

# Bo Lontum

## Project2-ansible-player

### Ansible players

#### Project-Name



Setup an ansible controller (**Ubuntu**) and four clients (2 linux AMZ and 2 Ubuntu).



Verify that your set up is correct by using the ad-hoc cmd **PING** module.



Write a playbook with **TWO** plays:

- **PLAY1** – Deploy an Apache webserver with a message of your choice on the **Ubuntu clients**.
- **PLAY2** – Write a task to install **GIT** on all your Ubuntu Clients.
- **PLAY3** – Write a task using **DEBUG** module to display your name on **ALL** hosts. Leverage a variable to contain your name.

**SUBMISSION:** have your playbook in your **github** and also have screenshot with result in a word or PDF file.

**IMPORTANT:** Please **re-watch entirely** the video for properly setup your controller and clients as well as deploying Apache on Ubuntu clients.

Please work step by step to make sure you understand what you're doing. Don't hesitate to reach out to your fellow student or teachers.



#### 1) Setting up ansible controller Ubuntu and four clients

<input type="checkbox"/>	Name	Instance ID	Instance state	Instanc...	Status check	Alarm status	Availabi...	Public IPv4...	Public IPv4 address
<input type="checkbox"/>	amazon-linux-in...	i-0ca8460a0a9b54...	Running	t2.micro	2/2 checks p...	<a href="#">View alarms</a>	us-east-1b	ec2-18-207-2...	18.207.222.250
<input type="checkbox"/>	amazon-linux-in...	i-03c1158c0d0fad3...	Running	t2.micro	2/2 checks p...	<a href="#">View alarms</a>	us-east-1b	ec2-52-55-94-...	52.55.94.180
<input type="checkbox"/>	ubuntu-instance...	i-0942c2485f7d2aa...	Running	t2.micro	2/2 checks p...	<a href="#">View alarms</a>	us-east-1a	ec2-54-236-3...	54.236.34.67
<input type="checkbox"/>	ubuntu-instance1	i-03e4d43c2c9a49...	Running	t2.micro	2/2 checks p...	<a href="#">View alarms</a>	us-east-1a	ec2-18-204-2...	18.204.214.213
<input type="checkbox"/>	ubuntu-instance2	i-0366e51c58af07fb0	Running	t2.micro	2/2 checks p...	<a href="#">View alarms</a>	us-east-1a	ec2-44-193-0-...	44.193.0.0

#### 2) Verifying with ad-hoc command PING module.

```

10.0.1.117 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.9"
  },
  "changed": false,
  "ping": "pong"
}
[WARNING]: Platform linux on host 10.0.1.155 is using the discovered Python interpreter at /usr/bin/python3.9, but future
installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.16/reference_appendices/interpreter_discovery.html for more information.
10.0.1.155 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.9"
  },
  "changed": false,
  "ping": "pong"
}
10.0.0.201 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
10.0.0.94 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
root@ansible-controller:~# █

```

### 3) Player deploying an Apache webserver page(ubuntu)

```

PLAY [Deploy Apache webserver on Ubuntu clients] *****
TASK [Gathering Facts] *****
ok: [10.0.0.94]
ok: [10.0.0.201]

TASK [Update all packages on the server] *****
changed: [10.0.0.201]
changed: [10.0.0.94]

TASK [Install Apache web server] *****
changed: [10.0.0.201]
changed: [10.0.0.94]

TASK [Start Apache service] *****
ok: [10.0.0.201]
ok: [10.0.0.94]

TASK [Enable Apache to start on boot] *****
ok: [10.0.0.201]
ok: [10.0.0.94]

TASK [Copy index file to the clients] *****
changed: [10.0.0.201]
changed: [10.0.0.94]

PLAY [Install Git on Ubuntu clients] *****

```

#### 4) Installing git on all ubuntu

```
PLAY [Install Git on Ubuntu clients] *****
TASK [Gathering Facts] *****
ok: [10.0.0.201]
ok: [10.0.0.94]

TASK [Install Git] *****
ok: [10.0.0.94]
ok: [10.0.0.201]

PLAY [Display my name on all hosts] *****
TASK [Gathering Facts] *****
ok: [10.0.0.201]
ok: [10.0.0.94]
```

#### 5) Debug module displaying Bo lontum

```
PLAY [Display my name on all hosts] *****
TASK [Gathering Facts] *****
ok: [10.0.0.201]
ok: [10.0.0.94]
ok: [10.0.1.117]
ok: [10.0.1.155]

TASK [Display my name using debug] *****
ok: [10.0.0.201] => {
  "msg": "My name is Bo Lontum"
}
ok: [10.0.0.94] => {
  "msg": "My name is Bo Lontum"
}
ok: [10.0.1.117] => {
  "msg": "My name is Bo Lontum"
}
ok: [10.0.1.155] => {
  "msg": "My name is Bo Lontum"
}
```

#### 6 index.html browser

Bo lontum has rounded up with assignment2 on ansible