Demo: Hosting multiple websites on a single web server using EC2 Instance

1. Launch instance:

OS- ubuntu server 22.04 LTS

Instance type: t2.micro

Key pair: mykey1

ami-0c2af51e265bd5e0e

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Architecture

Q Search

x86_64

Virtualization

Root device

ebs

ENA Enabled

♦ □ □ □ □ □ ○ ○

Username (i)

ubuntu

Catalog

AMIs

Quick Start

Create security group: SSH, HTTP

-> Launch Instance C ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances: aws Services Q Search \equiv 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 Add additional tags server 1 → C ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances ☆ ☆ | 🔕 : Services Q Search AMI from catalog Recents Quick Start **▼** Summary Q Number of instances Info Ubuntu Server 22.04 LTS (HVM), SSD Volume Browse more AMIs Type Including AMIs from AWS, Marketplace and the Community Description Software Image (AMI) Ubuntu Server 22.04 LTS (HVM),EBS General Ubuntu Server 22.04 LTS (HVM),...read more Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services). Virtual server type (instance type) t2.micro

Deepti Doiphode ▼

Firewall (security group)

New security group

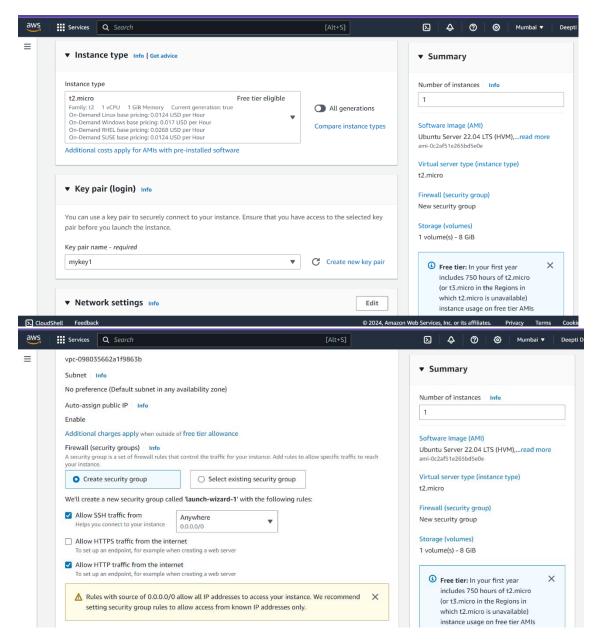
Storage (volumes)

1 volume(s) - 8 GiB

(i) Free tier: In your first year

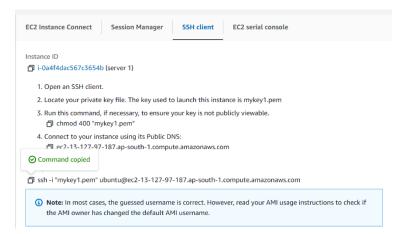
includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs (i)

a



→ Instance id ->connect ->SSH client

(copy the example below: ssh -i "mykey1.pem" ubuntu@ec2-13-127-97-187.ap-south-1.compute.amazonaws.com)



2. Go to Command Prompt:

- → And enter commands =
 - cd downloads
 (paste ssh protocol example here)
 - o Yes
 - sudo apt update -y (command to update instance)
 sudo apt upgrade -y (command to upgrade instance)

(Enter)

- sudo apt install apache 2 -y (install apache web server)
 (Enter)
- sudo apt install git -y

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-12-220:~$ sudo apt install git -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.34.1-lubuntu1.11).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
ubuntu@ip-172-31-12-220:~$ git clone https://github.com/learning-zone/website-templates
Cloning into 'website-templates'...
remote: Enumerating objects: 9322, done.
remote: Counting objects: 100% (15/15), done.
```

(Enter)

git clone https://github.com/learning-zone/website-templates (to clone repository)

ubuntu@ip-172-31-12-220:~\$ git clone https://github.com/learning-zone/website-templates

- o sudo mkdir /var/www/html/site1 (to create directory for each site)
- sudo mkdir /var/www/html/site2
- o sudo mkdir /var/www/html/site3

