

Lab2 - Vagrant

Lab environment setup

1. Make sure all the required softwares are installed :
 - *Git*
 - *Vagrant*
2. Clone the git repository : <https://github.com/brahimhamdi/devops-lab>

Vagrant with one node

3. cd to : *docker-lab/vagrant-centos7-single*
 - Describe the content of *Vagrantfile* file .
4. Start and provision the vagrant environment with the command :
vagrant up
5. Output status of the vagrant machine with command :
vagrant status
 - What is the VM hash ?
6. Connect to the VM with SSH
vagrant ssh
or
vagrant ssh <hash>
 - What is the authentication method ?
 - What is the name and path of private key ?
7. Exit and stop the vagrant VM with the command:
vagrant halt
or
vagrant halt <hash>

Vagrant with multi-nodes

8. cd to *devops-lab/vagrant-ubuntu18-multiple/*
 - Describe the content of *Vagrantfile* file.

- What is the difference between this Vagrantfile and that described in question 4 ?
- 9.** Start and provision the vagrant environment.
- 10.** Connect to each vagrant VM via SSH.
- 11.** Exit and stop the each vagrant VM.

Other vagrant commands

- 12.** Output global status Vagrant environments.
- 13.** Stop and destroy all traces of the centos7 *single-node* vagrant machine.
 - Is centos7 box deleted too ?
- 14.** List the vagrant boxes.