



Module 5: Ansible Assignment - 3

Tasks To Be Performed:

1. Create 2 Ansible roles
2. Install Apache2 on slave1 using one role and NGINX on slave2 using the other role
3. Above should be implemented using different Ansible roles

☰

EC2 > Instances > Launch an instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

ansible-master

Add additional tags

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

🔍 Search our full catalog including 1000s of application and OS images

Recents

Quick Start

▼ Summary

Number of instances [Info](#)

3

When launching more than 1 instance, [consider EC2 Auto Scaling](#)

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...[read more](#)

ami-0a0e5d9c7acc336f1

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GiB

📘 Free tier: In your first year includes

×

Cancel

Launch instance

[Review commands](#)

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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Quick Start

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macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE

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Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type

Free tier eligible

ami-0a0e5d9c7acc336f1 (64-bit (x86)) / ami-070f589e4b4a3fece (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 22.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

Architecture

AMI ID

64-bit (x86)

ami-0a0e5d9c7acc336f1

Verified provider

▼ Instance type

Info | Get advice

Instance type

▼ Summary

Number of instances

Info

3

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EC2

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Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

Free tier eligible

⚙️ All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

sujith123

🔄 Create new key pair

▼ Network settings Info

Network Info

vpc-06a980b08a54688af

Subnet Info

Edit

▼ Summary

Number of instances Info

3

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-0a0e5d9c7acc336f1

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A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Common security groups Info

Select security groups

default sg-06d9c74e80448682b
VPC: vpc-06a980b08a54688af

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Configure storage Info

Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information

Summary

Number of instances Info

3

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more
ami-0a0e5d9c7acc336f1

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GiB

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Launch instance

Review commands



EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instances ([i-0fbad4cbf956dadbb](#), [i-000bf52dd2882dee6](#), [i-02641b2d7dad090af](#))

▶ Launch log

Next Steps

What would you like to do next with these instances, for example "create alarm" or "create backup" 1 2 3 4 5 6

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Learn more

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create a new RDS database

Learn more

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy

Connect to your instance i-000bf52dd2882dee6 (ansible-master) using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console



All ports are open to all IPv4 addresses in your security group

All ports are currently open to all IPv4 addresses, indicated by **All** and **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. [Learn more](#).

Instance ID

i-000bf52dd2882dee6 (ansible-master)

Connection Type



Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.



Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

3.85.86.205

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu





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Instance ID

i-02641b2d7dad090af (ansible-01)

Connection Type



Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.



Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

54.208.34.181

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu



Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect



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EC2 Instance Connect

Session Manager

SSH client

EC2 serial console



All ports are open to all IPv4 addresses in your security group

All ports are currently open to all IPv4 addresses, indicated by **All** and **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. [Learn more](#).

Instance ID

i-0fbad4cbf956dadbb (ansible-02)

Connection Type



Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.



Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

3.92.50.57

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu



Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.



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The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
ubuntu@ip-172-31-90-102:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1855 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [334 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [17.7 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2188 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [375 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [604 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1108 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [258 kB]
```

i-081c2fec4f46d3fff (ansible-master)

PublicIPs: 3.91.145.88 PrivateIPs: 172.31.90.102



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```
Adding deb entry to /etc/apt/sources.list.d/ansible-ubuntu-ansible-jammy.list
Adding disabled deb-src entry to /etc/apt/sources.list.d/ansible-ubuntu-ansible-jammy.list
Adding key to /etc/apt/trusted.gpg.d/ansible-ubuntu-ansible.gpg with fingerprint 6125E2A8C77F2818FB7BD15B93C4A3FD7BB9C367
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Get:5 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu jammy InRelease [18.0 kB]
Get:6 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu jammy/main amd64 Packages [1120 B]
Get:7 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu jammy/main Translation-en [752 B]
Fetched 19.9 kB in 1s (19.1 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-90-102:~$ sudo apt install ansible
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ansible-core python3-jmespath python3-kerberos python3-nacl python3-ntlm-auth python3-packaging python3-paramiko
  python3-requests-kerberos python3-requests-ntlm python3-resolvelib python3-winrm python3-xlrd python3-xlsxwriter sshpass
Suggested packages:
  python3-nacl-doc python3-gssapi python3-invoke
The following NEW packages will be installed:
  ansible ansible-core python3-jmespath python3-kerberos python3-nacl python3-ntlm-auth python3-packaging python3-paramiko
  python3-requests-kerberos python3-requests-ntlm python3-resolvelib python3-winrm python3-xlrd python3-xlsxwriter sshpass
0 upgraded, 14 newly installed, 0 to remove and 19 not upgraded.
Need to get 18.4 MB of archives.
After this operation, 202 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-packaging all 21.3-1 [30.7 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-resolvelib all 0.8.1-1 [23.6 kB]
```

