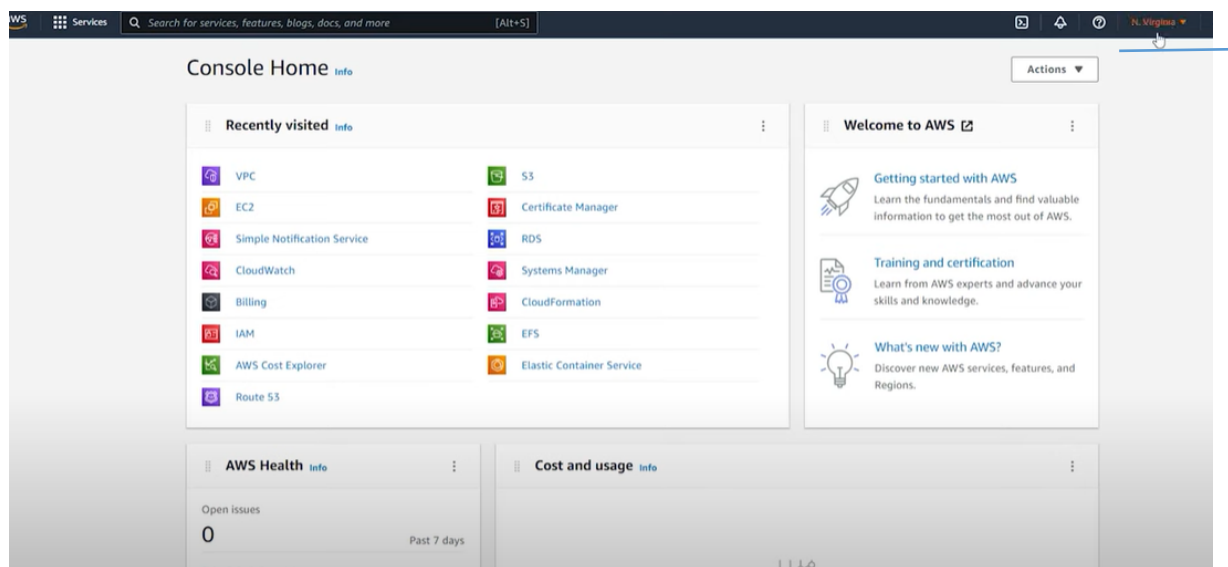


How to host website in EC2

Steps:

1. Choose your region
2. Create security group and open ports 80 and 22
3. Launch an EC2 instance(add the security group and key pair)
4. SSH into EC2 instance
5. Install the software that your website needs
6. Put the web files into HTML directory.

