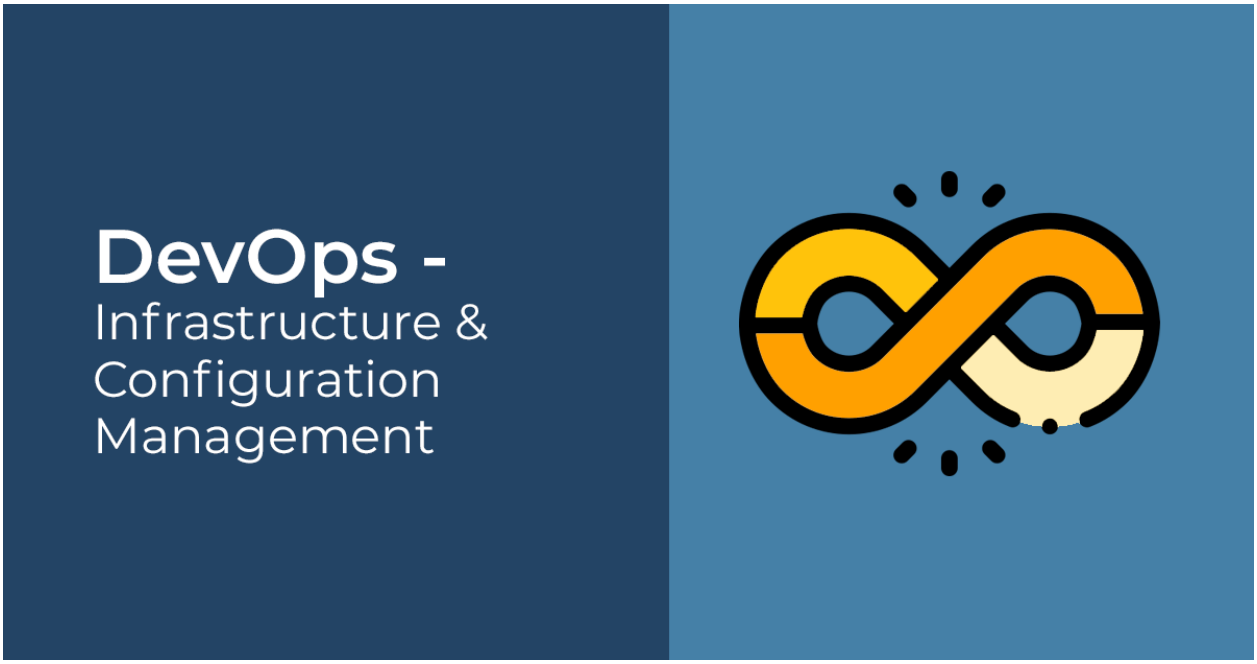


DevOps

Infrastructure & Configuration Management

April 2022

Configuration Management with Puppet

Home Work

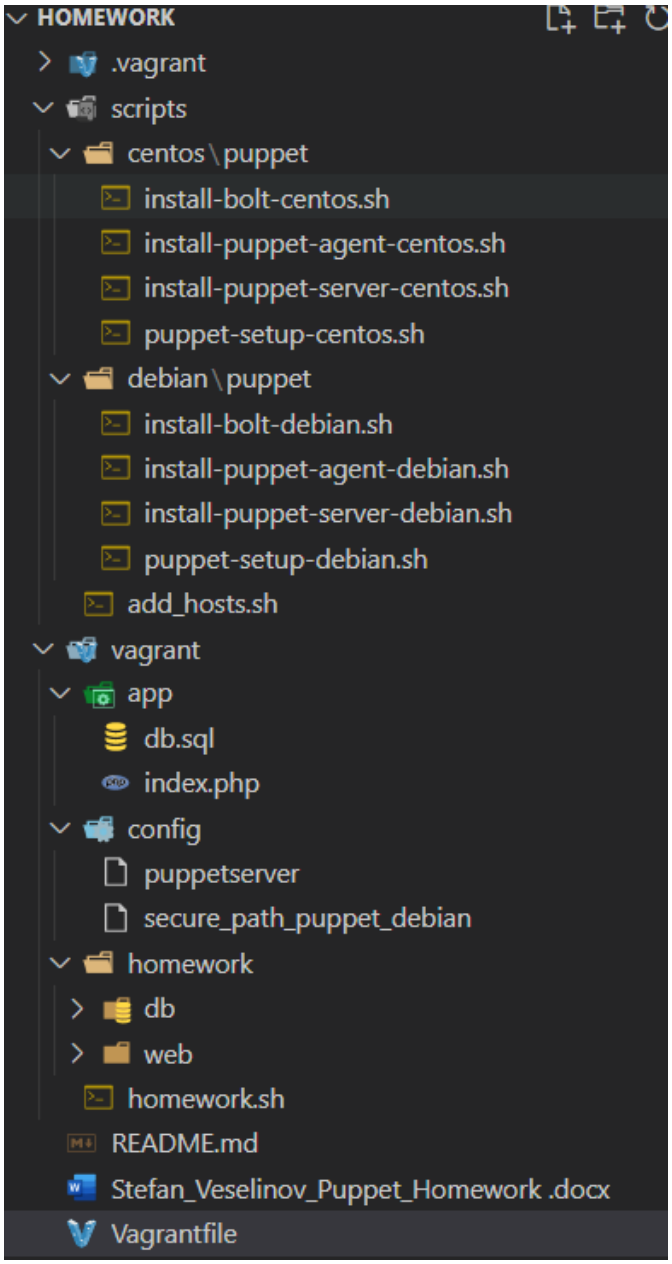
Stefan Veselinov

Assignment

You must execute either of the following set of tasks or both

2. With the help of Puppet and Vagrant create a two-host setup (Puppet could be installed on one of the machines or on both):

- One of the hosts should be based on Debian/Ubuntu and the other one – on CentOS
- Both hosts should see each other in terms of network communication. Their names should be web and db
