



– not just for developers

Wordcamp Vienna 2019

Introduction

Hi, I am Silvio



Information designer and developer @
visuelles in Vienna

Open Source and Open Data enthusiast

Cat lover and dog walker

Hands up, who ...

... heard of Docker before.

... used Docker already.

... used Docker for a Wordpress installation.

... used the wordpress image from Docker Hub.

Service announcement

“On Thursday, April 25th, 2019, we discovered unauthorized access to a single Hub database storing a subset of non-financial user data. Upon discovery, we acted quickly to intervene and secure the site.

During a brief period of unauthorized access to a Docker Hub database, sensitive data from approximately 190,000 accounts may have been exposed (less than 5% of Hub users). Data includes usernames and hashed passwords for a small percentage of these users, as well as Github and Bitbucket tokens for Docker autobuilds.”

Kent Lamb Director of Docker Support info@docker.com
April 26th, 2019

Service announcement

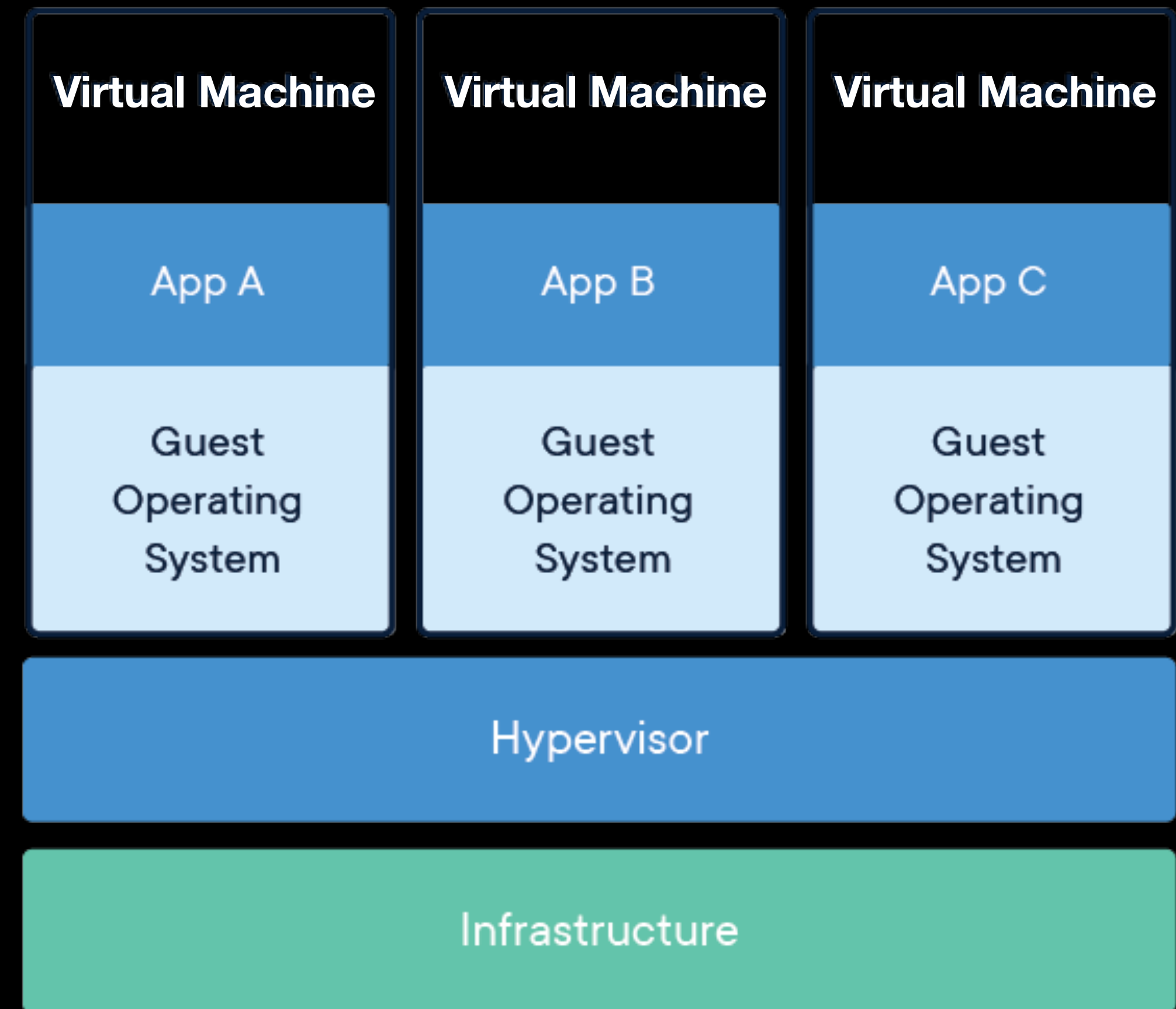
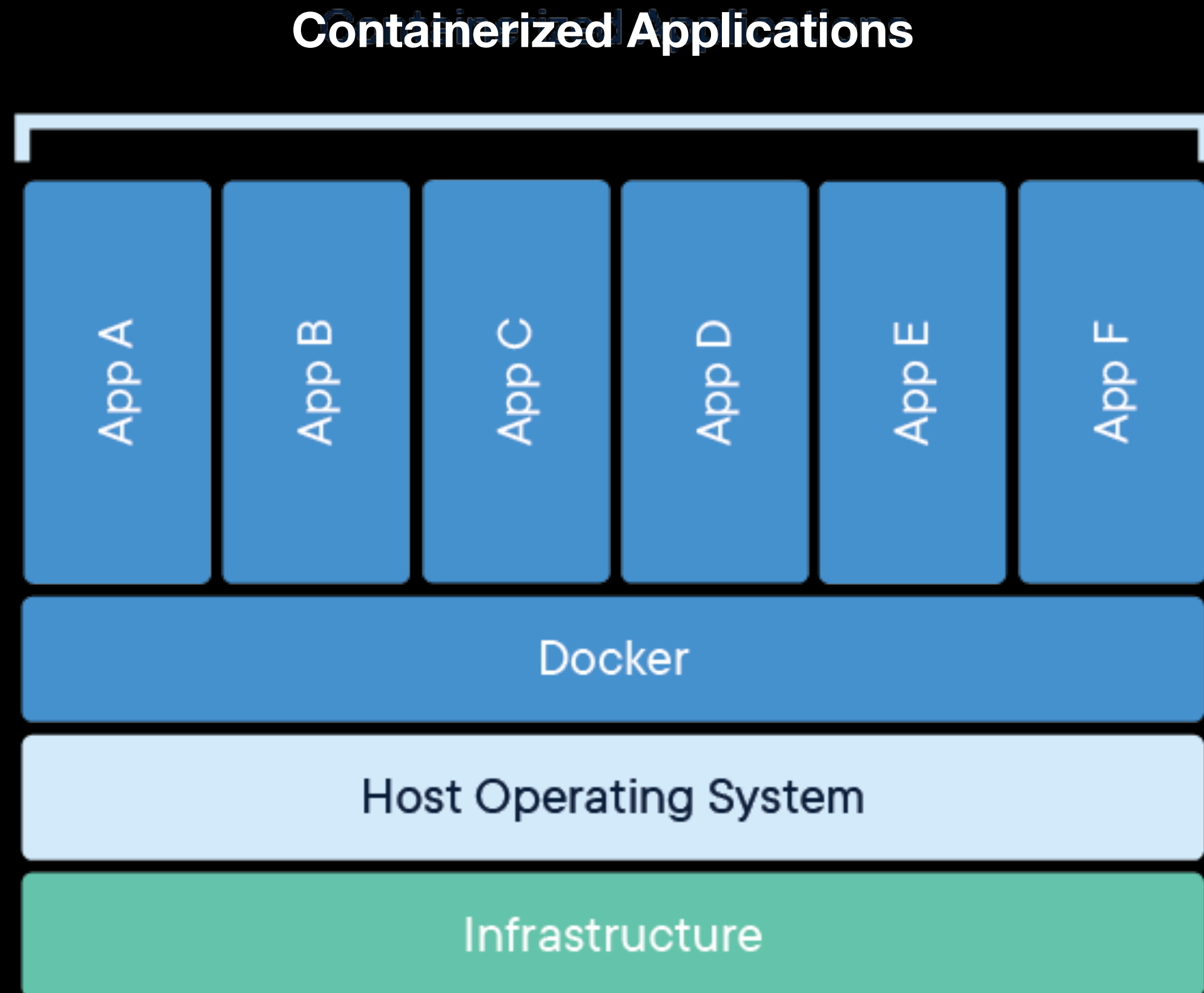
- change your password on Docker Hub
- autobuilds: reconnect to your repositories and check security logs

