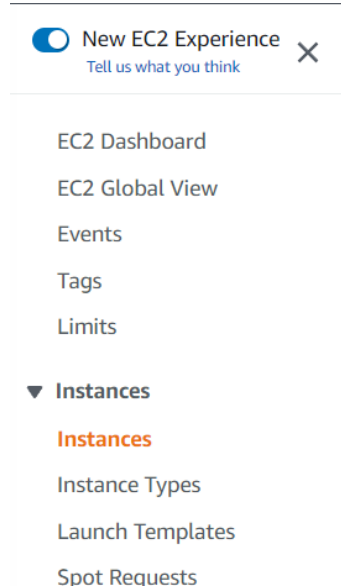


## ASSIGNMENT NO-07

❖ **Problem Statement:- Upload A static website in EC2 server.**

❖ **Steps:-**

1. Login to **AWS** account and go to search option and search EC2. At the left sight in the “instances” click instances .



2. Click on “Launch instances” and enter the name(ex-ecds23) ,click hardware “Ubuntu”, check the hardware if it is 64-bit or not and then check if the software is t2.micro.

**Quick Start**

Amazon Linux  
aws

macOS  
Mac

Ubuntu  
ubuntu

Windows  
Windows

[Browse more AMIs](#)  
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

**Name and tags** [Info](#)

Name

ecds23

[Add additional tags](#)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type Free tier eligible

ami-0f8ca728008ff5af4 (64-bit (x86)) / ami-08795883c7b4b7140 (64-bit (Arm))

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

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-02-08

Architecture

64-bit (x86\_64)

AMI ID

ami-0f8ca728008ff5af4 Verified provider

▼ **Instance type** [Info](#)

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory  
On-Demand Linux pricing: 0.0124 USD per Hour  
On-Demand Windows pricing: 0.017 USD per Hour  
On-Demand RHEL pricing: 0.0724 USD per Hour  
On-Demand SUSE pricing: 0.0124 USD per Hour

[Compare instance types](#)

3. In “key pair” section click on “create new key pair” and give a key pair name which is not used before(ex-key003) and click on click 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

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

Private key file format

☒ .pem  
For use with OpenSSH

☐ .ppk  
For use with PuTTY

Cancel **Create key pair**

4. Check allow **SSH,HTTPS,HTTP** and then click on launch instance and ec2 server is created .

We'll create a new security group called 'launch-wizard-4' with the following rules:

- ☒ Allow SSH traffic from  
Helps you connect to your instance
- Anywhere  
0.0.0.0/0
- ☒ Allow HTTPS traffic from the internet  
To set up an endpoint, for example when creating a web server
- ☒ Allow HTTP traffic from the internet  
To set up an endpoint, for example when creating a web server

**⚠** Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

|                          |        |                     |                      |  |          |   |           |   |             |
|--------------------------|--------|---------------------|----------------------|--|----------|---|-----------|---|-------------|
| <input type="checkbox"/> | ecds23 | i-086fe66c0dc4e7a1c | <span>Running</span> |  | t2.micro | - | No alarms | + | ap-south-1b |
|--------------------------|--------|---------------------|----------------------|--|----------|---|-----------|---|-------------|

5. Click on instance id and copy “Public IPv4 address” .

EC2 > Instances > i-086fe66c0dc4e7a1c

**Instance summary for i-086fe66c0dc4e7a1c** [info](#)

Updated less than a minute ago

Instance ID

i-086fe66c0dc4e7a1c (ecds23)

IPv6 address

-

Public IPv4 address

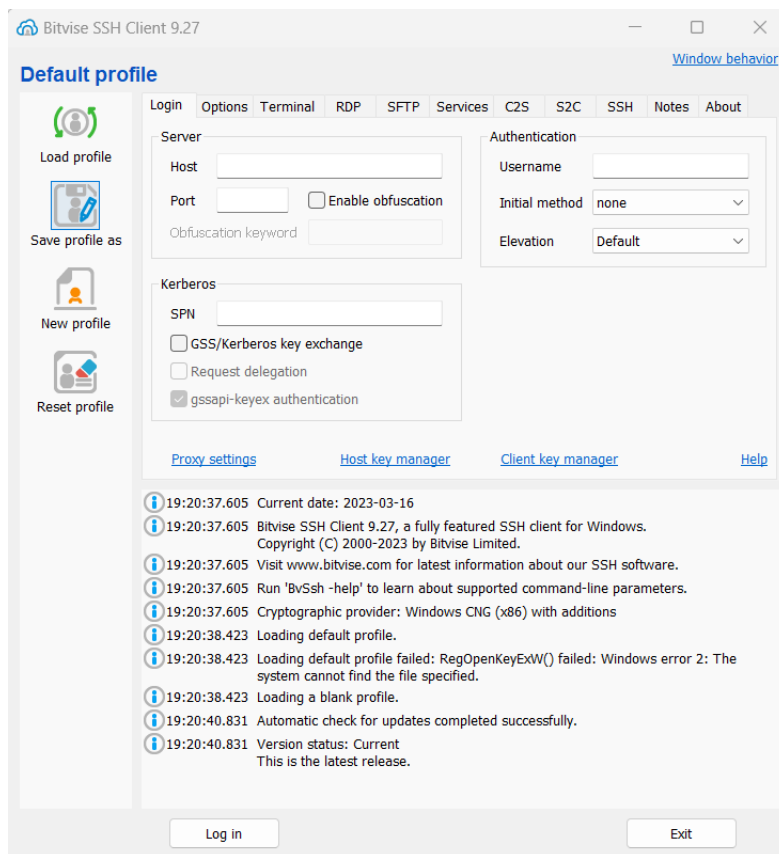
35.154.38.160 | [open address](#)