- On of the hosts should play the role of WEB server with web solution of your choice and PHP installed and the other one – DB server with MySQL/MariaDB installed
- On the WEB host deploy the content of the web folder in M5-Homework-Challenge-Puppet (files).zip archive and on the other – the content of the db folder from the same archive
-



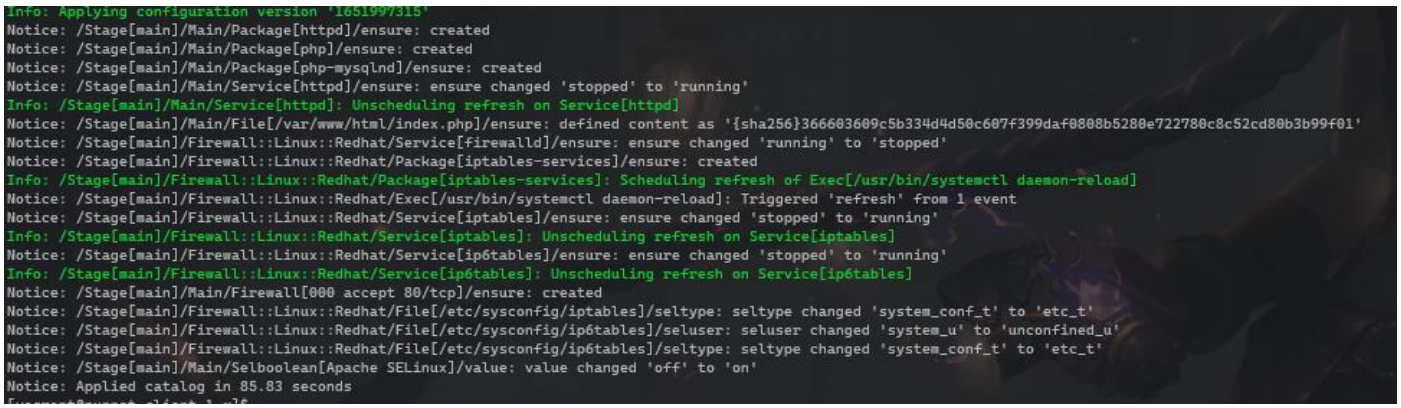
Solution Structure

- vagrant provisioning scripts for initial setup and puppet installation
- vagrant – shared folder, contains application code, puppet configuration, and puppet manifest

