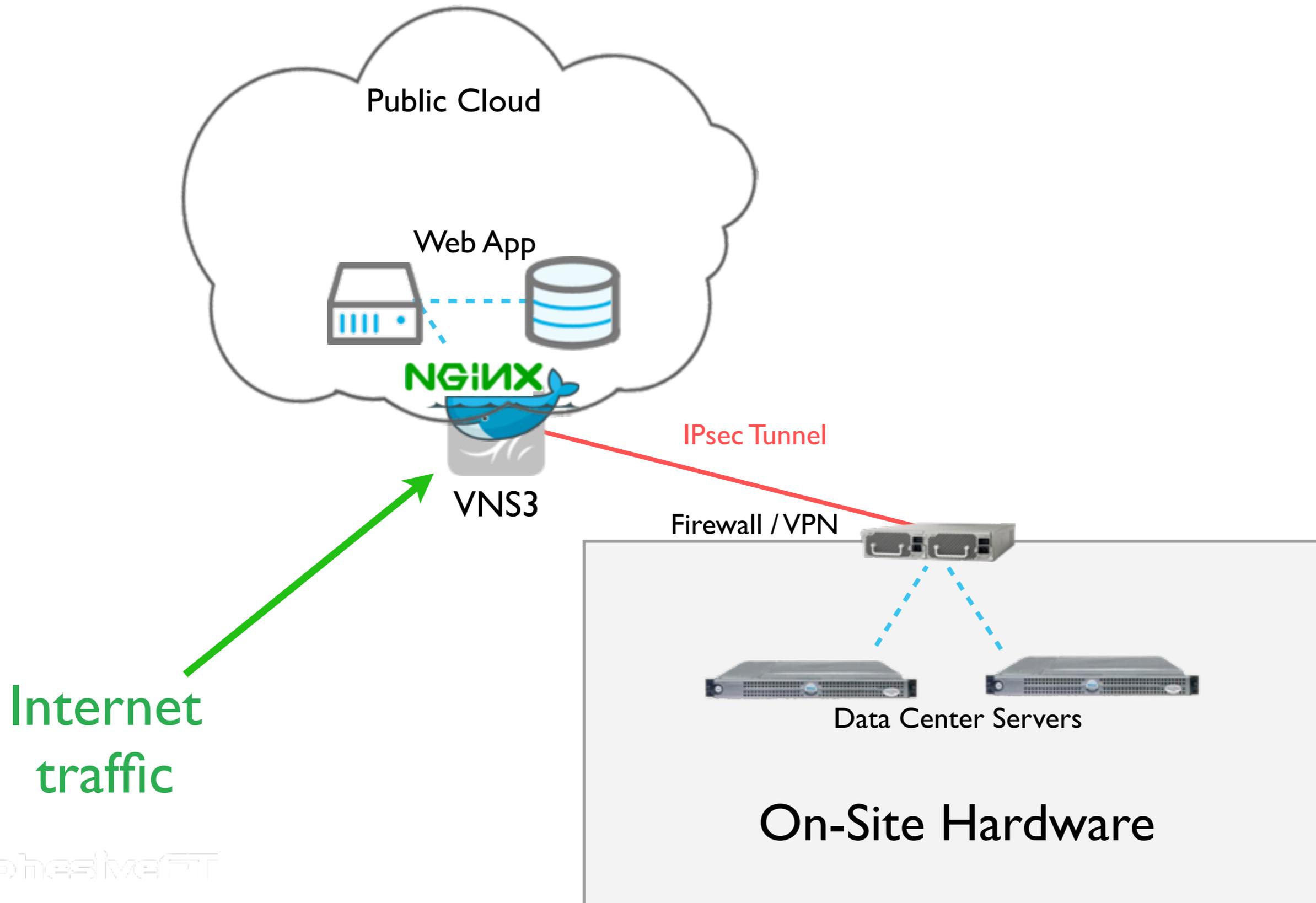


Dynamic &
Scriptable
SDN

VNS3

Customer controlled, & co-created, for best hybrid cloud experience

Getting rid of that annoying extra VM



Seeding the ecosystem

The screenshot shows the Docker Index repository page for `cohesivest/haproxy-ssl-ssh`. The page includes a search bar, navigation links (signup, login, help), and a pull command: `docker pull cohesivest/haproxy-ssl-ssh`. The repository has 1 star and 0 comments. The left sidebar shows the maintainer `cohesivest`, a `Trusted Build` badge, and links for Source Repo, Project Page, and Build Bundle. It also displays 7 downloads, a last updated date of 2014-01-13 18:38:53, and a creation date of 2014-01-13 12:07:51. The main content area shows the Dockerfile used to build the repository, which includes instructions for installing nginx, haproxy, and openssh-server on an Ubuntu 12.04 base image.

```
FROM ubuntu:12.04

MAINTAINER cohesivest

# add universe repository to /etc/apt/sources.list
# we need it for nginx
RUN sed -i s/main/main universe/ /etc/apt/sources.list

# make sure everything is up to date - update and upgrade
RUN apt-get update && apt-get upgrade -y
RUN apt-get install -y nginx haproxy openssh-server supervisor

# Remove the default Nginx configuration file
RUN rm -v /etc/nginx/nginx.conf

# Create empty directory for logs
RUN mkdir -p /etc/nginx/logs

# Create privilege separation directory
RUN mkdir -p /var/run/sshd
```

and on github

PUBLIC  **cohesiveft / dockerfiles** Watch 1

Dockerfiles for trusted builds in Docker.io public index

21 commits 1 branch 0 releases 1 contributor

 branch: master **dockerfiles** / 

Readme file added

 Chris Swan authored 17 days ago latest commit 21ecdad849 

 haproxy-ssl-ssh	More SSH details	24 days ago