Choose your region

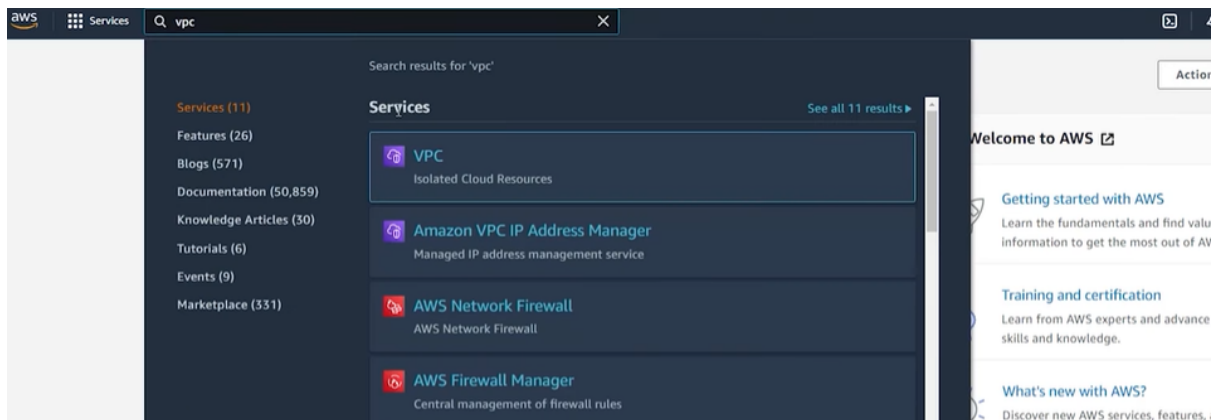


- 2) Create security group and open ports 80 and 22

Search VPC

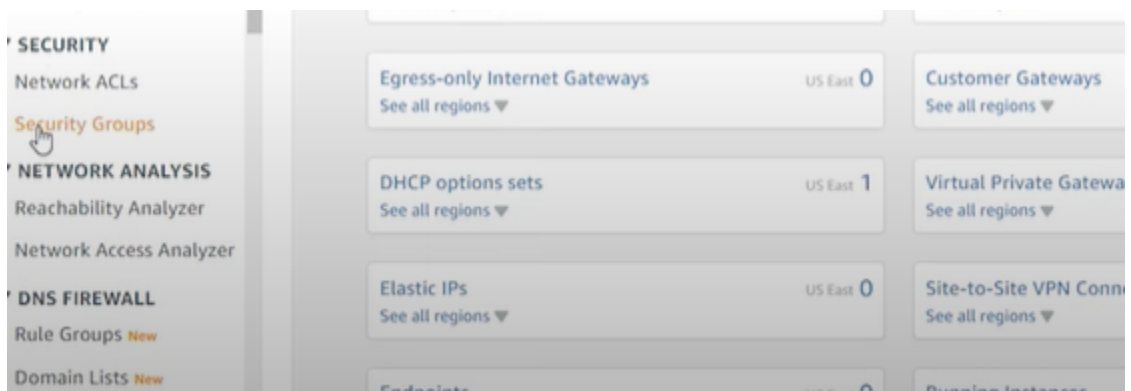


Edit with WPS Office



Select Security

Under security select security group



Create security group



Edit with WPS Office

Create security group [Info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

Inbound rules [Info](#)

This security group has no inbound rules.

Add rule

Enter security group name

Description

Default VPC



Edit with WPS Office

VPC > Security Groups > Create security group

Create security group [info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [info](#)

WebServer SG

Name cannot be edited after creation.

Description [info](#)

Allow access on ports 80 and 22

VPC [info](#)

Q |

vpc-be482cc3 172.31.0.0/16 (default) vpc-be482cc3

Inbound rules [info](#)

This security group has no inbound rules.

Add rule

Click on add rule

Add same thing as image

HTTP TCP 80 ANYWHERE IPV4 0.0.0.0/0

ADD RULE

SSH TCP 22 MYIP 108(SAME AS IMAGE)

Click on create security group on down

Inbound rules [info](#)

Type info	Protocol info	Port range info	Source info	Description - optional info	
HTTP	TCP	80	Anywhere...		Delete
			0.0.0.0/0		
SSH	TCP	22	My IP		Delete
			108.48.102.126/32		

