

## Homework 2 Ansible

### 1-Ubuntu controller and ubuntu & amazon nodes

Instance state = running X		Clear filters						
<input type="checkbox"/>	Name ▾	Instance ID	Instance state ▾	Inst... ▾	Status check	Alarm status	Availability Zone ▾	
<input type="checkbox"/>	ubuntu-Ansible controller	i-0000a448f63648f4b	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	
<input type="checkbox"/>	ubuntu-node1	i-057af6734b6e95cba	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	
<input type="checkbox"/>	ubuntu-node2	i-043267fb4d95c926a	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	
<input type="checkbox"/>	Amazon-Ansible-Node1	i-0f85e0e0fac617fb4	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	
<input type="checkbox"/>	Amazon-Ansible-Node2	i-0486b7d827f6177db	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	

### 2-PLAY1 - configure apache on amazon linux 2 hosts

```
- name: Install the latest version of Apache # yum install httpd -y
ansible.builtin.yum:
  name: httpd
  state: latest
- name: Start service httpd, if not started # systemctl start httpd
ansible.builtin.service:
  name: httpd
  state: started
- name: Enable service httpd at server launch # systemctl enable httpd
ansible.builtin.service:
  name: httpd
  enabled: yes
- name: Copy file index.html from the controller to the nodes at /var/www/html
ansible.builtin.copy:
  src: /root/web/index.html
  dest: /var/www/html/

- name: Install git
yum:
  name: git
  state: present
  update_cache: yes

- name: Setting up apache webserver on amazon linux servers
hosts: ubuntu-nodes

tasks:
- name: Update all packages to their latest version
ansible.builtin.apt:
  name: "*"
  state: latest
- name: Install apache httpd (state=present is optional)
ansible.builtin.apt:
  name: apache2
  state: latest
- name: Start service httpd, if not started # systemctl start httpd
ansible.builtin.service:
  name: httpd
  state: started
- name: Enable service httpd at server launch # systemctl enable httpd
ansible.builtin.service:
  name: httpd
  enabled: yes
- name: Copy file index.html from the controller to the nodes at /var/www/html
```

```

-rw-r--r-- 1 root root 161 Jul 9 2019 .profile
drwx----- 2 root root 4096 Jan 15 04:52 .ssh/
-rw-r--r-- 1 root root 0 Jan 15 04:08 .sudo_as_admin_successful
-rw----- 1 root root 14957 Jan 17 05:51 .viminfo
drwx----- 4 root root 4096 Jan 10 02:21 snap/
drwxr-xr-x 2 root root 4096 Jan 17 05:51 web/
drwxr-xr-x 2 root root 4096 Jan 17 05:18 webserver/
root@ansible-controller:~# cd web
root@ansible-controller:~/web# vi web
root@ansible-controller:~/web# sudo -i
root@ansible-controller:~#
root@ansible-controller:~# cd webserver/
root@ansible-controller:~/webserver# ansible-playbook webserver-apache-config-playbook.yml
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details

PLAY [Setting up apache webserver on amazon linux servers] *****

TASK [Gathering Facts] *****
ok: [10.0.1.123]
ok: [10.0.1.12]

TASK [Update all packages to their latest version] *****
ok: [10.0.1.123]
changed: [10.0.1.12]

TASK [Install apache httpd (state=present is optional)] *****
ok: [10.0.1.12]
ok: [10.0.1.123]

TASK [Start service httpd, if not started] *****
ok: [10.0.1.12]
ok: [10.0.1.123]

TASK [Enable service httpd at server launch] *****
ok: [10.0.1.12]
ok: [10.0.1.123]

TASK [Copy file index.html from the controller to the nodes at /var/www/html] *****
ok: [10.0.1.12]
ok: [10.0.1.123]

TASK [Install git] *****
ok: [10.0.1.12]
ok: [10.0.1.123]

PLAY RECAP *****
10.0.1.12 : ok=7 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
10.0.1.123 : ok=7 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

root@ansible-controller:~/webserver#

```

```
name: install git
yum:
  name: git
  state: present
  update_cache: yes

root@ansible-controller:~/web# vi webserver-apache-config-playbook.yml
root@ansible-controller:~/web# ansible-playbook webserver-apache-config-playbook.yml
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details

PLAY [Setting up apache webserver on amazon linux servers] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 10.0.1.203 is using the discovered Python interpreter at /usr/bin/python3.7, but future
installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.13/reference_appendices/interpreter_discovery.html for more information.
ok: [10.0.1.203]
[WARNING]: Platform linux on host 10.0.1.174 is using the discovered Python interpreter at /usr/bin/python3.7, but future
installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.13/reference_appendices/interpreter_discovery.html for more information.
ok: [10.0.1.174]

TASK [Upgrade all packages on the servers] *****
ok: [10.0.1.174]
ok: [10.0.1.203]

TASK [Install the latest version of Apache] *****
ok: [10.0.1.203]
ok: [10.0.1.174]

TASK [Start service httpd, if not started] *****
ok: [10.0.1.203]
ok: [10.0.1.174]

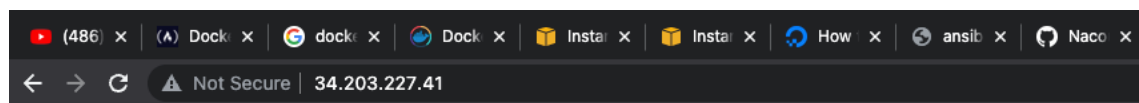
TASK [Enable service httpd at server launch] *****
ok: [10.0.1.203]
ok: [10.0.1.174]

TASK [Copy file index.html from the controller to the nodes at /var/www/html] *****
ok: [10.0.1.174]
ok: [10.0.1.203]

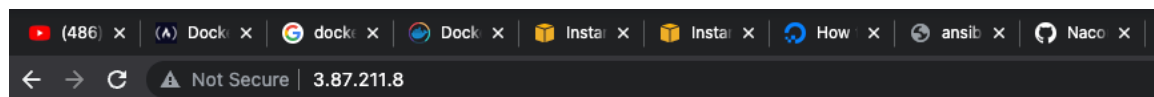
TASK [Install git] *****
changed: [10.0.1.203]
changed: [10.0.1.174]

PLAY RECAP *****
10.0.1.174      : ok=7    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
10.0.1.203      : ok=7    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ansible-controller:~/web#
```



Nacouban is building his second playbook with ubuntu servers!!



Nacouban built his playbook!

GitHub link: <https://github.com/Nacouban/Ansible-Repository.git>

