Ansible Assignment 2

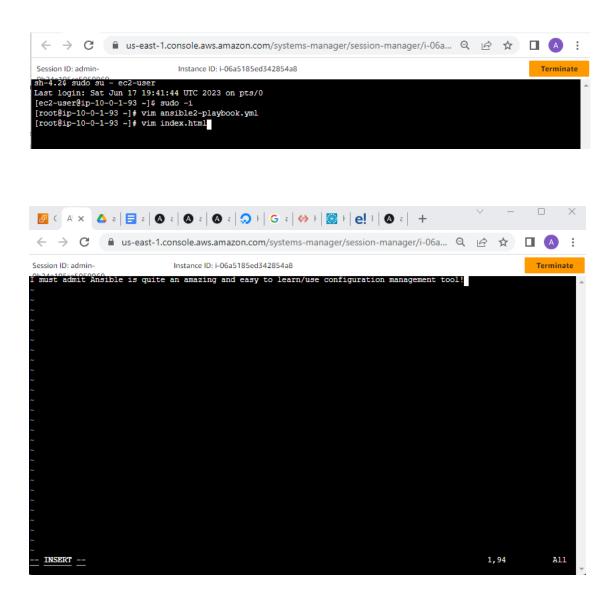
Successfully set up an Ansible cluster with the controller running Amazon Linux 2, 2 nodes running Amazon Linux 2 and 2 other nodes running Ubuntu.

```
← → C
                 🗎 us-east-1.console.aws.amazon.com/systems-manager/session-manager/i-06a... 🍳 😥 🖈 🔲 🛕
Session ID: admin-
                               Instance ID: i-06a5185ed342854a8
                                                                                                                Terminate
10.0.1.191
10.0.1.220
 [ubuntuservers]
 10.0.1.133
 10.0.1.46
# If you have multiple hosts following a pattern you can specify
# them like this:
## www[001:006].example.com
# Ex 3: A collection of database servers in the 'dbservers' group
## [dbservers]
## db01.intranet.mydomain.net
## db02.intranet.mydomain.net
## 10.25.1.56
## 10.25.1.57
# Here's another example of host ranges, this time there are no
# leading Os:
## db-[99:101]-node.example.com
[root@ip-10-0-1-93 ansible] # ansible -m ping all
[WARNING]: Platform linux on host 10.0.1.220 is using the discovered Python interpreter at /usr/bin/python, but futu
for more information.
        "discovered interpreter python": "/usr/bin/python"
   },
"changed": false,
[WARNING]: Platform linux on host 10.0.1.191 is using the discovered Python interpreter at /usr/bin/python, but futu
for more information.
    "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
    },
"changed": false,
[root@ip-10-0-1-93 ansible]#
```

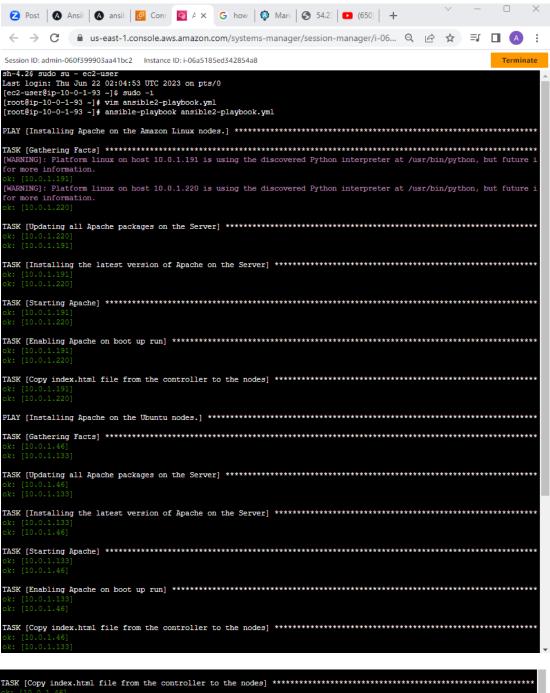
ansible2-playbook.yml" 62L, 1651B

```
← → C 🕯 us-east-1.console.aws.amazon.com/systems-manager/session-manager/i-06a... Q 😥 🖈 🔲 🗛
 Session ID: admin-
                                  Instance ID: i-06a5185ed342854a8
                                                                                                                        Terminate
Sh-4.25 sudo su - ec2-user
Last login: Sat Jun 17 19:41:44 UTC 2023 on pts/0
[ec2-user@ip-10-0-1-93 ~]$ sudo -i
[root@ip-10-0-1-93 ~]$ vim ansible2-playbook.yml
← → C  aus-east-1.console.aws.amazon.com/systems-manager/session-manager/i-06a5185ed342854a8?region=us-east-1
                                                                           Instance ID: i-06a5185ed342854a8
Session ID: admin-060f399903aa41bc2
   osts: amazonlinuxservers
     name: Updating all Apache packages on the Server
       state: latest
     name: Installing the latest version of Apache on the Server
        name: httpd
       state: latest
    - name: Starting Apache
       name: httpd
       state: started
    - name: Enabling Apache on boot up run
       name httpd
enabled yes
     name: Copy index.html file from the controller to the nodes
        src: /root/index.html
        dest: /var/www/html/
 name: Installing Apache on the Ubuntu nodes.
 hosts: ubuntuservers
    name: Updating all Apache packages on the Server
       state: latest
    - name: Installing the latest version of Apache on the Server
        name: apache2
       state: latest
    name: Starting Apache
       name: apache2
        state: started
     name: Enabling Apache on boot up run
       name: apache2
enabled: yes
     name: Copy index.html file from the controller to the nodes
        src: /root/index.html
       dest: /var/www/html/
 name: Installing GIT on all nodes.
    - name: Installing GIT on all nodes in the inventory file
     ansible.builtin.yum:
   name: git
```

Creating and setting up my index.html on the controller



Running the playbook to confirm whether Apache and Git were successfully deployed and launched. Success!



```
TASK [Installing GIT on all nodes in the inventory file] ************************
: ok=8 changed=0 unreachable=0
                          failed=0 skipped=0 rescued=0
                                        ignored=0
                          failed=0
                               skipped=0
                   unreachable=0
                                         ignored=0
                               skipped=0
                   unreachable=0
                          failed=0
                                    rescued=0
                                         ignored=0
                  unreachable=0
          : ok=8 changed=0
                          failed=0
                               skipped=0
                                    rescued=0
                                         ignored=0
root@ip-10-0-1-93 ~]#
```

Checking Apache was successfully deployed on the nodes – successful as shown on example below (all 4 nodes show the message below)

