



Containers Patterns for Rails

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Overview

- Pets vs Cattle
- Containers vs Virtual Machines
- Running Rails on Containers
 - Docker compose
 - Kubernetes

Pets vs Cattle

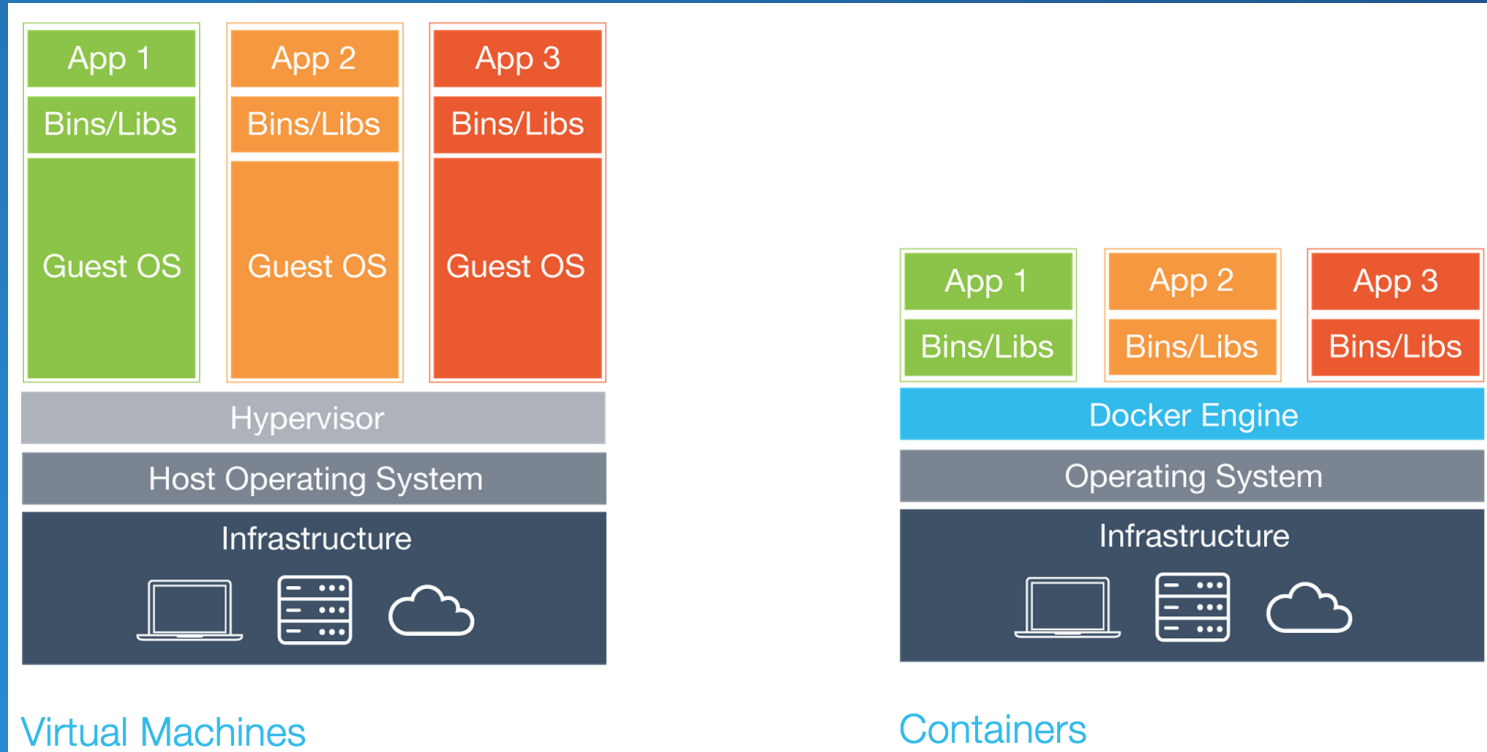


- Pets are given names
- They are unique, lovingly hand raised
- When they get ill, you nurse them back to health



- Cattle are given numbers
- They are almost identical to other cattle
- When they get ill, you get another one