Add rule

3) Launch an Instance

select EC2 instance

EC 2 dashboard

Launch instance

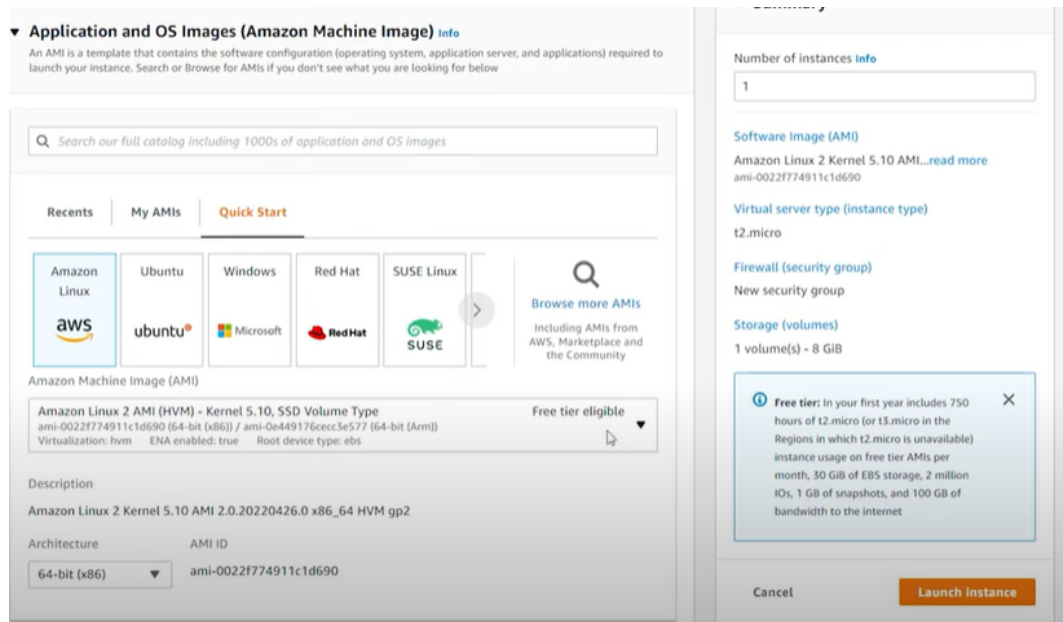
Give Name of instance

Application and OS image



Edit with WPS Office

Select quick start and select Amazon linux 2 AMI machine(SEE BELOW DIAGRAM)



Check instance type t2.micro

Select key pair

Scroll down

In network setting edit

Select default VPC

Select any subnet to launch your instance

Scroll down

Select security group- select existing security group

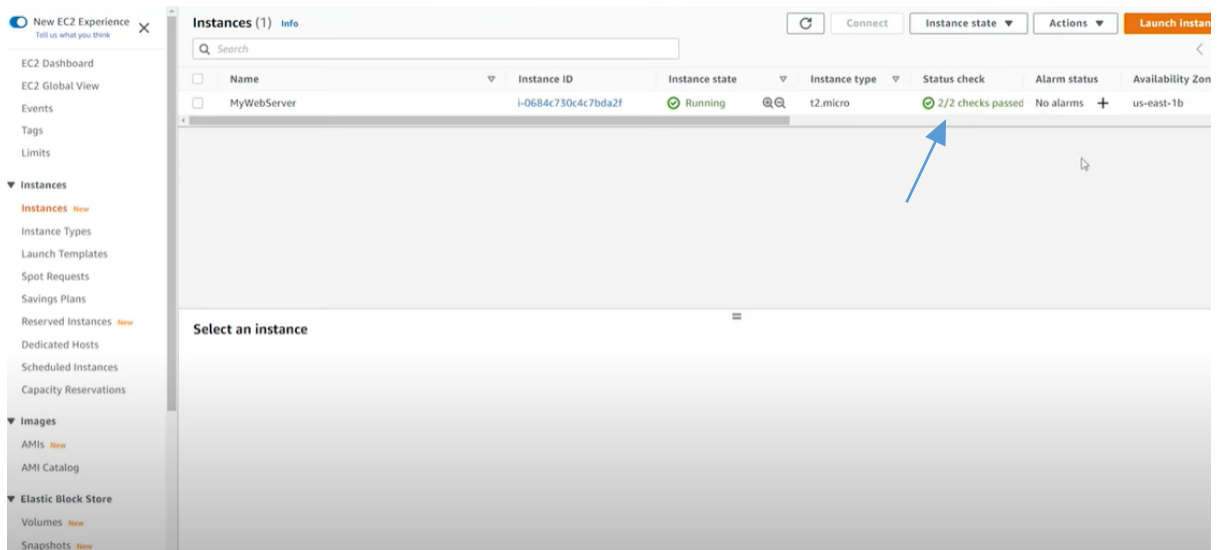
Select created security group in VPC(common security group)

