**Exercise: The 'AptKey' Module**

1. Verify that your ansible installation is available by displaying the version of ansible while logged in as the 'user' user.

[test@tcox3 ~]$ ansible --version

ansible 1.9.2

  configured module search path = None

2. Run the ansible command that lists all of the hosts configured in your control server 'hosts' file for the system.

[test@tcox3 ~]$ ansible all --list-hosts

    tcox5.mylabserver.com

    localhost

    tcox4.mylabserver.com

3. Create a playbook, using the 'apt\_key' module that accomplishes the following:

- Uses SSH

- Logs in to the remote system as 'test' user

- Connects to all the hosts from Step #2 above

- The playbook runs as 'sudo'

- Gathers remote facts

- Installs the dependency package 'python-apt'

- Adds a repository (for example, the Google repository available at http://dl.google.com) as appropriate for the server

- Adds the key for the repository in the previous step

[test@tcox3 Playbooks]$ vim aptkey.yml

[test@tcox3 Playbooks]$ cat aptkey.yml

--- # APT\_REPOSITORY MODULE EXAMPLE/ALSO APT\_KEY EXAMPLE

- hosts: aptserver

  user: test

  sudo: yes

  connection: ssh

  gather\_facts: no

  tasks:

    - name: Install a dependency needed for apt\_repository

      apt: pkg=python-apt state=latest

    - name: Add the key

      apt\_key: url=https://dl-ssl.google.com/linux/linux\_signing\_key.pub state=present

    - name: Add the Google Repo for Ubuntu

      apt\_repository: repo='deb http://dl.google.com/linux/deb/ stable main non-free' state=present

4. Run the playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook aptkey.yml

PLAY [aptserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK: [Install a dependency needed for apt\_repository] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox1.mylabserver.com]

TASK: [Add the key] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox1.mylabserver.com]

TASK: [Add the Google Repo for Ubuntu] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox1.mylabserver.com]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

tcox1.mylabserver.com      : ok=3    changed=3    unreachable=0    failed=0