

# Runbook

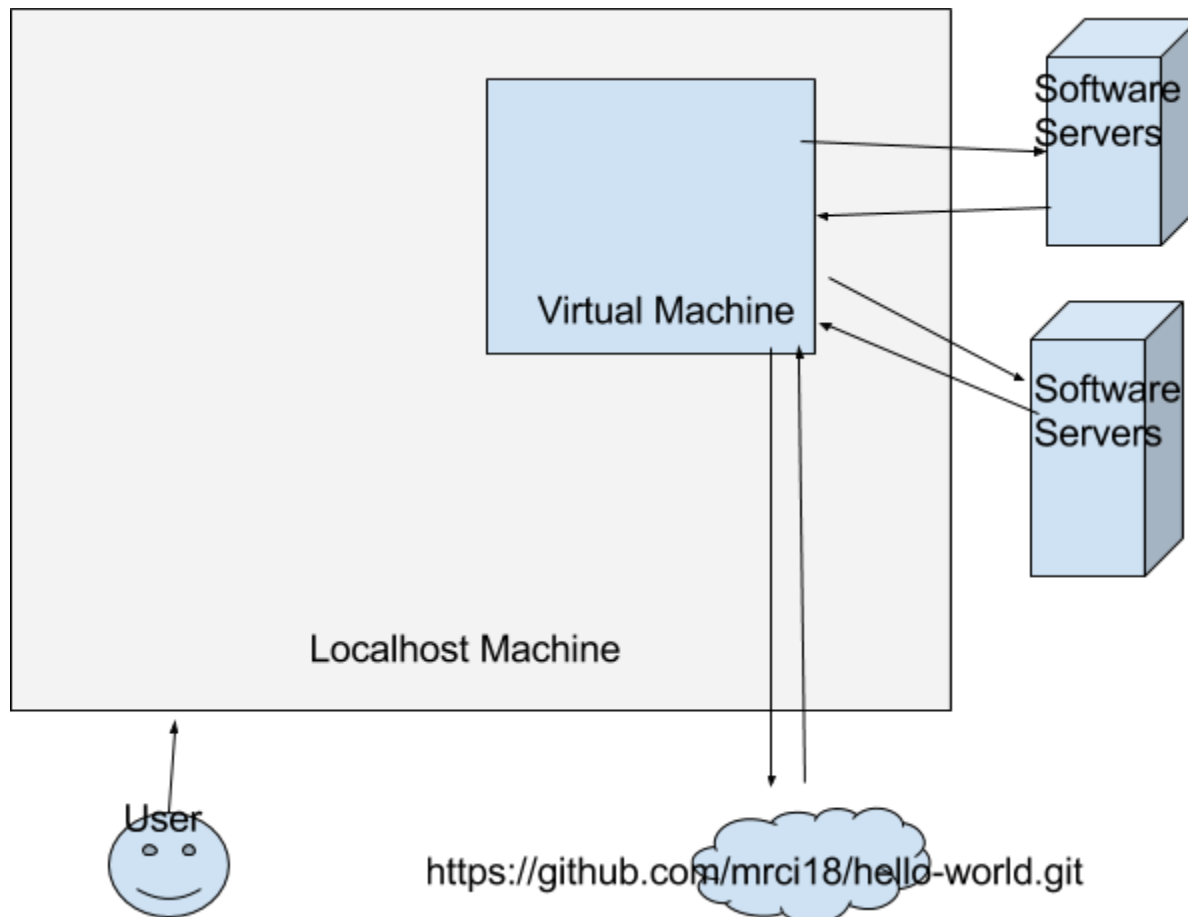
## Short Description

The purpose of the two playbooks db.yml and web.yml is to install multiple databases

## Required Software

1. VirtualBox
2. Git
3. Vagrant
4. Ansible

## Architecture Diagram



## Deployment

*Describe how to deploy the software. Note any required dependencies for the deploy (for example, the tool used for deployment). Describe the steps, including commands, to run in the proper order and the expected output of the commands.*

1. This was deployed with a debian based environment hosting a CentOS VM
2. Install Virtualbox on local machine
3. Install Vagrant on local machine
4. From the local machine download or clone repo: <https://github.com/mrci18/hello-world.git>
5. Configure personal git account on local machine
6. Configure Git to sync your fork with your personal repository
7. On the command line, navigate to your repository path
  - a. Ex: `charles@charles-VPCEH25FM:~/hello-world`
8. Start the virtual machine by entering the following command
  - a. Ex: `vagrant up`
9. SSH into CentOS
  - a. Ex: `vagrant ssh default`
10. Install ansible on CentOS virtual machine
11. Inside the CentOS VM, clone the repo: <https://github.com/mrci18/hello-world.git>
  - a. Ex. `git clone https://github.com/mrci18/hello-world.git`
12. Run playbook db.yml with the following command
  - a. Ex: `ansible-playbook -i hosts.ini db.yml`
13. Run playbook web.yml with the following command
  - a. Ex: `ansible-playbook -i hosts.ini web.yml --ask-vault-pass`
  - b. When prompted use password: "secret"

## Issues

Title: Vagrant Authentication failure

Description: The updated `authorized_keys` file permission that vagrant installed is incorrect.

When the user attempts to ssh into the virtual machine created by vagrant it will continuously attempt to input the incorrect key

Remediation Steps:

1. Log into virtual machine using virtualbox
2. Input the following
  - a. username: vagrant
  - b. Password: vagrant
3. Input command
  - a. Ex. `chmod 600 ~/.ssh/authorized_keys`