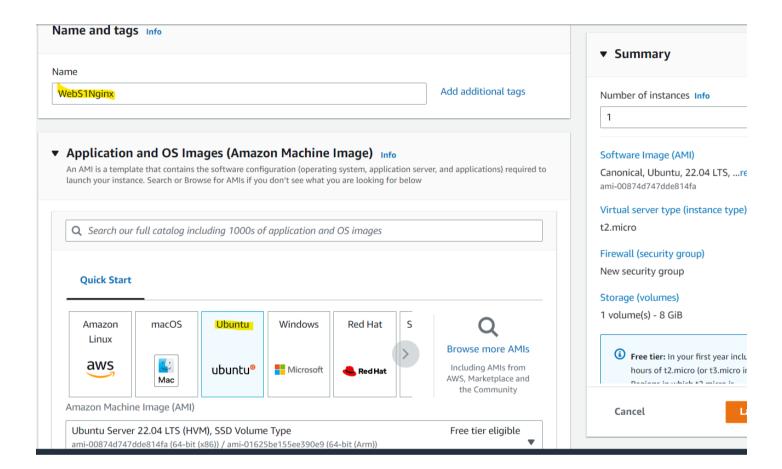
# Module-2: EC2 Assignment - 1

You have been asked to:

- 1. Create an Instance in us-east-1 (N. Virginia) region with an Ubuntu OS and install Nginx for making them web servers
- 2. Change the default website with a hello world page



## Create key pair



Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more

## Key pair name



The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.

## Key pair type

RSA

RSA encrypted private and public key pair

O ED25519

ED25519 encrypted private and public key pair (Not supported for Windows instances)

## Private key file format

o .pem

For use with OpenSSH

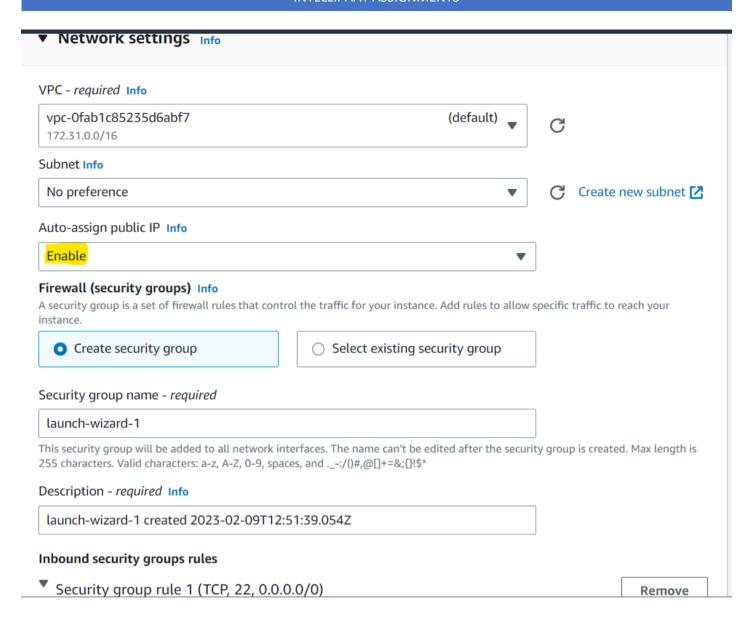
O.ppk

For use with PuTTY

Cancel

Create key pair

### **INTELLIPAAT ASSIGNMENTS**



## **▼** Summary

#### Number of instances Info

1

## Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-01-15 ami-00874d747dde814fa

### Virtual server type (instance type)

t2.micro

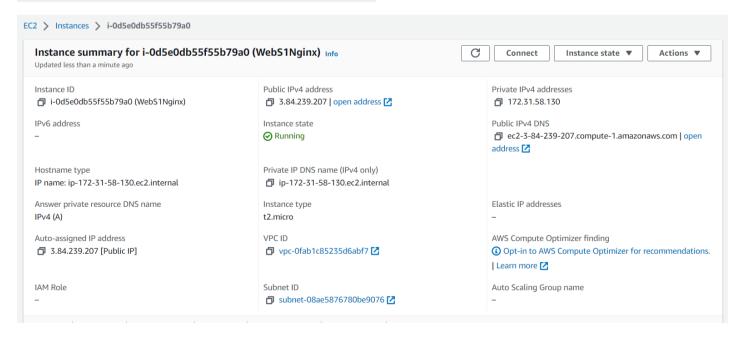
## Firewall (security group)

New security group

## Storage (volumes)

1 volume(s) - 8 GiB





#### **INTELLIPAAT ASSIGNMENTS**

```
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [622 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [130 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [8104 B]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [550 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [84.7 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [556 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [639 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [87.9 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [11.3 kB]
et:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [240 B]
Fetched 25.7 MB in 4s (6379 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
33 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-58-130:~$ sudo apt-get update
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
Reading package lists... Done
ubuntu@ip-172-31-58-130:~$ 🗍
  i-0d5e0db55f55b79a0 (WebS1Nginx)
```

PublicIPs: 3.84.239.207 PrivateIPs: 172.31.58.130

#### Installing nginx

### Command: sudo apt-get install nginx

```
Reading package lists... Done

ubuntu@ip-172-31-58-130:-$ sudo apt-get install nginx

Reading package lists... Done

Reading state information... Done

Reading state information... Done

The following additional packages will be installed:

fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3 libjbig0 libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip2 libnginx-mod-http-image-f

libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libtiff5 libwebp7 libxpm4 nginx-common nginx-core

Suggested packages:

libgd-tools fcgiwrap nginx-doc ssl-cert

The following NEW packages will be installed:

fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3 libjbig0 libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip2 libnginx-mod-http-image-f

libnginx-mod-nttp-xslt-filter libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libtiff5 libwebp7 libxpm4 nginx nginx-common nginx-core

0 upgraded, 20 newly installed, 0 to remove and 33 not upgraded.

Need to get 2689 kB of archives.

After this operation, 8335 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://us-east-l.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fontconfig-config all 2.13.1-4.2ubuntu5 [29.1 kB]

Get:2 http://us-east-l.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libdeflate0 amd64 1.10-2 [70.9 kB]

Get:3 http://us-east-l.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libdeflate0 amd64 2.13.1-4.2ubuntu5 [131 kB]

Get:5 http://us-east-l.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libfontconfig1 amd64 2.13.1-4.2ubuntu5 [131 kB]

Get:5 http://us-east-l.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libfontconfig1 amd64 2.1.2-0ubuntu1 [134 kB]
```

Viewing Hello world:

### **INTELLIPAAT ASSIGNMENTS**

```
root@ip-172-31-58-130:~# cd /var/www/html/
root@ip-172-31-58-130:/var/www/html# vi index.html
root@ip-172-31-58-130:/var/www/html# ls
index.html index.nginx-debian.html
root@ip-172-31-58-130:/var/www/html# ls -ltr
total 8
-rw-r--r-- 1 root root 612 Feb 9 13:10 index.nginx-debian.html
-rw-r--r-- 1 root root 12 Feb 9 13:27 index.html
root@ip-172-31-58-130:/var/www/html# cat index.html
Hello World
root@ip-172-31-58-130:/var/www/html# []
```

#### Webpage:



Hello World