 haproxy	default VNS3 IP address range used for app servers	24 days ago
 net-tools	Readme file added	17 days ago
 nginxssl	Nginx config file	24 days ago
 template	base Dockerfile	24 days ago
 README.md	initial README.md	24 days ago

as Dockerfile doesn't stand alone

branch: master **dockerfiles / haproxy-ssl-ssh** [+](#) [History](#)

More SSH details

Chris Swan authored 24 days ago latest commit f37087426f [📄](#)

..

Dockerfile	Dockerfile for haproxy nginx and sshd	24 days ago
README.md	More SSH details	24 days ago
authorized_keys	Authorized keys for sshd	24 days ago
haproxy.cfg	haproxy config file	24 days ago
nginx.conf	nginx config file	24 days ago
ssl.crt	SSL key and certificate	24 days ago
ssl.key	SSL key and certificate	24 days ago
supervisord.conf	supervisord config file	24 days ago

Some trip hazards

Inconsistent package repos

```
chris@docker:~$ sudo docker run -i -t ubuntu:12.04 /bin/bash
root@64c16b26fe13:/# cat /etc/apt/sources.list
deb http://archive.ubuntu.com/ubuntu precise main
root@64c16b26fe13:/# █
```

```
chris@docker:~$ sudo docker run -i -t ubuntu:12.10 /bin/bash
root@1376937d2b0e:/# cat /etc/apt/sources.list
deb http://archive.ubuntu.com/ubuntu quantal main universe multiverse
root@1376937d2b0e:/# █
```

Beware apt-get upgrade

Not a problem in the official Docker.io images

But... if you're using images from somewhere else then it's not good when they try to build an initramfs

Non deterministic actions

```
apt-get install whatever -y
```

You want this to be cached in the short term

You might not want it to be cached long term
(I'm not going to wade into the security tar pit right now)

Local vs Global image namespace

```
sudo docker build -t cpswan/haproxy .  
sudo docker run -d cpswan/haproxy
```

