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 'debug' 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

- Installs the apache web server as appropriate the server type in Step #2 above

- Displays a debug message indicating the command equivalent of that module installation

- Runs the 'uptime' utility on the server in Step #2 above

- Registers the result in a variable and uses a debug statement to display the result JSON formatted variable

[test@tcox3 Playbooks]$ vim debug.yml

[test@tcox3 Playbooks]$ cat debug.yml

--- # DEBUG MODULE EXAMPLE

- hosts: apacheweb

  user: test

  sudo: yes

  connection: ssh

  gather\_facts: no

  tasks:

    - name: Install web server

      yum: name=httpd state=installed

    - debug: msg="Equivalent of sudo yum install httpd"

    - name: How Long has the system been up?

      shell: /usr/bin/uptime

      register: result

    - debug: var=result

4. Run the playbook and display the results.

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

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

TASK: [Install web server] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox4.mylabserver.com]

TASK: [debug msg="Equivalent of sudo yum install httpd"] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox4.mylabserver.com] => {

    "msg": "Equivalent of sudo yum install httpd"

}

TASK: [How Long has the system been up?] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [tcox4.mylabserver.com]

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

ok: [tcox4.mylabserver.com] => {

    "var": {

        "result": {

            "changed": true,

            "cmd": "/usr/bin/uptime",

            "delta": "0:00:00.002803",

            "end": "2015-10-12 17:36:19.743023",

            "invocation": {

                "module\_args": "/usr/bin/uptime",

                "module\_name": "shell"

            },

            "rc": 0,

            "start": "2015-10-12 17:36:19.740220",

            "stderr": "",

            "stdout": " 17:36:19 up 9 min,  1 user,  load average: 0.00, 0.03, 0.05",

            "stdout\_lines": [

                " 17:36:19 up 9 min,  1 user,  load average: 0.00, 0.03, 0.05"

            ],

            "warnings": []

        }

    }

}

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

tcox4.mylabserver.com      : ok=4    changed=1    unreachable=0    failed=0

lab :