Click launch instance

Click view all instance



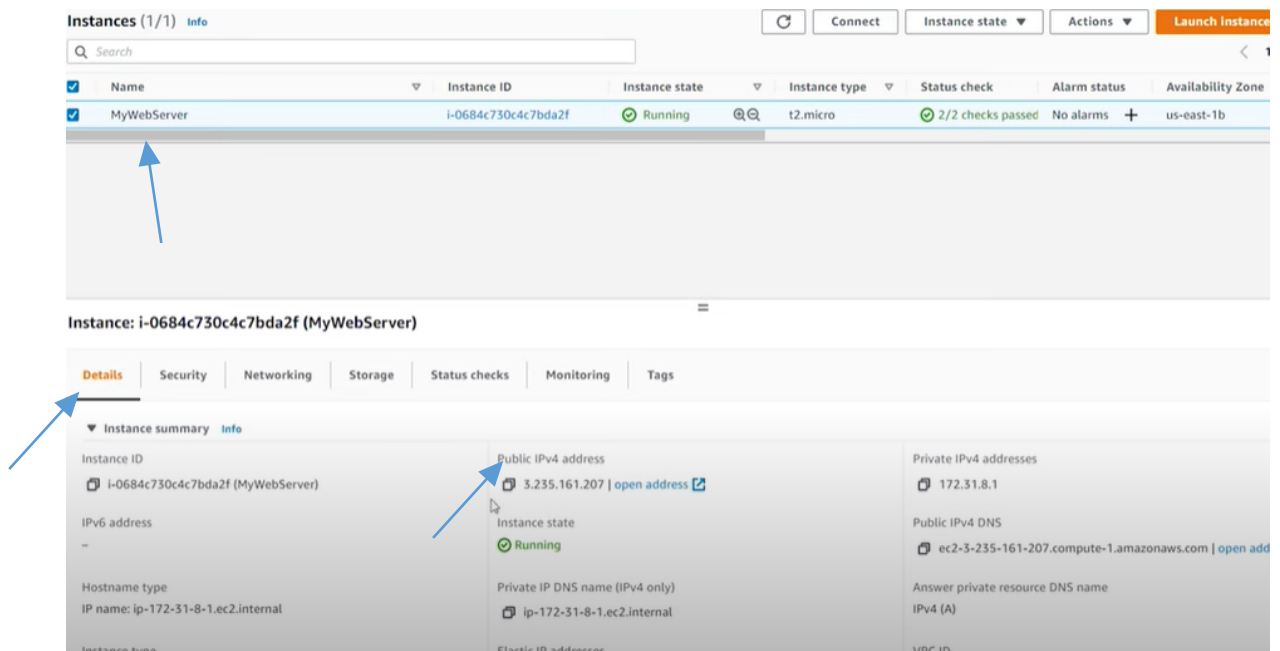
Edit with WPS Office



Click on refresh and check in status check if check has passed.(check arrow)

