**Exercise: Running Ansible Commands Against Hosts**

***NOTE:***These exercises can be completed on Linux Academy Lab Servers with any distribution and version available AS LONG AS the Ansible application has been installed and the 'test' user has been set up with SSH Key Exchange for password less SSH sessions (see previous lab for setup).

1. Display the current version and status of the Ansible application.

[test@tcox3 ~]$ ansible --version

ansible 1.9.2

  configured module search path = None

2. Using the appropriate module, from your control server, list all the hosts configured in your environment. Using ansible, run a ping command against all hosts in the environment.

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

    tcox5.mylabserver.com

    localhost

    tcox4.mylabserver.com

[test@tcox3 ~]$ ansible all -m ping

localhost | success >> {

    "changed": false,

    "ping": "pong"

}

tcox5.mylabserver.com | success >> {

    "changed": false,

    "ping": "pong"

}

tcox4.mylabserver.com | success >> {

    "changed": false,

    "ping": "pong"

}

3. List the contents of your ansible 'hosts' file. Using only ONE of the groups in the file, attempt to install the 'lynx' package on that server.

[test@tcox3 ~]$ cat /etc/ansible/hosts

[local]

localhost

[apacheweb]

tcox4.mylabserver.com

[appserver]

tcox5.mylabserver.com

[test@tcox3 ~]$ ansible apacheweb -s -m shell -a 'yum -y install lynx'

tcox4.mylabserver.com | success | rc=0 >>

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

 \* base: distro.ibiblio.org

 \* epel: mirror.symnds.com

 \* extras: mirror.cogentco.com

 \* updates: mirror.cogentco.com

Package lynx-2.8.8-0.3.dev15.el7.x86\_64 already installed and latest version

Nothing to do

4. Using the same group as Step #3, attempt to install the 'telnet' package on that server using the more 'playbook friendly' module and syntax.

[test@tcox3 ~]$ ansible apacheweb -s -m yum -a 'pkg=telnet state=installed update\_cache=true'

tcox4.mylabserver.com | success >> {

    "changed": false,

    "msg": "",

    "rc": 0,

    "results": [

        "telnet-0.17-59.el7.x86\_64 providing telnet is already installed"

    ]

}