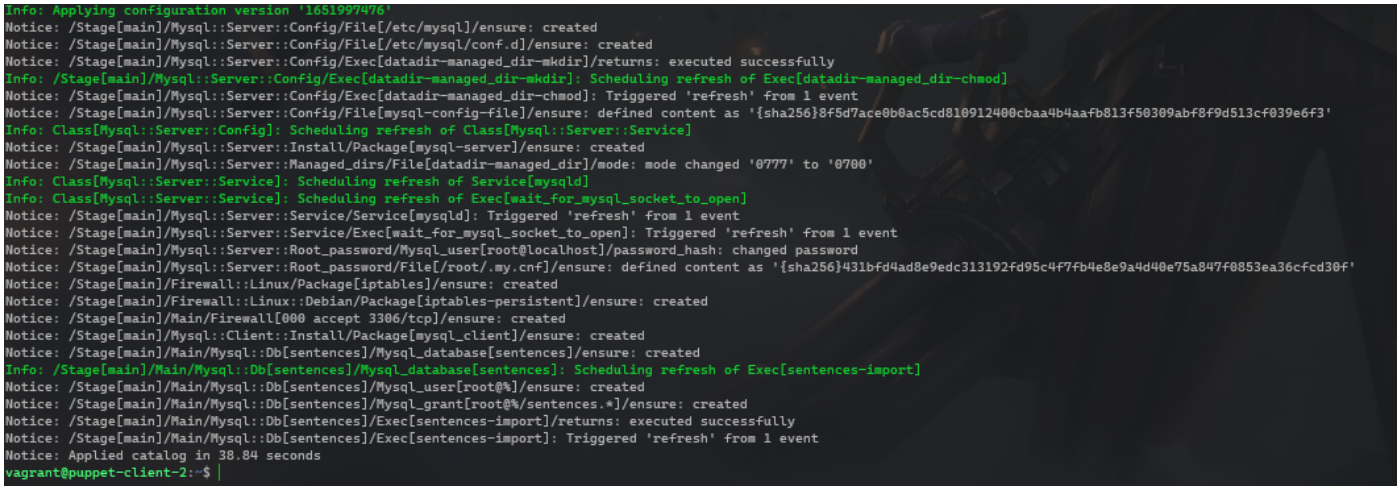
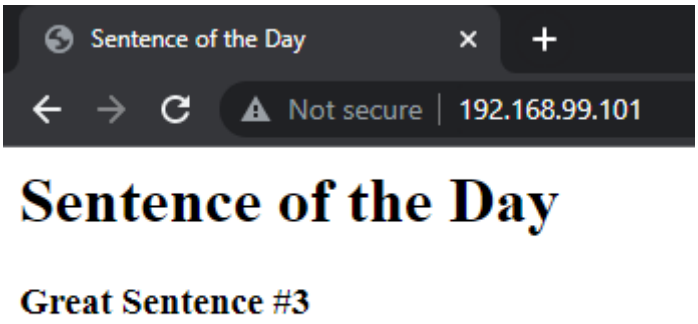
Solution Setup

- Enter solution directory (where Vagrant file is placed).
- Execute – vagrant up

- Vagrant is going to create 3-vm's
    - Server – puppet server vm
    - Client1 – web server client
    - Client2 – db server client
- Vagrant ssh client1
    - Execute – sudo puppet agent --environment=web –test



- Vagrant ssh client2
    - Execute - sudo puppet agent --environment=db --test



- visit http://192.168.99.101/