**Preparing Vagrant Development Environment managed by Salt**

**1. Create a directory on your local filesystem for storing vagrant configuration for development environment, e.g.:**

$ cd ~

$ mkdir vagrant-workspace

**2. Download Vagrantfile from** [**https://github.com/360youlun/devops/tree/develop/templates/vagrant**](https://github.com/360youlun/devops/tree/develop/templates/vagrant) **and put to your vagrant-workspace directory**

**3. Go into your vagrant-workspace directory and start vagrant machine:**

$ cd ~/vagrant-workspace

$ vagrant up

**4. Login to your vagrant box by ssh:**

$ vagrant ssh

**5. Add saltstack repository to your dev system:**

$ sudo add-apt-repository ppa:saltstack/salt

**6. Update system packages:**

$ sudo apt-get update

**7. Install python-software-properties:**

$ sudo apt-get install python-software-properties

**8. Install salt-minion:**

$ sudo apt-get install salt-minion

**9. Edit file /etc/salt/minion and add 2 lines in the head of file:**

*master: master.360yln.com*

*id: dev3*

**10. Restart salt-minion service:**

$ sudo service salt-minion restart

**11. The restart command from previous step sent initial authentication request to salt-master, and salt-minion needs to be authenticated on master server(one time). So before going next ask DevOps team member to authenticate your minion and confirm about that.**

**12. Start vagrant box provisioning by next command:**

$ sudo salt-call state.highstate

**13. Switch to development user and start application:**

$ su - dev

$ sudo service dev start

**14. Open cruise site by URL:** [**http://192.168.33.10:8000/**](http://192.168.33.10:8000/)

**15. Stopping vagrant box.**

To stop vagrant box correctly after work finished:

1) Logout from vagrant box

2) Stop vagrant box:

$ vagrant halt

**16. All scripts for managing environment are the same as for staging, like update\_db.sh, update\_virtualenv.sh etc.**

**17. Password for all existing users is ‘password’**