

Ansible Assignment 3

Successfully set up an Ansible cluster with the controller running Ubuntu, 2 nodes running Amazon Linux 2 and 2 other nodes running Ubuntu.

Session ID: admin-0003be8b8271f11ac Instance ID: i-0cc943878d67db391 Terminate

```
for more information.
10.0.1.220 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "ping": "pong"
}
[WARNING]: Platform linux on host 10.0.1.191 is using the discovered Python interpreter at /usr/bin/python, but future i
for more information.
10.0.1.191 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "ping": "pong"
}
10.0.1.133 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
10.0.1.46 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
}
root@ip-10-0-1-155:/etc/ansible#
```

Setting up the playbook

Session ID: admin-0003be8b8271f11ac Instance ID: i-0cc943878d67db391

```
# PLAY0
- name: Ping all nodes.
  hosts: all

  tasks:
    - name: Ping all the nodes to check if correctly set up
      ansible.builtin.ping:

# PLAY1
- name: Installing Apache on the Amazon Linux nodes.
  hosts: amazonlinuxservers

  tasks:
    - name: Updating all Apache packages on the Server
      ansible.builtin.yum:
        name: '*'
        state: latest
    - name: Installing the latest version of Apache on the Server
      ansible.builtin.yum:
        name: httpd
        state: latest
    - name: Starting Apache
      ansible.builtin.service:
        name: httpd
        state: started
    - name: Enabling Apache on boot up run
      ansible.builtin.service:
        name: httpd
        enabled: yes
    - name: Copy index.html file from the controller to the nodes
      ansible.builtin.copy:
        src: /root/index.html
        dest: /var/www/html/

# PLAY2
- name: Installing GIT on ubuntu servers.
  hosts: ubuntu servers

  tasks:
    - name: Installing GIT on all nodes in the inventory file
      ansible.builtin.yum:
        name: git
        state: present
```

Setting up the index.html file

```
Setting up an Ansible cluster with the controller running Ubuntu, 2 nodes running Amazon Linux 2 and 2 other nodes running Ubuntu.
```

Running the playbook – Success!

Session ID: admin-054bf636ccc684bab Instance ID: i-0cc943878d67db391 Terminate

```
root@ip-10-0-1-155:~# ansible-playbook ansible3-playbook.yml

PLAY [Ping all nodes.] *****

TASK [Gathering Facts] *****
ok: [10.0.1.46]
ok: [10.0.1.133]
[WARNING]: Platform linux on host 10.0.1.191 is using the discovered Python interpreter at /usr/bin/python, but future i
for more information.
ok: [10.0.1.191]
[WARNING]: Platform linux on host 10.0.1.220 is using the discovered Python interpreter at /usr/bin/python, but future i
for more information.
ok: [10.0.1.220]

TASK [Ping all the nodes to check if correctly set up] *****
ok: [10.0.1.191]
ok: [10.0.1.220]
ok: [10.0.1.46]
ok: [10.0.1.133]

PLAY [Installing Apache on the Amazon Linux nodes.] *****

TASK [Gathering Facts] *****
ok: [10.0.1.191]
ok: [10.0.1.220]

TASK [Updating all Apache packages on the Server] *****
ok: [10.0.1.191]
ok: [10.0.1.220]

TASK [Installing the latest version of Apache on the Server] *****
ok: [10.0.1.220]
ok: [10.0.1.191]

TASK [Starting Apache] *****
ok: [10.0.1.191]
ok: [10.0.1.220]

TASK [Enabling Apache on boot up run] *****
ok: [10.0.1.220]
ok: [10.0.1.191]

TASK [Copy index.html file from the controller to the nodes] *****
ok: [10.0.1.191]
ok: [10.0.1.220]

PLAY [Installing GIT on ubuntu servers.] *****

TASK [Gathering Facts] *****
ok: [10.0.1.46]
ok: [10.0.1.133]

TASK [Installing GIT on all nodes in the inventory file] *****
ok: [10.0.1.46]
ok: [10.0.1.133]

PLAY RECAP *****
10.0.1.133      : ok=4    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
10.0.1.191     : ok=8    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
10.0.1.220     : ok=8    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
10.0.1.46      : ok=4    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