!=

```
sudo docker run -d cpswan/haproxy
```

Nothing there to make you pull before you push

Global namespace is managed, local namespace isn't

Intermediate/private repositories for extra fun :-0

This can happen 'docker ps':

```
chris@docker:~$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED              STATUS              PORTS              NAMES
da4360eb5160      ubuntu:12.04       /bin/bash          Up 6 days           Up 6 days          stoic_c
urie
3ac56072def9      cohesiveft/varnish-ssh:latest /bin/sh -c /usr/bin/ 1 days ago         Up 11 days         22/tcp, 80/tcp     distract
ted_wright2
a5a6cc98701c      ubuntu:12.04       /bin/bash          Up 11 days          Up 11 days          kickass
_pike
f0fb7378b356      cpswan/haproxy:latest /bin/sh -c /usr/sbin 1 days ago         Up 11 days         0.0.0.0:1234->1234/tcp, 80/tcp tender_
bardeen
f103b527b5a8      cpswan/haproxy:latest /bin/sh -c /usr/sbin 1 days ago         Up 11 days         0.0.0.0:49154->1234/tcp, 80/tcp elegant
_hawking
9f223c5c4ad6      ubuntu:12.04       /bin/bash          Up 11 days          Up 11 days          thirsty
_turing
e89fc8b5c980      ubuntu:12.04       /bin/bash          Up 11 days          Up 11 days          sleepy_
wright
ec32ec9a3ff4      cohesiveft/vns3client-ssh:latest /bin/sh -c /usr/bin/ 4 weeks ago        Ghost              0.0.0.0:2222->22/tcp tender_
wozniak
53274356a750      cohesiveft/haproxy-ssl-ssh:latest /bin/sh -c /usr/bin/ 4 weeks ago        Ghost              22/tcp, 443/tcp, 80/tcp evil_pt
olemy
acff30a8b284      cpswan/todomvc_sinatra:latest /bin/sh -c /usr/bin/ 5 weeks ago        Ghost              0.0.0.0:4567->4567/tcp todomvc
_app,todomvc_ssl/app
2dc1649cf602      cpswan/todomvc_mysql:latest /bin/sh -c /bin/bash 5 weeks ago        Ghost              0.0.0.0:3306->3306/tcp todomvc
_app/db,todomvc_db,todomvc_ssl/app/db
9241db281ca4      cpswan/node-red-0.5.0t:latest /usr/bin/node /opt/n 5 weeks ago        Ghost              0.0.0.0:1880->1880/tcp berserk
_mccarthy
chris@docker:~$
```

