

Homework 1 - Ansible

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Git Repo: <https://github.com/bfkwong/CMPE-272-HW1-Ansible>

1. `ansible -m ping all` working as expected

```
bryan@bryan-VirtualBox:~/Documents$ ansible -m ping all
bryan@192.168.1.48 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
bryan@192.168.1.47 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
bryan@192.168.1.49 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
bryan@bryan-VirtualBox:~/Documents$
```

2. `AnsibleSetup.yml` to install apache2 on all the VMs

```

bryan@bryan-VirtualBox:~/Documents$ ansible-playbook -k -K ansibleSetup.yml
SSH password:
BECOME password[defaults to SSH password]:

PLAY [Install and setup apache2 services] *****

TASK [Gathering Facts] *****
ok: [bryan@192.168.1.47]
ok: [bryan@192.168.1.48]
ok: [bryan@192.168.1.49]

TASK [install apache web server] *****
ok: [bryan@192.168.1.49]
ok: [bryan@192.168.1.47]
ok: [bryan@192.168.1.48]

PLAY RECAP *****
bryan@192.168.1.47      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.48      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.49      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0

```

3. `AnsibleSetupPort.yml` to enable port 8080

```

bryan@bryan-VirtualBox:~/Documents$ ansible-playbook -k -K ansibleSetupPort.yml
SSH password:
BECOME password[defaults to SSH password]:

PLAY [set up port] *****

TASK [Gathering Facts] *****
ok: [bryan@192.168.1.49]
ok: [bryan@192.168.1.48]
ok: [bryan@192.168.1.47]

TASK [Set up port] *****
changed: [bryan@192.168.1.48]
changed: [bryan@192.168.1.49]
changed: [bryan@192.168.1.47]

PLAY RECAP *****
bryan@192.168.1.47      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.48      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.49      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0

```

4. `AnsibleWriteHTML.yml` to write new HTML

```

bryan@bryan-VirtualBox:~/Documents$ ansible-playbook -k -K ansibleWriteHTML.yml
SSH password:
BECOME password[defaults to SSH password]:

PLAY [create new html file] *****

TASK [Gathering Facts] *****
ok: [bryan@192.168.1.49]
ok: [bryan@192.168.1.47]
ok: [bryan@192.168.1.48]

TASK [new html files] *****
changed: [bryan@192.168.1.47]
changed: [bryan@192.168.1.49]
changed: [bryan@192.168.1.48]

PLAY RECAP *****
bryan@192.168.1.47      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.48      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.49      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0

```

5. `AnsibleStartServers.yml` to start the servers

```

bryan@bryan-VirtualBox:~/Documents$ ansible-playbook -k -K ansibleStartServers.yml
SSH password:
BECOME password[defaults to SSH password]:

PLAY [start apache2 server] *****

TASK [Gathering Facts] *****
ok: [bryan@192.168.1.47]
ok: [bryan@192.168.1.49]
ok: [bryan@192.168.1.48]

TASK [start apache2 service] *****
ok: [bryan@192.168.1.49]
ok: [bryan@192.168.1.47]
ok: [bryan@192.168.1.48]

PLAY RECAP *****
bryan@192.168.1.47      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.48      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0
bryan@192.168.1.49      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
                        ignored=0

```

6. `AnsibleStopServers.yml` to stop the servers

```

bryan@bryan-VirtualBox:~/Documents$ ansible-playbook -k -K ansibleStopServers.yml
SSH password:
BECOME password[defaults to SSH password]:

PLAY [stop apache2 server] *****

TASK [Gathering Facts] *****
ok: [bryan@192.168.1.49]
ok: [bryan@192.168.1.47]
ok: [bryan@192.168.1.48]

TASK [stop apache2 service] *****
changed: [bryan@192.168.1.49]
changed: [bryan@192.168.1.48]
changed: [bryan@192.168.1.47]

PLAY RECAP *****
bryan@192.168.1.47      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
  ignored=0
bryan@192.168.1.48      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
  ignored=0
bryan@192.168.1.49      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0
  ignored=0

```

ALSO SEE: The HTML file being served correctly from port 8080 in server with IP of `192.168.1.47`

