

Assignment 1
Hosting Website in AWS Cloud

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Section	1
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Step1

Go to EC2 Dashboard, click on instances and launch instances



Step2

Create name for a new instance

A screenshot of the 'Name and tags' section in the AWS console. It features a 'Name' label above a text input field containing the text 'noor1930146'. To the right of the input field is a blue link that says 'Add additional tags'. The entire section is titled 'Name and tags info'.

Step3

Create Key Pair

Create key pair

×

Key pair name

Key pairs allow you to connect to your instance securely.

noor1930146

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

☐ ED25519
ED25519 encrypted private and public key pair

Private key file format

☒ .pem
For use with OpenSSH

☐ .ppk
For use with PuTTY

Cancel

Create key pair

Step 4

Launch Instance

Number of instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.1.2...[read more](#)
ami-0d13e3e640877b0b9

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 x gp3, 8 GiB

Cancel

Launch instance

[Review commands](#)

Step 5

Select created instance and connect

Instances (1/3) Info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm stat
<input type="checkbox"/>	1930146-Assi...	i-0928b34b788a54819	Terminated	t2.micro	-	No alarms
<input type="checkbox"/>	Assignment1~...	i-0eca5945aa0a56cef	Terminated	t2.micro	-	No alarms
<input checked="" type="checkbox"/>	noor1930146	i-017930feef6f0161	Running	t2.micro	Initializing	No alarms

Instance ID
i-017930feef6f0161 (noor1930146)

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
52.66.188.107

User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ec2-user.
ec2-user

Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel Connect

Step 6

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-40-46 ~]$ sudo su
[root@ip-172-31-40-46 ec2-user]# yum update -y
Last metadata expiration check: 0:00:16 ago on Sun Jul 16 12:15:43 2023.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-40-46 ec2-user]# yum install -y httpd
```

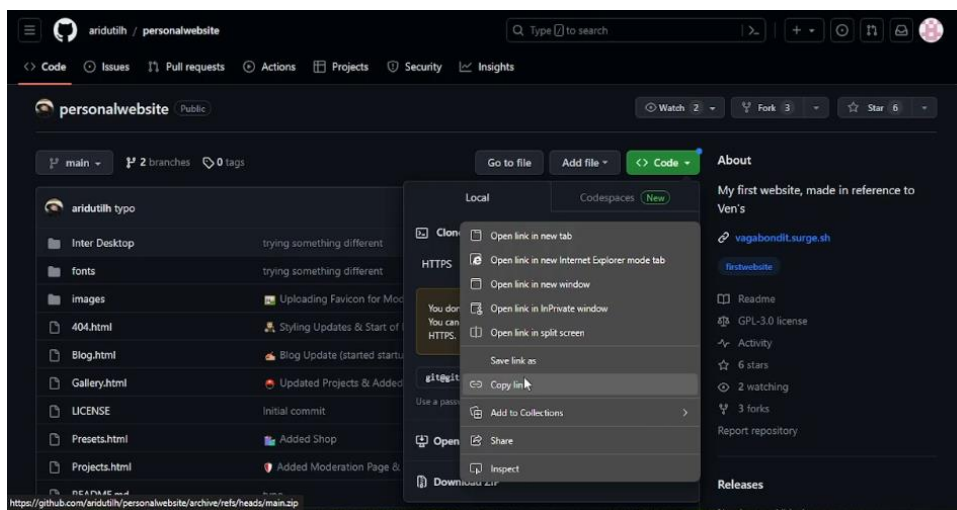
Step 7

```
[root@ip-172-31-40-46 ec2-user]# systemctl status httpd
○ httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
  Active: inactive (dead)
  Docs: man:httpd.service(8)
[root@ip-172-31-40-46 ec2-user]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-40-46 ec2-user]# systemctl start httpd
```

Step 8

```
[root@ip-172-31-40-46 ec2-user]# systemctl start httpd
[root@ip-172-31-40-46 ec2-user]# sudo yum install git -y
```

Step 9



Step 10

