**Exercise: Create a Simple Playbook**

1. While logged into your control server, create a directory called 'Playbooks' and create an empty file in it called 'deploy\_DATE.yml'. Replace DATE with today's date.

[test@tcox3 ~]$ mkdir Playbooks

[test@tcox3 ~]$ cd Playbooks

[test@tcox3 ~]$ touch deploy\_09242015.yml

2. Edit the 'deploy\_DATE.yml' file and create a structure that will run the following against ONE of the groups in your host configuration:

  - Using the package installation module, install lynx package

  - Using the package installation module, determine if the telnet package is installed

CONTENT SHOULD LOOK SOMETHING LIKE:

- hosts: appserver

  tasks:

  - name: Install Lynx on App Servers

    yum: pkg=lynx state=installed update\_cache=true

  - name: Querying for Telnet Install

    yum: pkg=telnet state=present update\_cache=true

3. Run the playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook -s deploy\_09242015.yml

PLAY [appserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

GATHERING FACTS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK: [Install Lynx on App Servers] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK: [Querying for Telnet Install] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

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

tcox5.mylabserver.com      : ok=3    changed=0    unreachable=0    failed=0

4. Edit the playbook in Step #2 and create a new section for a DIFFERENT group in your host configuration as follows:

  - Using the package installation module, install the telnet package

  - Using the package installation module, determine if the lynx package is installed

FULL FILE SHOULD NOW LOOK SOMETHING LIKE:

- hosts: appserver

  tasks:

  - name: Install Lynx on App Servers

    yum: pkg=lynx state=installed update\_cache=true

  - name: Querying for Telnet Install

    yum: pkg=telnet state=present update\_cache=true

- hosts: apacheweb

  tasks:

  - name: Install Lynx on Web Servers

    yum: pkg=telnet state=installed update\_cache=true

  - name: Querying for Lynx Install

    yum: pkg=lynx state=present update\_cache=true

5. Run the full playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook -s deploy\_09242015.yml

PLAY [appserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

GATHERING FACTS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK: [Install Lynx on App Servers] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK: [Querying for Telnet Install] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

PLAY [apacheweb] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

GATHERING FACTS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox4.mylabserver.com]

TASK: [Install Lynx on Web Servers] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox4.mylabserver.com]

TASK: [Querying for Lynx Install] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox4.mylabserver.com]

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

tcox4.mylabserver.com      : ok=3    changed=0    unreachable=0    failed=0

tcox5.mylabserver.com      : ok=3    changed=0    unreachable=0    failed=0

6. Tail the last lines of the ansible log file and compare to the results in Step #5.

[test@tcox3 Playbooks]$ tail /var/log/ansible.log

2015-09-25 18:25:43,538 p=1682 u=test |

2015-09-25 18:25:43,569 p=1682 u=test |  PLAY [appserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2015-09-25 18:25:43,569 p=1682 u=test |  GATHERING FACTS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2015-09-25 18:25:43,782 p=1682 u=test |  ok: [tcox5.mylabserver.com]

2015-09-25 18:25:43,783 p=1682 u=test |  TASK: [Install Lynx on App Servers] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2015-09-25 18:25:47,166 p=1682 u=test |  ok: [tcox5.mylabserver.com]

2015-09-25 18:25:47,166 p=1682 u=test |  TASK: [Querying for Telnet Install] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2015-09-25 18:25:51,595 p=1682 u=test |  ok: [tcox5.mylabserver.com]

2015-09-25 18:25:51,596 p=1682 u=test |  PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2015-09-25 18:25:51,596 p=1682 u=test |  tcox5.mylabserver.com      : ok=3    changed=0    unreachable=0    failed=0