Lab 2. Managing our first minion.

Now that we have configured our salt master as a minion, we want to use salt to install some common packages.

Create our base directory for our salt installation. The default is /srv/salt. Note that if you wish to change this, edit the file_roots: directive in /etc/salt/master.

In the /srv/salt directory, create a *top.sls* file. Here we will describe some packages that will be commonly installed from our base environment.

For all minions, define a state that says to run the *common.sls* file.

The common.sls file will contain five states,

a package install of vim

management of the vimrc file.

A package install of git.

Create a vimrc file with a single line of data:

syntax off

This is the file that will be managed. Make sure that this file is located in

/srv/salt/base. That is the default mapping for the salt:// URL.

Next, we will define a common user that will allow us to log in to any minion

as a non-root user.

Please use your userid as the common user. Define a user.present state that will automatically

create a user on all minions controlled by your salt master.

Optional:

Finally, we will manage our sources.list file for the apt package. We want to run apt-get update everytime our sources.list file is changed for all minions. To do this, we will create a new script *update.sh* which will run apt-get update.

Use the stateful option to the cmd module and put the following lines into the update.sh file.

echo "" ## This echos an empty line and is required

echo "changed=yes comment='apt-get update executed successfully'"

echo "" ## This echos an empty line and is required

echo "changed=no comment='apt-get update failed to execute'"

This way, the output string will appear on the result output from the state.apply command.