

Ansible Playbook Runbook

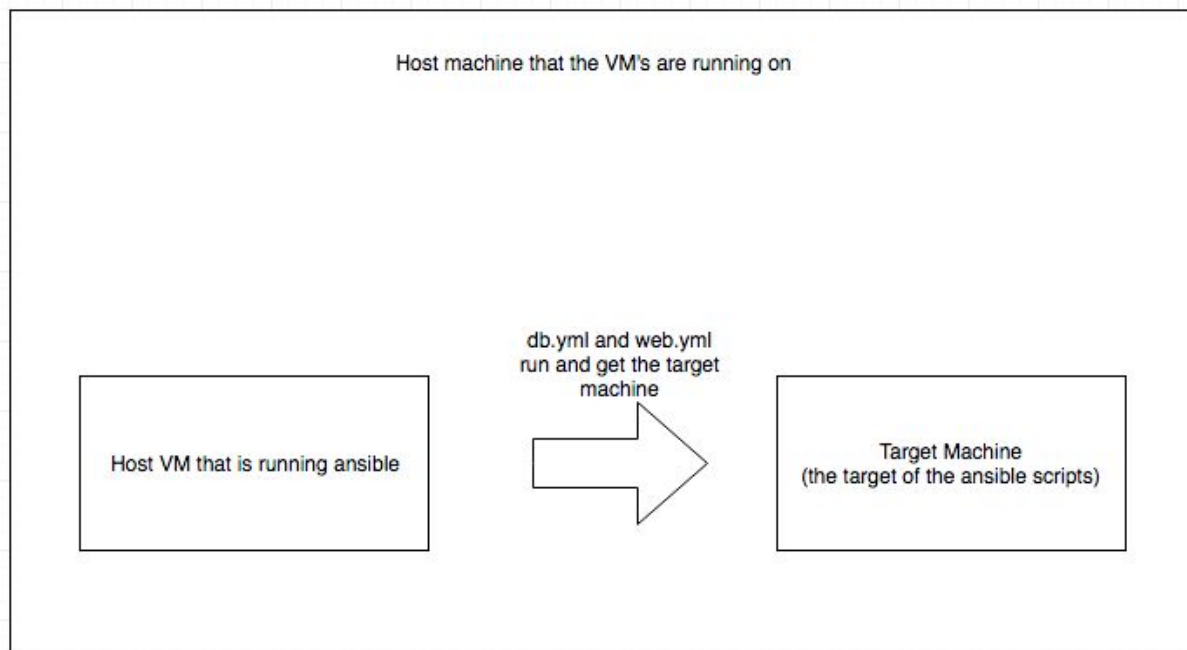
Short Description

There are two ansible files named db.yml and web.yml, running both of these files is supposed to set up a database and webserver.

Required Software

To be able to run the playbooks, some software is required. Vagrant is needed to spin up virtual machines easily that have passwordless ssh. If Vagrant is not used, every time a VM is created, passwordless ssh needs to be setup which does not fit the theme of automation. Ansible is required to run on the host machine, as that will run the playbooks necessary to create the database and webserver. The openssh-server package is required on the host machine to be able to ssh into the target machine. Python is required to use ansible, but during the ansible installation, the required python modules are installed.

Architecture Diagram



Deployment

To deploy the software, the first step is to spin up a VM and set-up passwordless ssh. Once the VM is setup, run the two ansible scripts(db.yml and web.yml) from the Host VM. Once the

scripts are finished running, there should be a finished web and database server setup on the target VM.

Issues

Title: *Static IP address setup for the target VM.*

Description: *The problem here is that if the script is to be run against another target VM that isn't the one specified, the script won't work. The obvious fix to this is to go into the hosts file and change the ip of the target. The problem with this is that it is inconvenient.*

Remediation Steps: *Adding an option to specify what ip you want to run it against will fix the issue. On the command line, run the ansible script the same just add an ip address to the line, it is like telling the script what to run against.*