4) SSH into the ec2 instance

Check on EC2 instance and go to details



Copy public ipv4 address



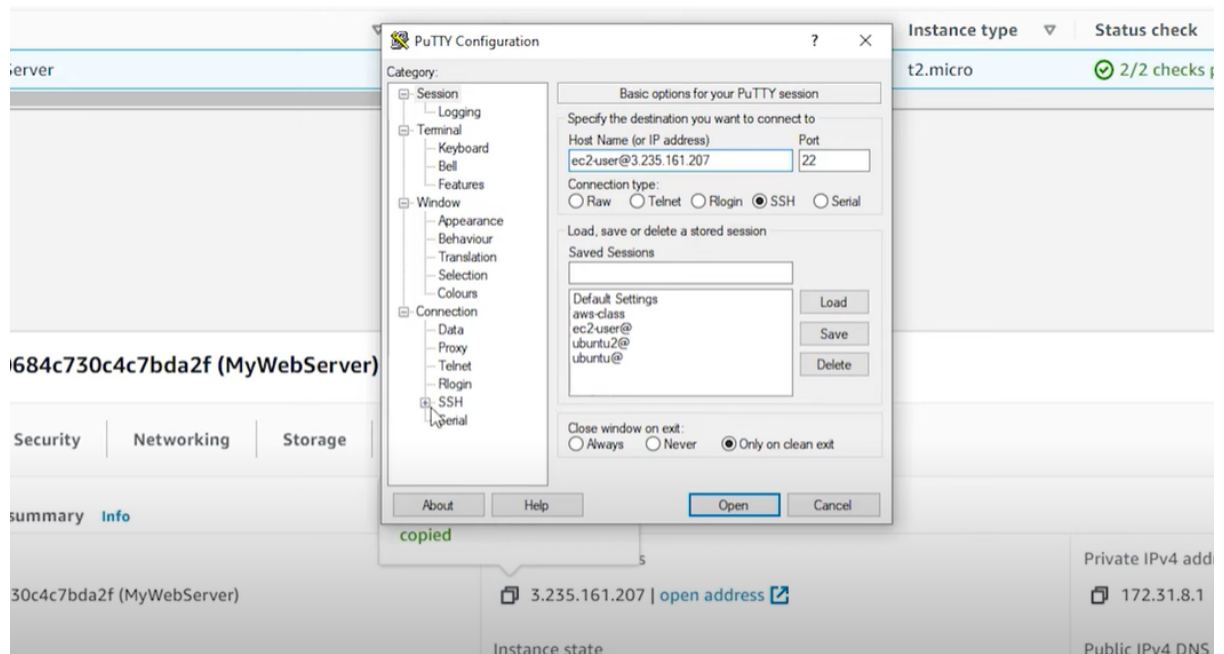
Edit with WPS Office

After open putty

Enter session

And enter

ec2-user@ copied public ip address



Select SSH

Click on auth word

Select browse and open key pair(select it)

And click on open and yes



Edit with WPS Office

The screenshot displays the AWS Management Console interface. On the left, a terminal window shows the login process for an Amazon Linux 2 instance using the 'ec2-user' username and a public key. The terminal output includes the AWS logo, the instance type 't2.micro', and a message about security updates. The main console area shows the instance details for 'i-0684c730c4c7bda2f (MyWebServer)'. The instance is in a 'Running' state. The console also displays the instance's IP addresses, including the public IP '3.235.161.207' and the private IP '172.31.8.1'. The instance type is 't2.micro' and the status check shows '2/2 checks passed'.

```
Using username "ec2-user".
Authenticating with public key "myec2key"

  _ _ | _ _ | _ _ |
 _ _ | _ _ | _ _ | / Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
11 package(s) needed for security, out of 15 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-8-1 ~]$
```

