**Exercise: The 'Mail' Module**

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 'mail' module that accomplishes the following:

- Uses SSH

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

- Connects to all the hosts from Step #2 above

- The playbook runs as 'sudo'

- Skip gathering remote facts

- Sends a message from the remote server in Step #2 above to the local test user, over the standard SMTP port indicating that the host is finished deploying the playbook

[test@tcox3 Playbooks]$ vim mail.yml   
[test@tcox3 Playbooks]$ cat mail.yml   
--- # MAIL MODULE EXAMPLE  
- hosts: aptserver  
  user: test  
  connection: ssh  
  tasks:  
    - name: Send an email to test user indicating build completion  
      mail:  
        host='localhost'  
        port=25  
        to="test"  
        subject="Our Host is Finished Deploying"  
        body='System called {{ ansible\_hostname }} has been successfully set up'

4. Run the playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook mail.yml   
  
PLAY [aptserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
GATHERING FACTS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox1.mylabserver.com]  
  
TASK: [Send an email to test user indicating build completion] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox1.mylabserver.com]  
  
PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
tcox1.mylabserver.com      : ok=2    changed=1    unreachable=0    failed=0