and also this 'docker ps --all':

```
chris@docker: ~
27112283254c 61694f758f0c /bin/sh -c apt-get u 5 weeks ago Exit 0 romantic_morse
b1e54bd7bb17 a75a8ede2566 /bin/sh -c add-apt-r 5 weeks ago Exit 0 drunk_wright
04954eaf7300 370e8a314eb0 /bin/sh -c apt-get i 5 weeks ago Exit 0 desperate_hawkings
c901274477ec a240a8539d47 /bin/sh -c apt-get u 5 weeks ago Exit 0 condescending_pike
ff3b1ed833ab fc23c38e9423 /bin/sh -c sed -i s/ 5 weeks ago Exit 0 elegant_heisenberg
735c0c4638be ubuntu:12.04 /bin/sh -c #(nop) MA 5 weeks ago Exit 0 stoic_worse
045ab0c93001 ae93ea04e770 /bin/sh -c rm 0.5.0. 5 weeks ago Exit 0 condescending_turing
6324a2241e7e 39c7f1a12ff0 /bin/sh -c cd /opt/n 5 weeks ago Exit 0 grave_heisenberg
c9d95a87c68f bc3220651694 /bin/sh -c unzip 0.5 5 weeks ago Exit 0 hopeful_wozniak
a8594ef48a02 3023599d1e12 /bin/sh -c wget http 5 weeks ago Exit 0 agitated_shockley
3b2b948ff4de ab7d00a77a8e /bin/sh -c apt-get i 5 weeks ago Exit 0 silly_torvalds
97c5f4c6324b 8b93da91040c /bin/sh -c apt-get u 5 weeks ago Exit 0 happy_turing7
949ec2eb054c 8b93da91040c /bin/sh -c apt-get i 5 weeks ago Exit 100 boring_curie
42d88ff7801 07465087047e /bin/sh -c sed -i s/ 5 weeks ago Exit 0 insane_alhattani
1530f7aa6c2 8f2a76184f18 /bin/sh -c apt-get i 5 weeks ago Exit 100 furious_wright
78c34469d3ba 957af1305b2d /bin/sh -c sed -i s/ 5 weeks ago Exit 0 suspicious_pasteur
1802da3fe6ae 957af1305b2d /bin/sh -c sed -i /m 5 weeks ago Exit 1 dreamy_ritchie
0429e7e3r4b1 957af1305b2d /bin/sh -c apt-get i 5 weeks ago Exit 100 prickly_boaz
2e1a14c18c84 c7465087047e /bin/sh -c apt-get u 5 weeks ago Exit 0 distracted_torvalds
924651a2e5fa 7404b34658a2 /bin/sh -c add-apt-r 5 weeks ago Exit 0 sharp_engelbart
493287934ab6 ubuntu:12.10 /bin/bash 5 weeks ago Exit 0 distracted_darwin
5a4cd3f51f00 4ec4246a2487 /bin/sh -c apt-get i 5 weeks ago Exit 0 mad_brown
787c0b372c8e 97db4bfb049b /bin/sh -c apt-get u 5 weeks ago Exit 0 happy_bardson
e67121e074d8 ubuntu:12.04 /bin/sh -c apt-get u 5 weeks ago Exit 0 berserk_shockley
81b1148f1f09 ubuntu:12.04 /bin/bash 5 weeks ago Exit 100 insane_darwin
61fa3b22e6eb f170c00efff0 /bin/sh -c apt-get u 5 weeks ago Exit 100 trusting_turing
a0c63e224db6 stackbrew/ubuntu:12.04 /bin/sh -c #(nop) MA 5 weeks ago Exit 0 dreamy_morse
f0d62346ab48 stackbrew/ubuntu:12.10 /bin/bash 5 weeks ago Exit 0 sleepy_wozniak
70c5e36d147b stackbrew/ubuntu:12.04 /bin/bash 5 weeks ago Exit 0 trusting_engelbart
70a15e3246ba stackbrew/ubuntu:12.10 /bin/bash 5 weeks ago Exit 0 cocky_hawkings
34e0e904fb03 stackbrew/ubuntu:12.04 /bin/bash 5 weeks ago Exit 0 suspicious_boaz
0a0eb27226e9 ubuntu:12.10 /bin/bash 5 weeks ago Exit 100 compassionate_wozniak
25640a0630c5 ubuntu:12.04 /bin/bash 5 weeks ago Exit 0 berserk_bell
a14874c044b2 ubuntu:12.04 /bin/bash 5 weeks ago Exit 0 insane_wright
663f4928983b ubuntu:12.04 /bin/bash 5 weeks ago Exit 0 insane_einstein
7084c0ba3e81 cpvsn/node-red-0.5.0:latest /bin/bash 4 weeks ago Exit 1 trusting_shockley
6220e8220d9e 23466f0c74f1 /bin/sh -c rm 0.5.0. 4 weeks ago Exit 0 thirsty_boaz
1d426379d82e 23466f0c74f1 /usr/bin/node /opt/n 4 weeks ago Exit 143 distracted_tesla
6a17e9409a00 148149c21836 /bin/sh -c cd /opt/n 4 weeks ago Exit 0 jolly_morse
9e731091c305 41d72eb3370a /bin/sh -c unzip 0.5 4 weeks ago Exit 0 mad_nobel
60697d97527d 8a32408d47b6 /bin/sh -c wget http 4 weeks ago Exit 0 determined_morse
8981e90840b0 8a32408d47b6 /bin/sh -c cd /opt 4 weeks ago Exit 0 sleepy_euclide
81780b40da44 5b342f26eeaa /bin/sh -c apt-get i 4 weeks ago Exit 0 elegant_morse
bc6ce3ee5b1a c97cd15445d4 /bin/sh -c apt-get u 4 weeks ago Exit 0 distracted_bardson
4fbd0c03dfbf e93bc72874ef /bin/sh -c add-apt-r 4 weeks ago Exit 0 nostalgic_galileo
639084101849 8c3ee84d4759 /bin/sh -c apt-get i 4 weeks ago Exit 0 kickass_nobel
610aae02878e 1d4f01a79e4a /bin/sh -c apt-get u 4 weeks ago Exit 0 distracted_boaz
882055ebab13 ubuntu:12.10 /bin/sh -c apt-get u 4 weeks ago Exit 0 backstabbing_thompson