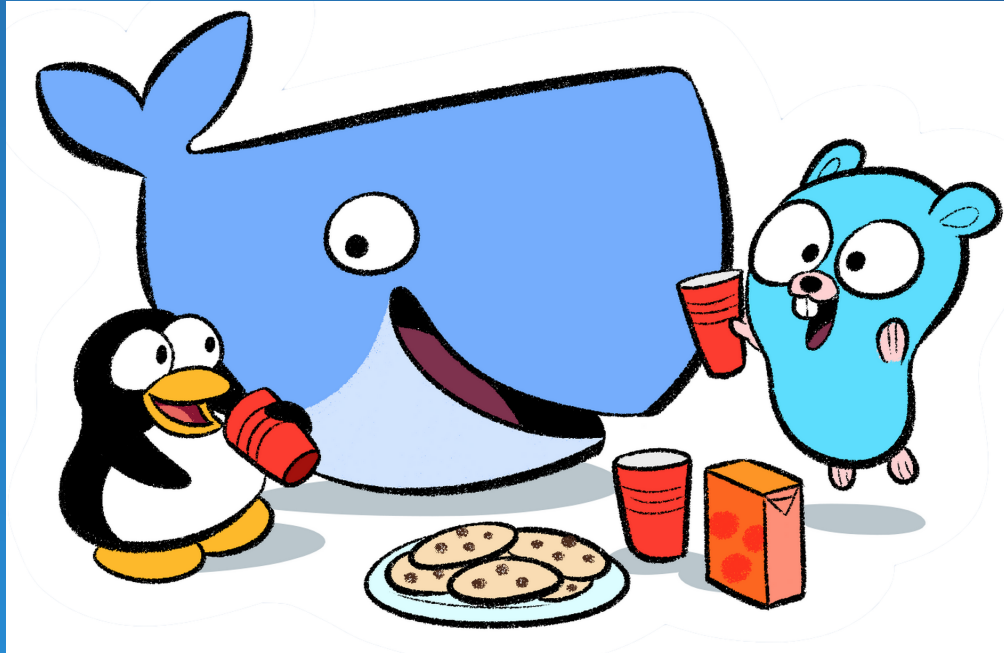
Containers vs Virtual Machines



Virtual Machines

Containers

Docker: A happy family!

