#### **Al Nafi**

Let's educate the world to make it a better place.



## As Education Benefits All.

# Trainer Profile : Abdeali Dodiya



I have 10+ experience in IT Industries, I have completed BCA and started my career as Linux administrator / Bash scripter, Python Automation.



I have hold so many certificate like CSCU, CCNA, CCNP, MCSA, MCP and Python.



# First Lecture VAGRANT



#### What is Vagrant

- Vagrant is an open-source software product for building and maintaining portable virtual software development environments;
- e.g., for VirtualBox, KVM, Hyper-V, Docker containers, VMware, and AWS.
- It tries to simplify the software configuration management of virtualization in order to increase development productivity



#### History of Vagrant

- Vagrant was first started as a personal side-project by Mitchell Hashimoto in January 2010.
- The first version of Vagrant was released in March 2010.
- In October 2010, Engine Yard declared that they were going to sponsor the Vagrant project

|                     | Docker           | Vagrant                |
|---------------------|------------------|------------------------|
| Virtualization      | Linux container  | Virtual machine        |
| Resource isolation  | Weak             | Strong                 |
| os                  | Linux            | Linux, Windows, MacOS, |
| Starting time       | Seconds          | Minutes                |
| Size                | 100M+            | 1G+                    |
| CM integration      | No               | Yes                    |
| Building image time | Short (mins)     | Long (10+ mins)        |
| Hosted number       | >50              | <10                    |
| Deployment tools    | CoreOS, Mesos,   | Terraform              |
| Public images       | Yes (Docker Hub) | Yes (Vagrant Cloud)    |



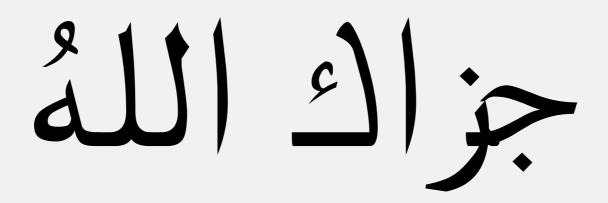
### Why Vagrant?



#### **Vagrant Outline**

- Introduction to vagrant
- Vagrant IP, RAM and CPU
- Vagrant Sync Directory
- Provisioning
- Automated Website setup
- Multi VM vagrant file
- Vagrant VMS





To ask questions, please contact <a href="mailto:stream@annaafi.org">stream@annaafi.org</a>