Schedule for today

1. What is Docker?
2. Docker for Wordpress
3. Best practise for development
4. Best practise for testing
5. Best practise for production

1 What is Docker?

Container vs. Virtual Machine



Source: [docker.com](https://www.docker.com)

Docker by the numbers

80B

Container downloads

200+

Meetups Around the Globe

100K+

Third-party projects using Docker

2M

Dockerized Applications in Hub

All platforms supported



Docker Desktop for Windows

By Docker • Updated 2 months ago

The fastest and easiest way to get started with Docker on Windows

Edition Windows x86-64



Docker Desktop for Mac

By Docker • Updated 2 months ago

The fastest and easiest way to get started with Docker on Mac

Edition macOS x86-64



Docker Engine - Ubuntu (Community)

By Docker • Updated 2 months ago

The best way to run Docker on Ubuntu

Edition Linux x86-64 IBM Z



Docker Engine - Debian (Community)

By Docker • Updated 2 months ago

The best way to run Docker on Debian

Edition Linux x86-64



Docker Engine - Fedora (Community)

By Docker • Updated 2 months ago

The best way to run Docker on Fedora

Edition Linux x86-64



Docker Engine - CentOS(Community)

By Docker • Updated 2 months ago

The best way to run Docker on CentOS

Edition Linux x86-64



Docker Engine - Azure (Community)

By Docker • Updated 2 months ago

A one click template to quickly deploy Docker on Azure

Edition Linux x86-64



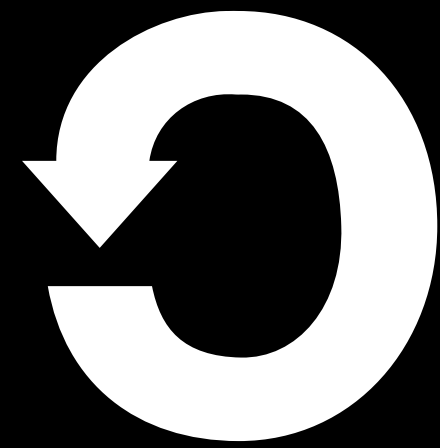
Docker Engine - AWS (Community)

By Docker • Updated 2 months ago

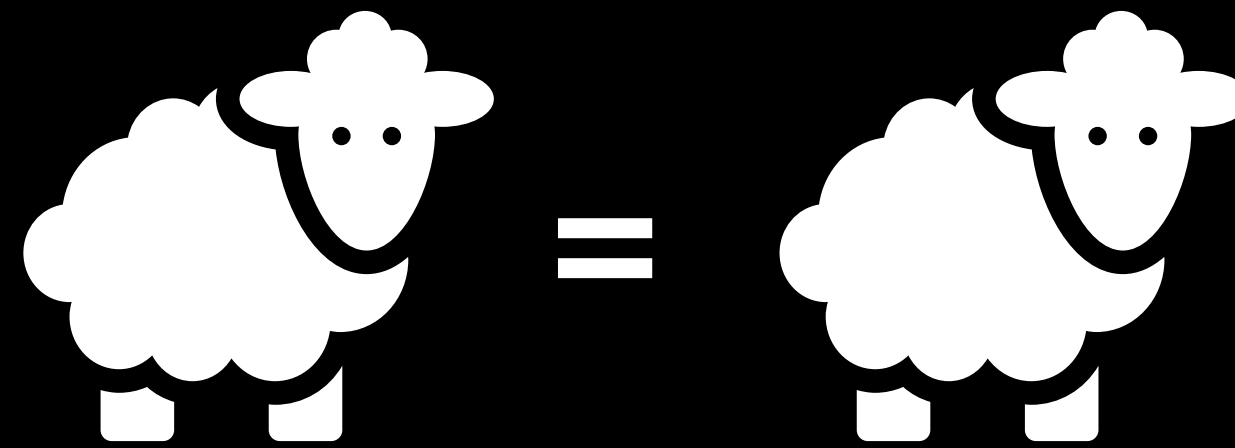
A one click template to quickly deploy Docker on Amazon EC2

