

### Nuvens híbridas e soluções Red Hat

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https://scholar.google.com.br/citations?user=\_xNpHiwAAAAJ

## Agenda

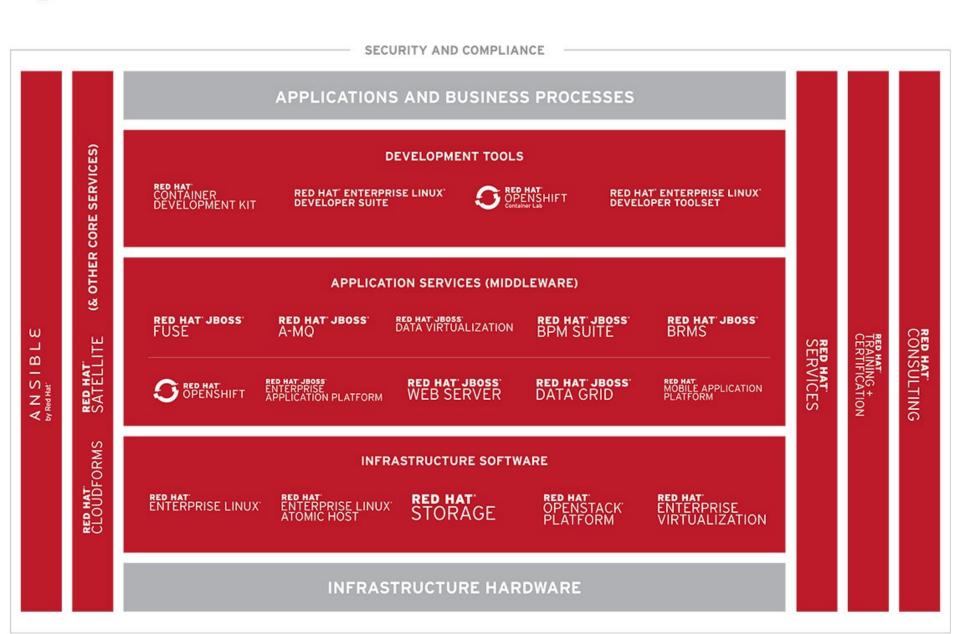
- 1. Red Hat e portfolio
- 2. Containers, Kubernetes e OpenShift
  - a. Demo
- 3. Certificações Red Hat
  - a. Red Hat Certified System Administrator (RHCSA)
  - b. Red Hat Certified Engineer (RHCE)
  - c. Red Hat Certified Architect (RHCA)
- 4. Red Hat Academy

## **Red Hat**

#### **Red Hat**

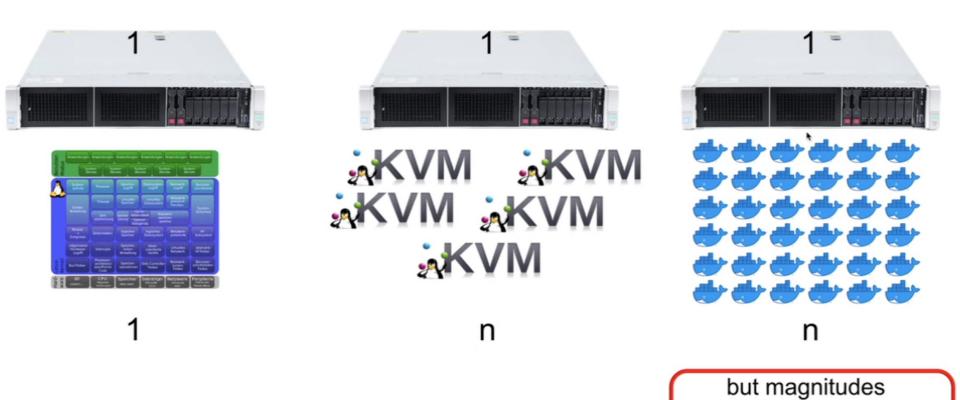
- Estados Unidos, fundada em 2019
- Líder mundial em soluções open source
- Red Hat Enterprise Linux (RHEL)
  - JBoss
  - Ansible
  - Cloud hibrida
    - OpenShift
    - OpenStack
  - Ceph
- 2018 adquirida pela IBM