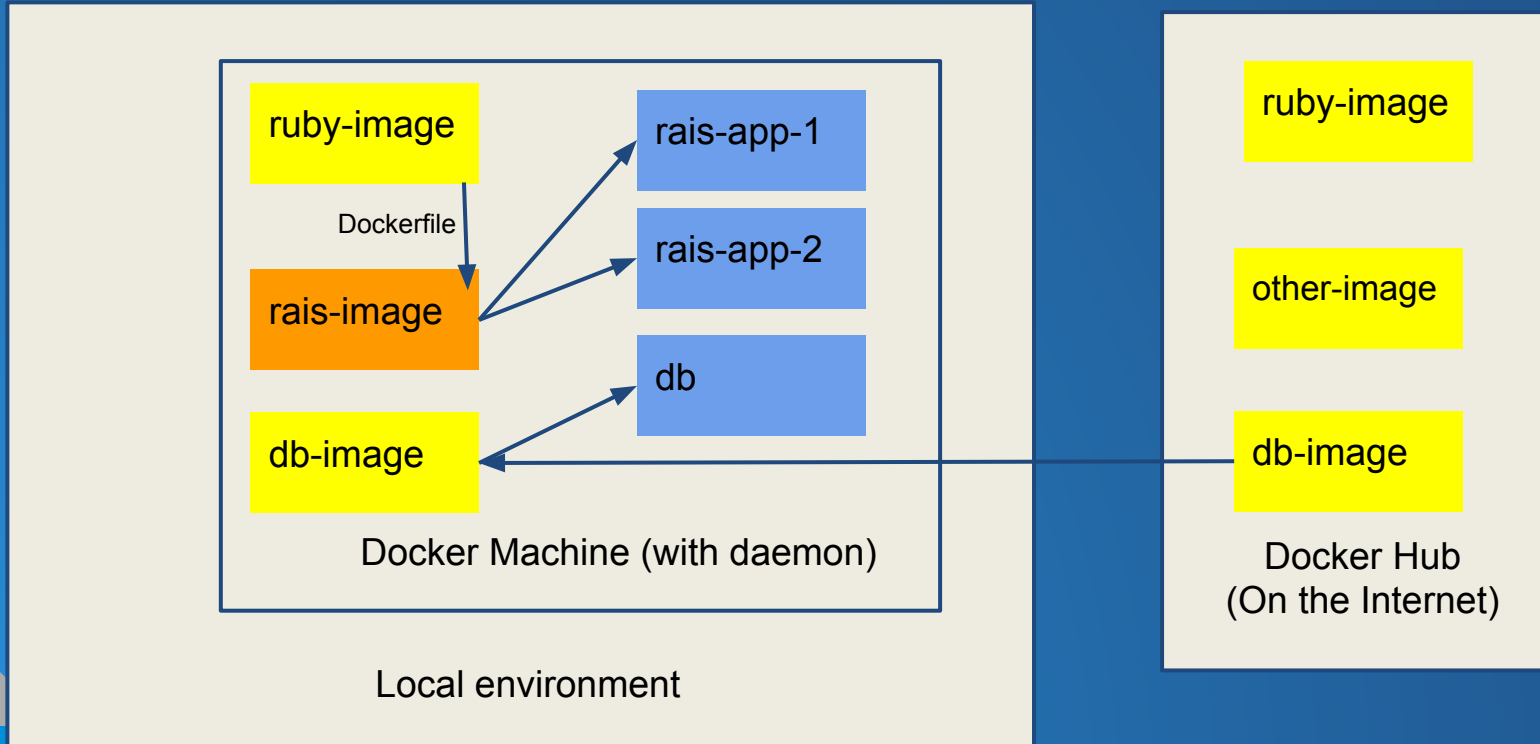


Docker
Go Language
Linux

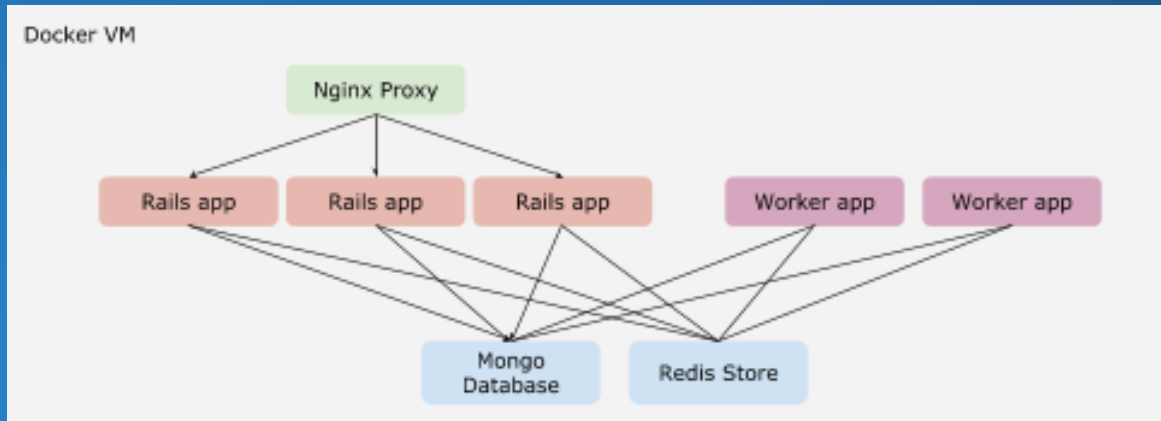
Docker Engine
Docker Machine
Docker Compose

Docker Hub

Mac OS Setup for Docker



Rails with Docker Compose



Rails with Docker Compose

File: docker-compose.yml (1/2)