```
ubuntu@ip-172-31-12-220:~$ sudo mkdir /var/www/html/site1
ubuntu@ip-172-31-12-220:~$ sudo mkdir /var/www/html/site2
ubuntu@ip-172-31-12-220:~$ sudo mkdir /var/www/html/site3
ubuntu@ip-172-31-12-220:~$
```

- → Go to github and select a template -> Copy path of template
- → paste in this command in command prompt:
- → we have taken 3 website templates below: photography website

Restaurant website
Coffee shop website

(in command: sudo cp -r website-tempates/ link of website/* /var/www/html/site/ this is needed)

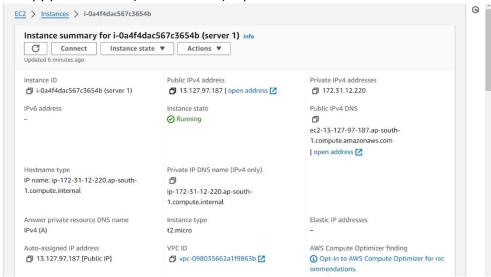
sudo cp -r website-templates/amaze-photography-bootstrap-html5-template/* /var/www/html/site1/sudo cp -r website-templates/ bestro-restaurant-bootstrap-html5-template /var/www/html/site2/sudo cp -r website-templates/coffee-shop-free-html5-template/* /var/www/html/site3/

```
ubuntu@ip-172-31-12-220:~$ sudo cp -r website-templates/amaze-photography-bootstrap-html5-template/* /var/www/html/site1
/
ubuntu@ip-172-31-12-220:~$ sudo cp -r website-templates/bestro-restaurant-bootstrap-html5-template/* /var/www/html/site2
/
ubuntu@ip-172-31-12-220:~$ sudo cp -r website-templates/coffee-shop-free-html5-template/* /var/www/html/site3/
```

sudo systemctl restart apache2

3. Instance

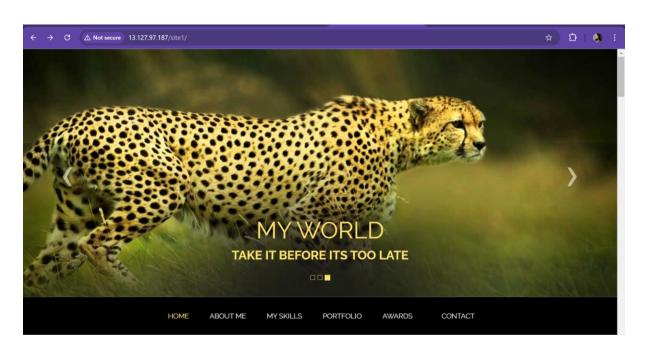
->copy public IPv4 id (13.127.97.187) & paste on Browser



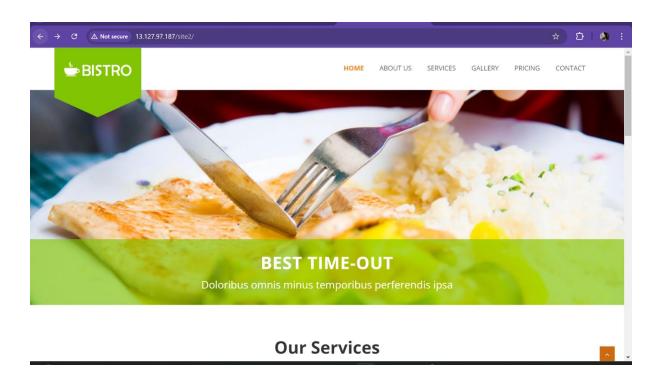
-> now edit the ip address entered in the browser:

13.127.97.187/site1/ 13.127.97.187/site2/ 13.127.97.187/site3/

SITE 1



SITE 2



SITE 3