### **Portfolio Red Hat**



Containers, Kubernetes e OpenShift

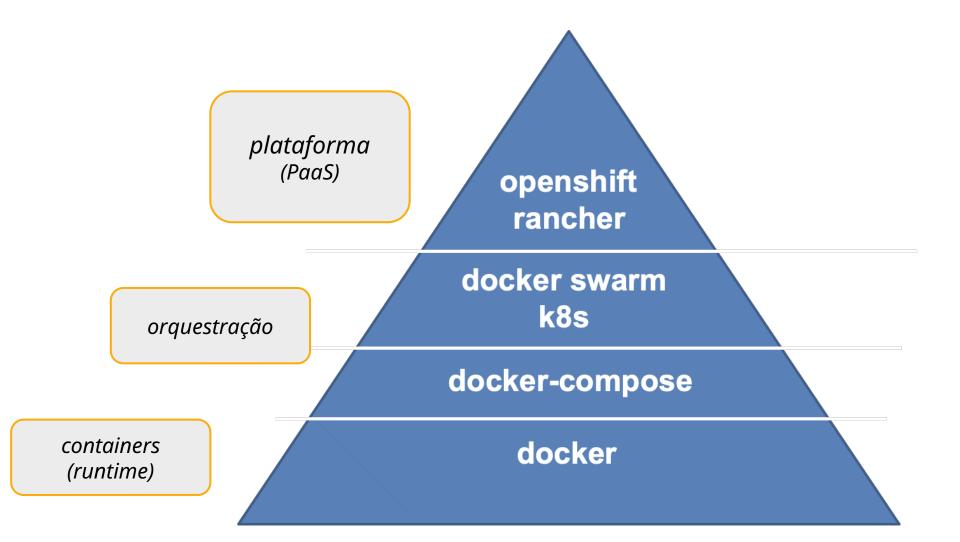
## Containers



cheaper, faster, slicker

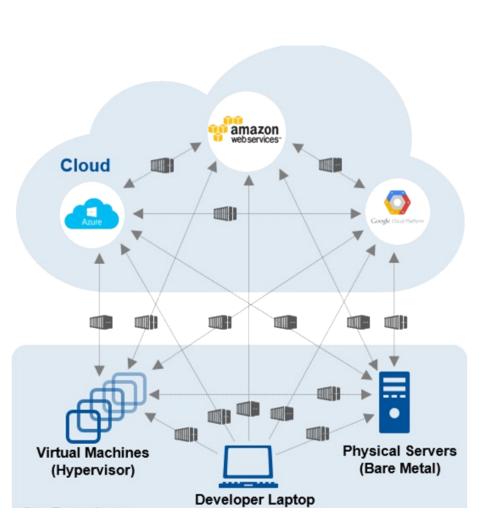
and developer oriented

## Containers

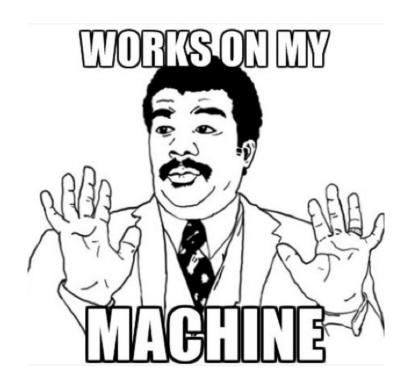


# UTILIZAÇÃO DE CONTÊINERES

#### Mobilidade de ambientes com Contêineres



Write once, deploy anywhere



## **Dockerfile**

```
FROM python:2

ADD api.py requirements.txt /

RUN pip install -r ./requirements.txt

CMD [ "./api.py" ]

EXPOSE 5000

HEALTHCHECK CMD curl --fail

http://localhost:5000/ || exit 1
```

