**Exercise: Take Your Playbook for a DryRun**

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 the 'outline' created in our previous exercise

[test@tcox3 Outline]$ vim webserver.yml   
[test@tcox3 Outline]$ cat webserver.yml   
--- # Outline to Playbook Translation  
- hosts: apacheweb  
  user: test  
  sudo: yes  
  gather\_facts: no  
  tasks:  
  - name: date/time stamp for when the playbook starts  
    command: /usr/bin/date  
    register: timestamp\_start  
  - debug: var=timestamp\_start  
  - name: install the apache web server  
    yum: pkg=httpd state=latest  
    notify: Start HTTPD  
  - name: verify that the web service is running  
    command: systemctl status httpd  
    register: result  
    ignore\_errors: yes  
  - debug: var=result  
  - name: install client software - telnet  
    yum: pkg=telnet state=latest  
  - name: install client software - lynx  
    yum: pkg=lynx state=latest  
  - name: log all the packages install on the system  
    command: yum list installed  
    register: installed\_result  
  - debug: var=installed\_result  
  - name: date/time stamp for when the playbook ends  
    command: /usr/bin/date  
    register: timestamp\_end  
  - debug: var=timestamp\_end  
  handlers:  
  - name: Start HTTPD  
    service: name=httpd state=restarted

4. Run the playbook using the 'dry run' command and display the results

[test@tcox3 Outline]$ ansible-playbook webserver.yml --check  
  
PLAY [apacheweb] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
TASK: [date/time stamp for when the playbook starts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
skipping: [tcox4.mylabserver.com]  
ok: [tcox4.mylabserver.com]  
  
TASK: [debug var=timestamp\_start] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox4.mylabserver.com] => {  
    "var": {  
        "timestamp\_start": {  
            "invocation": {  
                "module\_args": "/usr/bin/date",   
                "module\_name": "command"  
            },   
            "msg": "check mode not supported for command",   
            "skipped": true  
        }  
    }  
}  
  
TASK: [install the apache web server] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
changed: [tcox4.mylabserver.com]  
  
TASK: [verify that the web service is running] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
skipping: [tcox4.mylabserver.com]  
ok: [tcox4.mylabserver.com]  
  
TASK: [debug var=result] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox4.mylabserver.com] => {  
    "var": {  
        "result": {  
            "invocation": {  
                "module\_args": "systemctl status httpd",   
                "module\_name": "command"  
            },   
            "msg": "check mode not supported for command",   
            "skipped": true  
        }  
    }  
}  
  
TASK: [install client software - telnet] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
changed: [tcox4.mylabserver.com]  
  
TASK: [install client software - lynx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
changed: [tcox4.mylabserver.com]  
  
TASK: [log all the packages install on the system] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
skipping: [tcox4.mylabserver.com]  
ok: [tcox4.mylabserver.com]  
  
TASK: [debug var=installed\_result] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox4.mylabserver.com] => {  
    "var": {  
        "installed\_result": {  
            "invocation": {  
                "module\_args": "yum list installed",   
                "module\_name": "command"  
            },   
            "msg": "check mode not supported for command",   
            "skipped": true  
        }  
    }  
}  
  
TASK: [date/time stamp for when the playbook ends] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
skipping: [tcox4.mylabserver.com]  
ok: [tcox4.mylabserver.com]  
  
TASK: [debug var=timestamp\_end] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox4.mylabserver.com] => {  
    "var": {  
        "timestamp\_end": {  
            "invocation": {  
                "module\_args": "/usr/bin/date",   
                "module\_name": "command"  
            },   
            "msg": "check mode not supported for command",   
            "skipped": true  
        }  
    }  
}  
  
NOTIFIED: [Start HTTPD] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
changed: [tcox4.mylabserver.com]  
  
PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
tcox4.mylabserver.com      : ok=8    changed=4    unreachable=0    failed=0