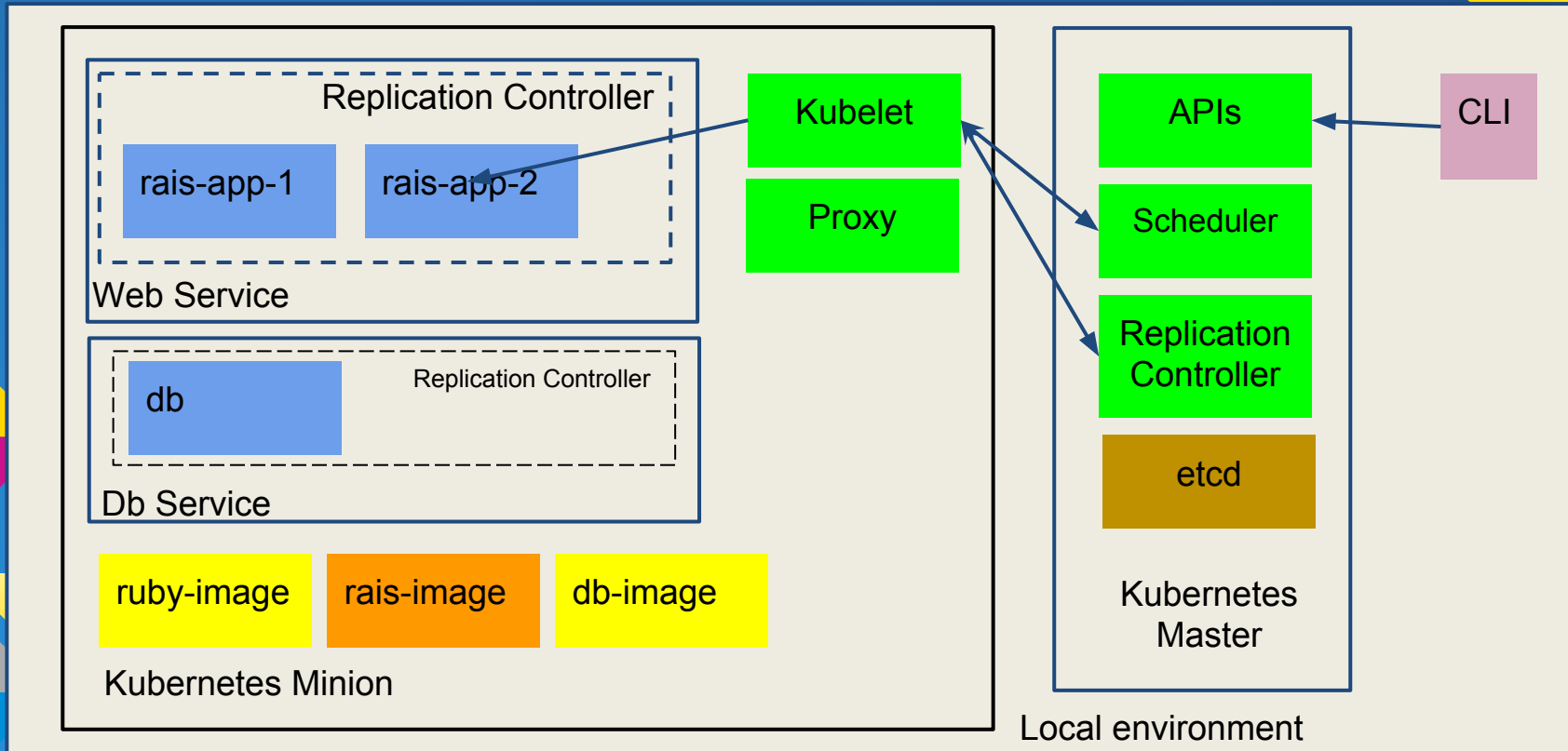
```
webapp:
  build: .
  command: bundle exec unicorn -E production -c config/unicorn.rb
  volumes:
    - ./myapp
  links:
    - db
    - redis
  env_file: .env
  environment:
    RACK_ENV: production
    RAILS_ENV: production
    VIRTUAL_HOST: rails-template.docker
db:
  image: mongo:3.0
  command: mongod --smallfiles --quiet
```


Rails with Docker Compose

File: docker-compose.yml(2/2)

```
proxy:
  image: jwilder/nginx-proxy:latest
  ports:
    - "80:80"
  volumes:
    - "/var/run/docker.sock:/tmp/docker.sock"
redis:
  image: redis
worker:
  build: .
  command: bundle exec sidekiq -e production -c 5
  env_file: .env
  environment:
    RAILS_ENV: production
  links:
    - db
    - redis
```

Rails with Kubernetes



More information:

Code examples at:

<http://github.com/codescrum/>

Blog post on docker compose:

<http://blog.codescrum.com/>

Get in touch with [Jairo Diaz](#) [@codescrum](#)