```
Complete!
[root@ip-172-31-40-46 ec2-user]# git clone https://github.com/aridutilh/personalwebsite.git
Cloning into 'personalwebsite'...
remote: Enumerating objects: 595, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (17/17), done.
receiving objects: 21% (127/595), 156.01 KiB | 248.00 KiB/s
```

i-017930feef6f0161 (noor1930146)

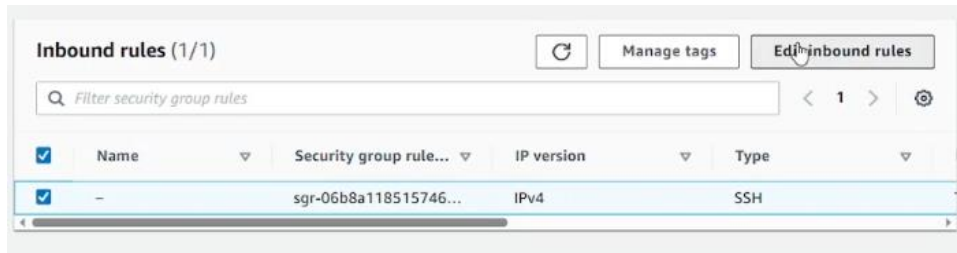
PublicIPs: 52.66.188.107 PrivateIPs: 172.31.40.46

Step 11

```
[root@ip-172-31-40-46 ec2-user]# ls
personalwebsite
[root@ip-172-31-40-46 ec2-user]# cd personalwebsite
[root@ip-172-31-40-46 personalwebsite]# ls
404.html  Gallery.html  LICENSE  Projects.html  Shop.html  images  interview.html  moderation.html  slavery.html
Blog.html  'Inter Desktop'  Presets.html  README.md  fonts  index.html  main.css  partner.html  startup.html
[root@ip-172-31-40-46 personalwebsite]# mv * /var/www/html
[root@ip-172-31-40-46 ~]# cd /var/www/html/
[root@ip-172-31-40-46 html]# ls
404.html  Gallery.html  LICENSE  Projects.html  Shop.html  images  interview.html  moderation.html  slavery.html
Blog.html  'Inter Desktop'  Presets.html  README.md  fonts  index.html  main.css  partner.html  startup.html
[root@ip-172-31-40-46 html]#
```

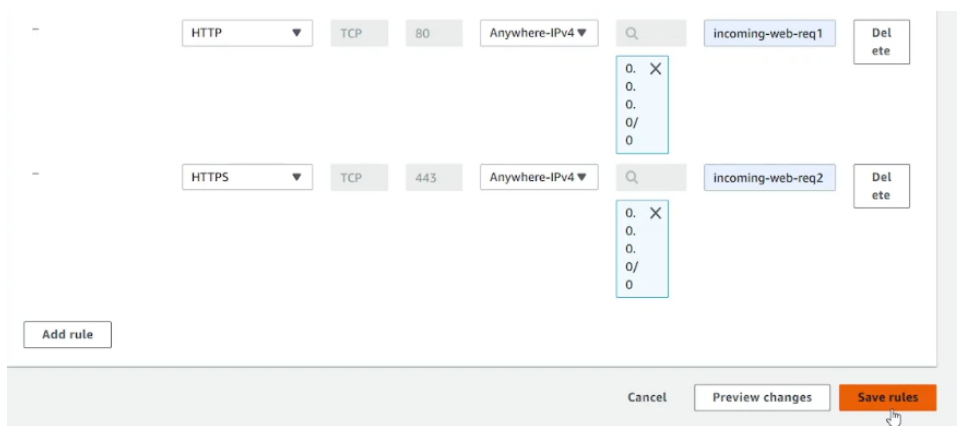
Step 12

Goto security group of the running instance and edit inbound rules



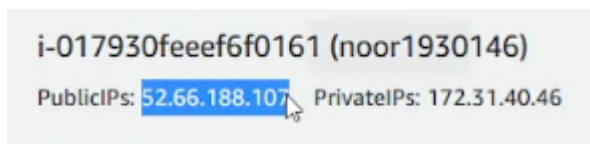
Step 13

Save rules after edit



Step 14

Copy the public IP



Step 15

Paste the ip in a new tab

