**Exercise: The 'Unarchive' Module**

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[Exercise Instructions](https://linuxacademy.com/cp/exercises/view/id/208/module/59)

[Solution](https://linuxacademy.com/cp/exercises/view/id/208/module/59#/)

[Mark as Completed](https://linuxacademy.com/cp/exercises/view/id/208/module/59#/)

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 tar/gz file containing whatever content you want and name it test.tar.gz in the /home/test directory on your control server.

4. Create a playbook, using the 'unarchive' 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

- Copy and then expand the file from the control server to the remote server from Step #2 above

[test@tcox3 Playbooks]$ vim unarchive.yml   
[test@tcox3 Playbooks]$ cat unarchive.yml   
--- # UNARCHIVE MODULE EXAMPLE  
- hosts: aptserver  
  user: test  
  sudo: yes  
  connection: ssh  
  gather\_facts: no  
  tasks:  
    - name: copy and unarchive a file  
      unarchive: src=/home/test/local/test.tar.gz dest=/home/test/local copy=yes

5. Run the playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook unarchive.yml   
  
PLAY [aptserver] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
TASK: [copy and unarchive a file] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
ok: [tcox1.mylabserver.com]  
  
PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
tcox1.mylabserver.com      : ok=1    changed=1    unreachable=0    failed=0