

Vagrant box Runbook

Short Description

To understand and utilize the automation services of Ansible, destroying VM's and rebuilding them using as little commands as possible are what makes automation the best solutions for IT management.

Required Software

Virtualbox, Vagrant, Ansible

Architecture Diagram

An architecture diagram is a basic diagram that shows how your users might interact with the service, how different services are placed on systems, etc.

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.

For this project, the sequence of installation first starts by installing vagrant on your host or localhost machine off a browser. Then would be to enable Git on your Terminal (Mac), by downloading developer tools, and then connecting it to `$ git config - -global user.name "YOUR NAME"` `$git config - -global user.email "YOUR EMAIL"`. Then you'd remotely connect to git using `$git remote -v`. Then you would fork or clone the repo using `$ git clone https://github.com/f16-cit360/cit-360.git`. After that is done, then the next step would be run the centos7 box by using `$vagrant up` followed by `$vagrant ssh`. Fixing the public keys is needed so find the correct path and amend the `public_key.rb` file to give a specific directory certain privileges. After that `$vagrant ssh` should work and download epel-release on the box by using `$sudo apt-get epel-release`, then `$ sudo apt-get ansible` to download ansible on the guest machine. Fixing the `hosts.ini` file is the next step, so amending it was done. Next were the `web.yml` and `db.yml` files. They were both changed to YAML syntax. Then run the playbooks by using `$ansible-playbook -i hosts.ini db.yml` or `$ansible-playbook -i hosts.ini web.yml`

Issues

Please specify any issues that might occur that would cause the service to not work properly. For example, what should you do if the service process dies or what should be done if the logs fill up the disk?

Use the following format for each issue:

Title: *A quick description of the issue*

Description: *A longer description of the issue and how to detect it.*

Remediation Steps: *What are the steps to fix this issue.*