**Exercise: The 'Find' Module**

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

[test@ubuntuvideo ~]$ ansible --version

ansible 2.0.0

  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@ubuntuvideo ~]$ ansible all --list-hosts

    tcox5.mylabserver.com

    localhost

    tcox4.mylabserver.com

3. Create a playbook, using the 'find' module that accomplishes the following:

- Uses SSH

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

- Connects to one server or group from Step #2 above

- The playbook runs as 'sudo'

- Skip gathering remote facts

- Search the remote system /etc directory for the fstab file

- Capture the resulting file characteristics into a variable called 'results'

- Output the captured results in JSON format when the playbook is run

test@ubuntuvideo:~/Playbooks$ vim find.yml

test@ubuntuvideo:~/Playbooks$ cat find.yml

--- # ANSIBLE 2.0 FIND MODULE EXAMPLE

- hosts: appserver

  remote\_user: test

  become: yes

  become\_method: sudo

  gather\_facts: yes

  tasks:

  - name: Simple find on fstab file

    find: paths="/etc" patterns="fstab"

    register: result

  - debug: var=result

4. Run the playbook and display the results.

test@ubuntuvideo:~/Playbooks$ ansible-playbook find.yml

PLAY \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [setup] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK [Simple find on fstab file] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com]

TASK [debug var=result] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox5.mylabserver.com] => {

    "changed": false,

    "result": {

        "changed": false,

        "examined": 211,

        "files": [

            {

                "atime": 1448740798.988532,

                "ctime": 1420651686.8908072,

                "dev": 51713,

                "gid": 0,

                "inode": 127449,

                "isblk": false,

                "ischr": false,

                "isdir": false,

                "isfifo": false,

                "isgid": false,

                "islnk": false,

                "isreg": true,

                "issock": false,

                "isuid": false,

                "mode": "0644",

                "mtime": 1420651686.8888073,

                "nlink": 1,

                "path": "/etc/fstab",

                "rgrp": true,

                "roth": true,

                "rusr": true,

                "size": 342,

                "uid": 0,

                "wgrp": false,

                "woth": false,

                "wusr": true,

                "xgrp": false,

                "xoth": false,

                "xusr": false

            }

        ],

        "matched": 1,

        "msg": ""

    }

}

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

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

LAB :