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CIT 360

Professor Hamilton

October 2, 2016

Follow Up Document

**What went wrong?**

1. I was not able to vagrant up into my machine. I kept getting an authentication error. In order to fix it, I needed to add a line of code on to the Vagrantfile and then it ran the machine. I don’t remember too clearly but I also had to change the permissions on the config file to 0600 because the machine only wants owner to have read, write permissions.
2. Every time I ran the ansible-playbook –I hosts.ini (playbook) command, I would get an error about the host. The error had to do with the hosts.ini file being set to vagrant and not default. In general, I had no idea how to get my machine to connect to the host machine through ssh, therefore, every other command would not even work.
3. The last two tasks on the web.yml playbook were not running and were giving me an enormous amount of errors that I could not even google. It was so long I couldn’t even read it. It was so frustrating because it was the last two tasks that wouldn’t run and without them, I couldn’t finish the project. It was just a permission that I had set incorrectly. After I set it to the correct permission, the playbooks ran. f

**What was most difficult about learning Ansible?**

1. The most difficult thing about Ansible was learning what it was, what I needed it for and how it worked. I had never used Ansible and hadn’t heard of it yet so besides the quick lecture on Ansible, I had to teach myself and spent hours trying to understand it.
2. Another difficult thing about Ansible was getting it to connect to my host machine via SSH. No matter what I did, it wouldn’t connect so therefore I wouldn’t know what errors the playbooks had since without the connection, the playbooks would run at all.
3. Another difficult thing about learning Ansible was the syntax. I mean its simple and not difficult to understand. It is meant for it to be easy for everyone to read but decoding what the actual syntax meant and what the tasks did was a little difficult for me since the two files did not have the name descriptor and them, therefore I had no idea what the tasks did. However, it was all a matter of googling things and asking the professor for help.

**What was most difficult about learning Vagrant?**

1. Vagrant was not too difficult. The most difficult thing from Vagrant that I was having a hard time with was the bug that centos7 had (authentication failure) that wouldn’t run the machine. However, after I added the code to the Vagrantfile and the machine was up and running, I didn’t have too much trouble with it.
2. I had some trouble running ssh default with vagrant.
3. Most of the issues with Vagrant were not about vagrant but more the Centos macine in specific. It had bugs that were difficult to fix. I couldn’t ssh into the machine without fixing the bug.

**What did you learn from this assignment?**

I learned plenty of things.

1. I learned how to run a virtual machine quickly by simple running vagrant up and then destroying it with vagrant destroy.
2. I learned how playbooks work and run on a host machine. I learned how to troubleshoot my code and debug it in order to run and no matter how long it took, to keep going.
3. I learned how to use GitHub although I am still having a little trouble with it. I learned how to run it through the command line which actually taught me more than through the desktop app.

**What is something non-technical that you learned from this assignment?**

Something non-technical that I learned from this assignment was to not be afraid to ask questions. I never really asked any questions or cooperated with classmates because I was too shy but the scope of this assignment allowed all of us to work together and contribute through slack or in person after and before class.

**What would you have liked to learn from this assignment but didn’t?**

I would have liked to learn how to create a playbook from scratch therefore I would have known how it is created and ran. I would have probably learned how to fix the errors faster if I would have had an assignment that ran a simple playbook.

**Do you still have any questions regarding what was covered by the assignment?**

I do have some questions actually. I didn’t have time to run the playbooks on the host machine and see what each task did on the host machine like the professor did during class. Such as, running the db.yml and going through the database on the vagrant machine. I also have a lot of questions about AWS since I didn’t use it but I know that will be the scope of our next assignment.