Homework2 notes

W251-2

I couldn’t get slcli to work on centos, I figured that was the cause of many problems. I tried provisioning with centos 6 but no luck, yum is fixed to an earlier version of Python (2.6) which is incompatible with Softlayer & Salt… or at least too foreboding to attempt to get the different versions to live together peacefully. I finally got Softlayer and Salt working on Ubuntu. Supplement the assignment with these steps:

1. Follow all the instructions in the assignment about creating ssh keys. It is not necessary to complete the task, but cool and useful for debugging.
2. Use Ubuntu instead of centos. Couldn’t get slcli not to barf using centos. Here is the command to provision the server:

slcli virtual create -d hou02 --os UBUNTU\_LATEST\_64 --cpu 1 --memory 1024 --hostname saltmaster2 --domain tabbone.net --key Lab2ID

If you want to try another OS, you can get a list by executing the following:

slcli virtual create-options

3. Log into the new machine per the assignment.

4. Install pip

sudo apt-get install software-properties-common

sudo apt-add-repository universe

sudo apt-get update

sudo apt-get install python-pip

pip install --upgrade pip

5. Install Softlayer

pip install softlayer

6. Don’t forget to copy the ~/.softlayer file from your local machine to your ubuntu server (or repeat HW 1

slcli config setup

7. Be sure that slcli works before you proceed to install salt. Try getting a list of your servers:

slcli virtual list

7. Follow these instructions to install Salt Stack: <https://repo.saltstack.com/#ubuntu>. Don’t bother with the post-install config because the defaults are fine.

8. Follow the homework instructions but since we are using the latest version of Salt, the config files changed a little.. First ‘provider’ has been switched to ‘driver’ Second, you don’t need anything more than below.

cat > /etc/salt/cloud.providers.d/softlayer.conf  
sl:  
 minion:  
 master: <6.2.6.1>  
 user: <beyonce>  
 apikey: <ZZZZZZZZZZZZZZZZZZZZZ>  
 driver: softlayer

I also banished centos from etc/salt/cloud.profiles.d/softlayer.conf because I didn’t want to worry about debugging minions.

sl\_ubuntu\_small:

provider: sl

image: UBUNTU\_LATEST\_64

cpu\_number: 1

ram: 1024

disk\_size: 25

local\_disk: True

hourly\_billing: True

domain: tabbone.net

location: dal06

9. Everything should work now and you can finish the assignment. It takes about 10 minutes to provision a server using Salt, and it is silent during the first half so sit tight. There is a lot of output

Cheers!

-John