i-081c2fec4f46d3fff (ansible-master)

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```
o + B +.*
=.o=oO. =
.o+ooB=o++
..+==+=o.o+
+----[SHA256]-----+
ubuntu@ip-172-31-90-102:~$ sudo cat /home/ubuntu/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDJ0HShiHHFM9ni05CN7UurlTXDZCymn3eUhPvWhjhkXFnCBP18Q9DaxNwZaD1zq01yy06sT9LdIHzaEwpkw3yT7vrIaB415jWhRbta
E+cff8pKNs/Oa1fx7eRvzHJx316Ou6sow9CRgb19BtJwwIV1LjQBehBek1aF49fg+hWnQMbvXZCyaqrqzcZTUybaZa6fz51ViG/0F+czp122ddcqDWX2J+1L7LXuD+AFjYS5a+IQypF
nAZgSmouKIoNDcnxJdlb/9/OypoY3EzzI+e5NMoLsPUySDeVShxMLop+va3B0JKmRKiIN0Q+A3o5kawBQGCih0VY7WD1i9cA4Eks3yHSDI0KNCyWafVPw9RaRLIFFGvkGldQk3EMYkY
LWs02+vyjjs4Py42nPpaxVvPjmoVa6VwXP55CM3MmPgucx6VvValPZO18QuqBg1Kb/svhbZYtGn144ypvOtNHGsGM9IR4A8dqmkiwqnCe79SK15f3KQY03Nrn+jz9Nf13oKuiM= ubu
ntu@ip-172-31-90-102
ubuntu@ip-172-31-90-102:~$ cd /etc/ansible
ubuntu@ip-172-31-90-102:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-90-102:/etc/ansible$ cd hosts
-bash: cd: hosts: Not a directory
ubuntu@ip-172-31-90-102:/etc/ansible$ sudo nano hosts
ubuntu@ip-172-31-90-102:/etc/ansible$ ansible -m ping all
The authenticity of host '172.31.86.224 (172.31.86.224)' can't be established.
ED25519 key fingerprint is SHA256:yJ2ebQaeKpldlJfZaJmxAgA40jyEQuxytMCdzDv4poc.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
172.31.86.224 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-31-90-102:/etc/ansible$ sudo nano hosts
```

i-081c2fec4f46d3fff (ansible-master)

PublicIPs: 3.91.145.88 PrivateIPs: 172.31.90.102



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```
ubuntu@ip-172-31-90-102
ubuntu@ip-172-31-90-102:~$ cd /etc/ansible
ubuntu@ip-172-31-90-102:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-90-102:/etc/ansible$ cd hosts
-bash: cd: hosts: Not a directory
ubuntu@ip-172-31-90-102:/etc/ansible$ sudo nano hosts
ubuntu@ip-172-31-90-102:/etc/ansible$ ansible -m ping all
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ED25519 key fingerprint is SHA256:yJ2ebQaeKpldlJfZaJmxAgA40jyEQuxytMCdzDv4poc.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
172.31.86.224 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-31-90-102:/etc/ansible$ sudo nano hosts
ubuntu@ip-172-31-90-102:/etc/ansible$ ansible -m ping all
The authenticity of host '172.31.95.99 (172.31.95.99)' can't be established.
ED25519 key fingerprint is SHA256:JnHvx8YK9vf8N/mNyq8rGLg5xHpwyATmTXNQObRPdhY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? 172.31.86.224 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
```

i-081c2fec4f46d3fff (ansible-master)