### **Kubernetes**

```
apiVersion: extensions/v1beta1
     kind: Deployment
     metadata:
        name: api-deployment
 4
     spec:
        replicas: 3
 6
        selector:
          matchLabels:
 8
                                                    4
 9
            app: api
        template:
10
                                                    6
11
          metadata:
            labels:
12
              app: api
                                                    8
13
14
          spec:
15
            containers:
                                                   10
16
            - name: api
              image: josecastillolema/api
17
18
              imagePullPolicy: Always
              ports:
19
              - containerPort: 5000
20
```

```
apiVersion: v1
kind: Service
metadata:
   name: api-deployment
spec:
   ports:
   - port: 5000
     targetPort: 5000
   selector:
     app: api
```

# PaaS / OpenShift



# Certificações Red Hat

# Cloud

Linked in Learning

# The Skills Companies Need Most in 2020



# Open Source

los empleadores buscan el talento de código abierto

87%

de los gerentes de contratación tienen dificultades para encontrar empleados con suficiente talento de código abierto. 80%

de los gerentes de contratación buscan talento de Linux®



Capacidades de DevOps



57%

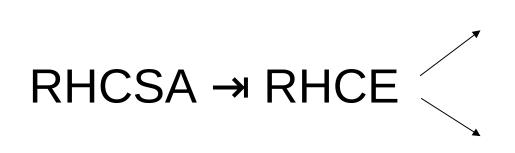
Ingenieros



49%

Administradores de sistemas

# **Red Hat Certified System Administrator**



RCHA Infra

RHCA Dev



A Certification Doesn't Make You a Better Network Engineer but Preparation for it Does!





#### Administração de sistemas básica

Aprenda a implantar, administrar, gerenciar e proteger o Red Hat Enterprise Linux.

- Red Hat System Administration I (RH124)
- Red Hat System Administration II (RH134)
- Red Hat System Administration III: Linux Automation (RH294)



#### Cloud computing

Aprenda as habilidades necessárias para ajudar sua organização a migrar para a nuvem.

- Red Hat OpenStack Administration I (CL110)
- Introduction to OpenShift Applications (DO101)
- Red Hat OpenShift I: Containers & Kubernetes (DO180)



#### Desenvolvimento de middleware

Domine as aplicações de middleware para adotar a infraestrutura moderna.

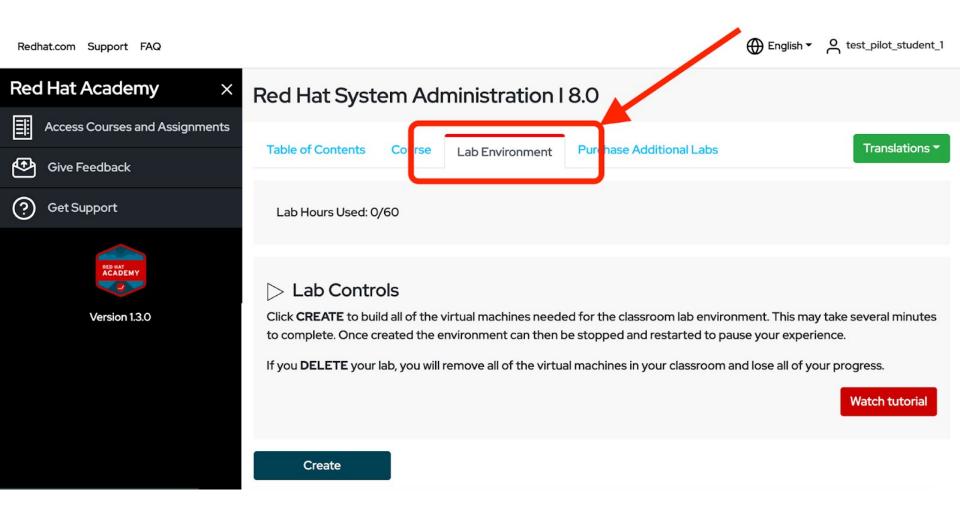
- Red Hat Application Development I: Programming in Java EE (AD183)
- Red Hat Application Development: Implementing Microservices Architectures (DO283)



#### Exames de certificação

Aprenda as habilidades necessárias para ajudar sua organização a migrar para a nuvem.

- Red Hat Certified System Administrator (EX200)
- Red Hat Certified Engineer Exam for Red Hat Enterprise Linux 8 (EX294)
- Red Hat Certified Enterprise Application Developer (EX183)
- Red Hat Certified Enterprise Microservices Developer (EX283)





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