93c355684f86 ubuntu:12.10 /bin/bash 4 weeks ago Exit 0 suspicious_ritchie
a4288904aea9 ubuntu:12.10 /bin/bash 4 weeks ago Exit 0 pensive_turing
b5e414ca64d9 ubuntu:12.10 /bin/bash 4 weeks ago Exit 1 jovial_mccarthy
3f0994437043 cpvsn/nodered:latest /usr/bin/node /opt/n 4 weeks ago Exit 143 romantic_franklin
13ff6331dab0 cpvsn/nodered:latest /usr/bin/node /opt/n 4 weeks ago Exit 143 naughty_breastain
44b5a3253a01 cpvsn/nodered:latest /bin/bash 4 weeks ago Exit 100 angry_tesla
77f3b085bdf6 cpvsn/nodered:latest /usr/bin/forever sta 4 weeks ago Exit 0 focused_torvalds
e107a0a12648 cpvsn/nodered:latest /bin/bash 4 weeks ago Exit 100 nostalgic_ptolemy
869f2174f130 cpvsn/nodered:latest /usr/bin/forever sta 4 weeks ago Exit 0 goofy_pike
a69950da2ba cpvsn/nodered:latest /bin/bash 4 weeks ago Exit 0 evil_bell
86e94902301c cpvsn/nodered:latest /opt/node-red-0.5.0/ 4 weeks ago Exit 0 insane_lovelace
72869497741a cpvsn/ssh:latest /bin/bash 4 weeks ago Exit 0 loving_davinci
684ff12aa1f8 cpvsn/nodered:latest /bin/bash 4 weeks ago Exit 0 silly_davinci
31e0ee927215 cpvsn/nodered:latest /bin/bash 4 weeks ago Exit 0 condescending_pare
f9dd39890359 cpvsn/nodered:latest /bin/bash -D 4 weeks ago Exit 0 hopeful_galileo
26773e80012 cpvsn/ssh:latest /bin/bash 4 weeks ago Exit 0 stoic_pike
61d0c6cb2677 cpvsn/nodered:latest -D 4 weeks ago Exit 100 nostalgic_alhattani
29905d3f468c cpvsn/nodered:latest /bin/bash 4 weeks ago Exit 0 backstabbing_bell
0c0a9438427e cpvsn/nodered:latest /bin/bash -D 4 weeks ago Exit 0 stupefied_morse
94857b0cc0f4 cpvsn/nodered:latest -D 4 weeks ago Exit 127 sick_torvalds
8b0d849b8de4 ubuntu:12.10 /bin/bash 4 weeks ago Exit 100 determined_nobel
1fd3a4e37c97 ubuntu:12.04 /bin/bash 4 weeks ago Exit 100 prickly_badbege
4c34647a93b9 ubuntu:12.10 /bin/bash 4 weeks ago Exit 0 stoic_darwin
4e0655a64a1a s00by_snacks:latest /bin/bas 4 weeks ago Exit 127 evil_turing
70ea18221e13 s00by_snacks:latest /bin/bas 4 weeks ago Exit 127 naughty_davinci
ff73645a5204 ubuntu:12.04 /bin/sh -c touch aoo 4 weeks ago Exit 0 clever_nobel
8b548900142a ubuntu:12.04 /bin/bash 4 weeks ago Exit 100 prickly_wright
919496cbdf03 cpvsn/ssh:latest /usr/sbin/ssh -D 3 weeks ago Exit 0 hungry_schmiede
7d714b77469e 6e76e678772e /bin/bash 3 weeks ago Exit 0 romantic_euclide
9540e46f83f1 2ea2414f1a7 /usr/sbin/ssh -D 3 weeks ago Exit 255 dreamy_euclide
349a2e31dc9b 2ea2414f1a7 /usr/sbin/ssh -D 3 weeks ago Exit 255 sed_wright
a3349dc7e56 ubuntu:12.04 /bin/bash 3 weeks ago Exit 0 clever_curie
422b0d130d42 ubuntu:12.04 /bin/sh -c while tru 3 weeks ago Exit 100 stupefied_turing
8794829071e0 ubuntu:12.04 /bin/sh -c while tru 3 weeks ago Exit 0 sleepy_curie
63fc21609570 ubuntu:12.04 /bin/echo hello worl 3 weeks ago Exit 0 cranky_curie
e1dd8cd0d30c ubuntu:12.04 /bin/bash 3 weeks ago Exit 0 angry_lovelace
chris@docker:~$
```

My Docker wish list

If only it would...

Docker CLI

Disk quotas

Route propagation

At least one of those wishes might be granted...

 **Solomon Hykes** @solomonstre · 18h
In case you missed it: the @docker cli now supports regular -- flags.
Still 100% reverse-compatie thanks to @vieux

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 **Chris Swan** @cpswan · 8h
@solomonstre it would be super cool if the @docker command line
tool could be used interactively (command line interpreter >
interface)

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 **Solomon Hykes** @solomonstre ⚙️ **Following**

@cpswan @docker yes, I agree.
Stay tuned! :)

Reply Retweet Favorite More

5:14 PM - 14 Feb 2014

Summary

Summary

Docker provides a 'shipping container' for apps

Dockerfile tightens the DevOps OODA loop

Docker has given us a way to move from closed platform to open platform (and be part of an ecosystem)

It's not perfect yet, but it's not finished yet (and software rarely is anyway)

Questions?

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