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```
ubuntu@ip-172-31-90-102:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-31-90-102:/etc/ansible$ cd roles
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ ls
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ ls
apache  nginx
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ cd apache
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache/tasks$ ls
install.yaml  main.yml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/apache/tasks$ cd ../../
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ ls
main.yml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ sudo nano install.yaml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ sudo nano main.yml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ cd ../../
```

i-081c2fec4f46d3fff (ansible-master)

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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-081c2fec4f46d3fff&osUser=ubuntu&sshPort=...

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🖱️ EC2

playbook: play3.yaml

ubuntu@ip-172-31-90-102:/etc/ansible\$ ansible-playbook play3.yaml --check

PLAY [executing apache role slave1] *****

TASK [Gathering Facts] *****

ok: [172.31.86.224]

TASK [apache : include_tasks] *****

included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.86.224

TASK [apache : installing apache2] *****

changed: [172.31.86.224]

PLAY [executing nginx role slave2] *****

TASK [Gathering Facts] *****

ok: [172.31.95.99]

TASK [nginx : include_tasks] *****

included: /etc/ansible/roles/nginx/tasks/install.yaml for 172.31.95.99

TASK [nginx : installing nginx] *****

changed: [172.31.95.99]

PLAY RECAP *****

172.31.86.224 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

172.31.95.99 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-90-102:/etc/ansible\$

i-081c2fec4f46d3fff (ansible-master)

PublicIPs: 3.91.145.88 PrivateIPs: 172.31.90.102

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ok: [172.31.95.99]

TASK [nginx : include_tasks] *****
included: /etc/ansible/roles/nginx/tasks/install.yaml for 172.31.95.99

TASK [nginx : installing nginx] *****
changed: [172.31.95.99]

PLAY RECAP *****
172.31.86.224 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
172.31.95.99 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

```
ubuntu@ip-172-31-90-102:/etc/ansible$ cd roles
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ ls
apache  nginx
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ cat install.yaml
cat: install.yaml: No such file or directory
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ cat install.yaml
cat: install.yaml: No such file or directory
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ ls
install.yaml  main.yaml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ cat install.yaml
---
- name: installing nginx
  apt: name=nginx state=latest
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$
```

i-081c2fec4f46d3fff (ansible-master)

PublicIPs: 3.91.145.88 PrivateIPs: 172.31.90.102



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N. Virginia ▾

rsujithsri16@gmail.com ▾



EC2

```
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ ls
apache  nginx
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ cat install.yaml
cat: install.yaml: No such file or directory
ubuntu@ip-172-31-90-102:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ cat install.yaml
cat: install.yaml: No such file or directory
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ ls
install.yaml  main.yml
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ cat install.yaml
---
- name: installing nginx
  apt: name=nginx state=latest
ubuntu@ip-172-31-90-102:/etc/ansible/roles/nginx/tasks$ cd ../../..
ubuntu@ip-172-31-90-102:/etc/ansible$ cat play3.yaml
---
- name: executing apache role slave1
  become: true
  hosts: slave1
  roles:
    - apache
- name: executing nginx role slave2
  become: true
  hosts: slave2
  roles:
    - nginx
ubuntu@ip-172-31-90-102:/etc/ansible$
```

i-081c2fec4f46d3fff (ansible-master)

PublicIPs: 3.91.145.88 PrivateIPs: 172.31.90.102



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Ubuntu

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.



⚠ Not Secure 52.87.229.43



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.