Installing OpenShift on a VirtualBox for demos

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Prerequisites

- Virtual Box (tested on Version 5.0.20 r106931)
- Vagrant (tested on 1.8.1)
- a valid RHEL7 and OpenShift Entreprise Subscription
- a Vagrant Box with a valid RHEL7 & OpenShift Entreprise Subscription
    - Create a VirtualBox with RHEL7 "Server"
    - Add to this VirtualBox your valid Subs
    - Convert this Box into a Vagrant Base Box located on your local disk
        Instruction are here https://www.vagrantup.com/docs/boxes/base.html
        name this base box rhel72-server-base.box (or change the name in the Vagrantfile)
        do not share this box : it contains your subscriptions

Using

- Get the souce code
  > git clone https://github.com/gbechara/osedevops.git

- Launch
  > Change the passwords in the file Vagrantfile to match the root password of your box
  This password is needed to copy the generated ssh key to all OpenShift nodes
  > cd osedevops
  > vagrant up

- configure your host to add a dnsserver
  on linux add in /etc/resolv.conf
      search example.com
      10.100.192.201
  on osx create a file named example.com in /etc/resolver add to this file
      nameserver 10.100.192.201

- The openshift console is here
  https://ose-master.example.com:8443/console/

Limitations

- Works only when connected to internet

Roadmap

- Add a git server

- Add a nexus

- Add template for offline demos

- Add samples
  - Deploying JBoss SWARM microservices on OpenShift
  - Covering the entire DevOps lifecycle
  - Other ideas ?
  - ....