Edition Linux x86-64

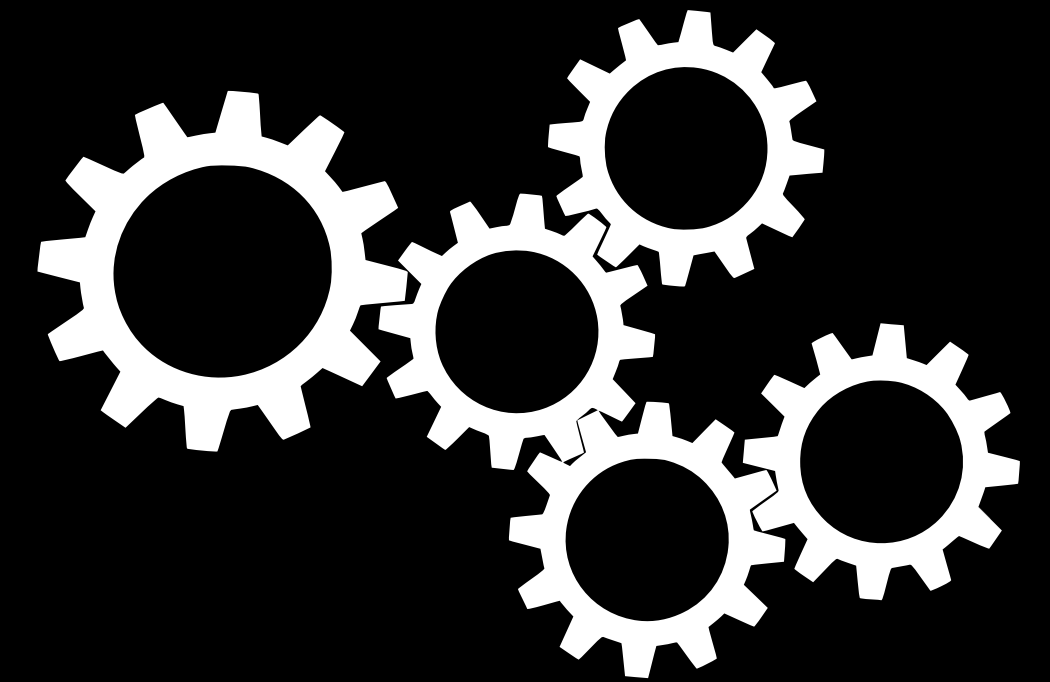
Why I am using Docker



Consistency



Reproducibility



Automatisation

First steps

```
docker version
```

```
docker run hello-world
```

```
docker ps
```

Docker Compose



Source: docker.com

Docker Compose


```
docker-compose up  
docker-compose up -d
```

```
docker-compose down
```


```
docker-compose pull
```

2 Docker for wordpress

hub.docker.com



wordpress
Updated 16 minutes ago

OFFICIAL IMAGE 

10M+
Downloads

2.9K
Stars

The WordPress rich content management system can utilize plugins, widgets, and themes.

Container

Linux

x86-64

IBM Z

ARM

PowerPC 64 LE

386

ARM 64

Application Services

Image variants

wordpress:<version>

wordpress:latest

wordpress:5

wordpress:5.1

wordpress:5.1.1

wordpress:<version>-<php version>

wordpress:5.1-php7


wordpress:5.1-php7.1

wordpress:5.1-php7.3

wordpress:cli

3 Best practise for development

Choose your images



wordpress

Updated 16 minutes ago


The WordPress rich content management system can utilize plugins, widgets, and themes.

ContainerLinuxx86-64IBM ZARMPowerPC 64 LE386ARM 64Application Services

OFFICIAL IMAGE

10M+2.9K

DownloadsStars



mariadb

Updated an hour ago


MariaDB is a community-developed fork of MySQL intended to remain free under the GNU GPL.

ContainerLinuxPowerPC 64 LE386ARM 64x86-64Databases

OFFICIAL IMAGE

10M+2.7K

DownloadsStars



phpmyadmin/phpmyadmin

By [phpmyadmin](#) • Updated 2 months ago

A web interface for MySQL and MariaDB.


ContainerLinuxx86-64

10M+759

DownloadsStars

4 Best practise for testing

Choose your images



wordpress

Updated 16 minutes ago

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5 Best practise for production

Choose your images



wordpress

Updated 16 minutes ago

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Container

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386

ARM 64

x86-64

Databases

OFFICIAL IMAGE



10M+

2.7K

Downloads

Stars

all examples on
[**github.com/silvioheinze/wordcamp-vienna-2019**](https://github.com/silvioheinze/wordcamp-vienna-2019)