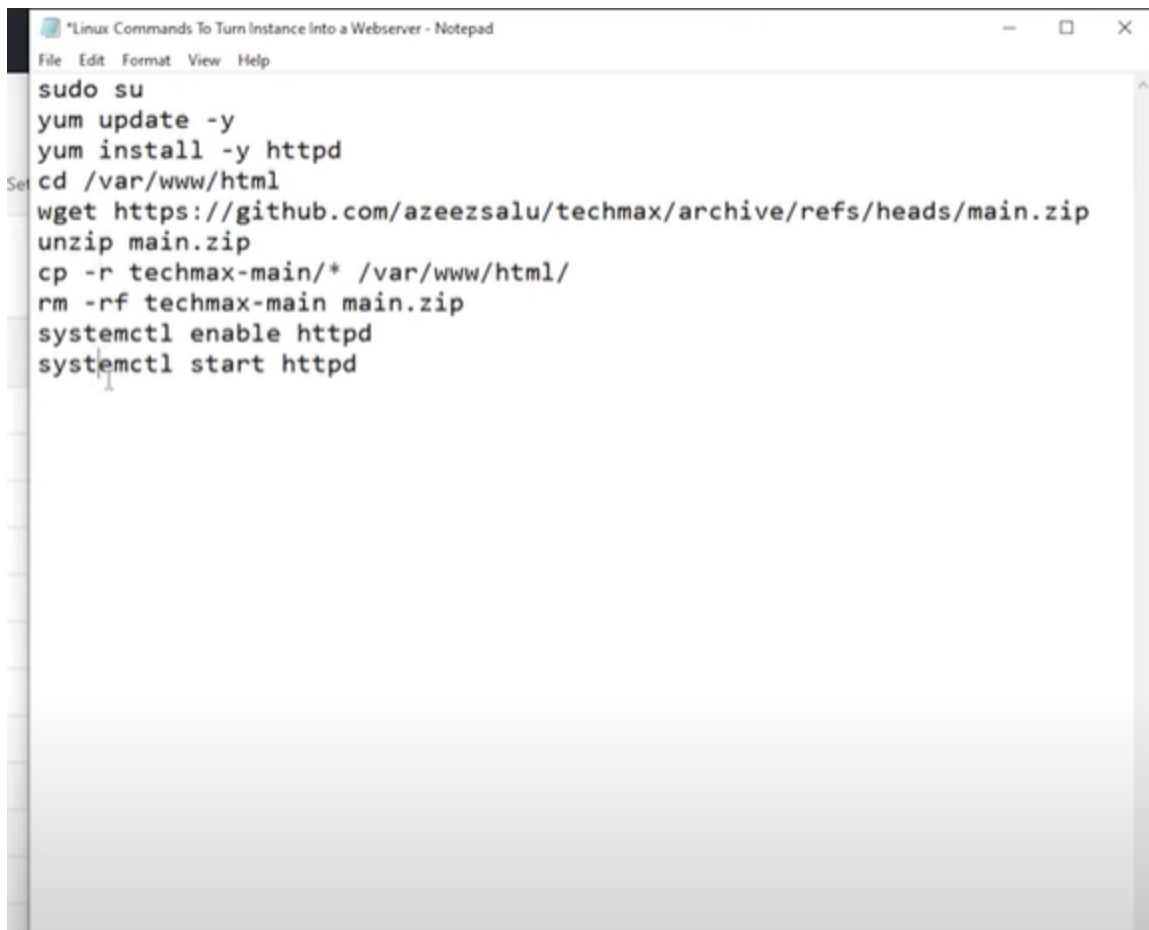
Instance details for 'i-0684c730c4c7bda2f (MyWebServer)':

- Instance type: t2.micro
- Status check: 2/2 checks passed
- Alarm status: No alarms
- Availability: us-east-1
- Private IPv4 addresses: 172.31.8.1
- Public IPv4 DNS: ec2-3-235-161-207.compute-1.amazonaws.com
- Answer private resource DNS name: IP4 (A)
- VPC ID: [redacted]

5) Install the software your website needs



Edit with WPS Office



```
*Linux Commands To Turn Instance into a Webserver - Notepad
File Edit Format View Help
sudo su
yum update -y
yum install -y httpd
cd /var/www/html
wget https://github.com/azeezsalu/techmax/archive/refs/heads/main.zip
unzip main.zip
cp -r techmax-main/* /var/www/html/
rm -rf techmax-main main.zip
systemctl enable httpd
systemctl start httpd
```

Type one by one command

- 1) Sudo su(allow EC2 instance
- 2) Yum update -y (for security policies)
- 3) After it will get complete
- 4) Yum install -y httpd (download apache to EC2 instance) (it will get complete message on command prompt)
- 5) cd /var/www/html
cd is change directory(so change directory to HTML directory)
- 6) wget (path you have to mention.zip) (website HTML path)
- 7) unzip main(directory name)
- 8) unzip.directory name.zip



Edit with WPS Office

9) Enter ls command(it will show you list)

6) Put website to HTML directory

1) `cp -r directory name /* /var/www/html`

For e.g. `cp -r techmax-main/* /var/www/html`

2) `rm -rf techmax-main main.zip`

3) type ls(list command) and see what happened??

7) Start Apache service

Type `systemctl enable httpd`

`Systemctl start httpd`

After that go to instance select public ip address go to new tab and paste over there and it will host your website

7) Terminate Ee2 instance(MOST IMPORTANT)



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Edit with WPS Office