Instance state

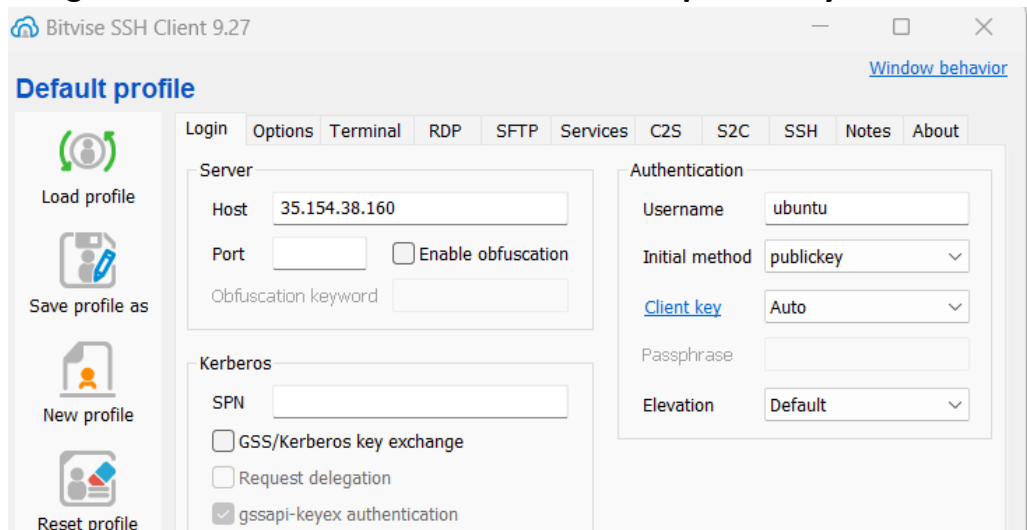
Running

**Public IPv4 address copied**

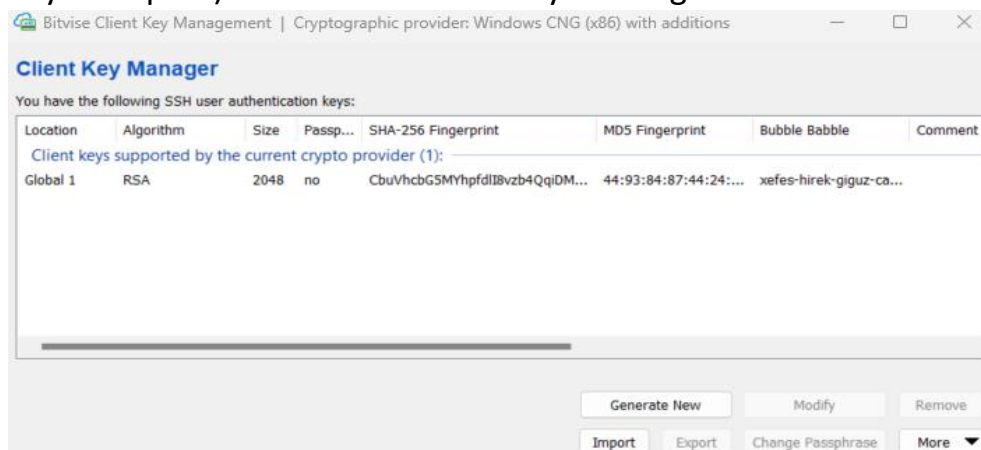
6. Now install Bitwise SSH client and open it .

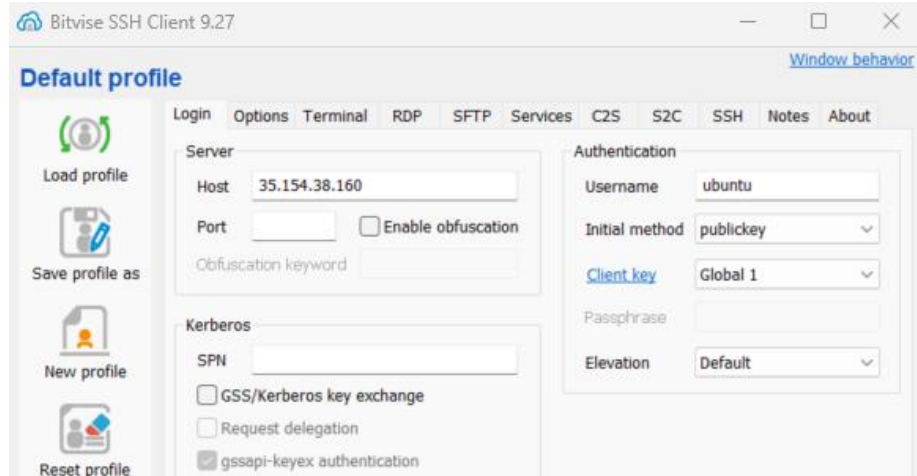


7. Copied IPv4 address is pasted on “Host” section and in Authentication section in Username give **Ubuntu** and in initial method select **public key**.

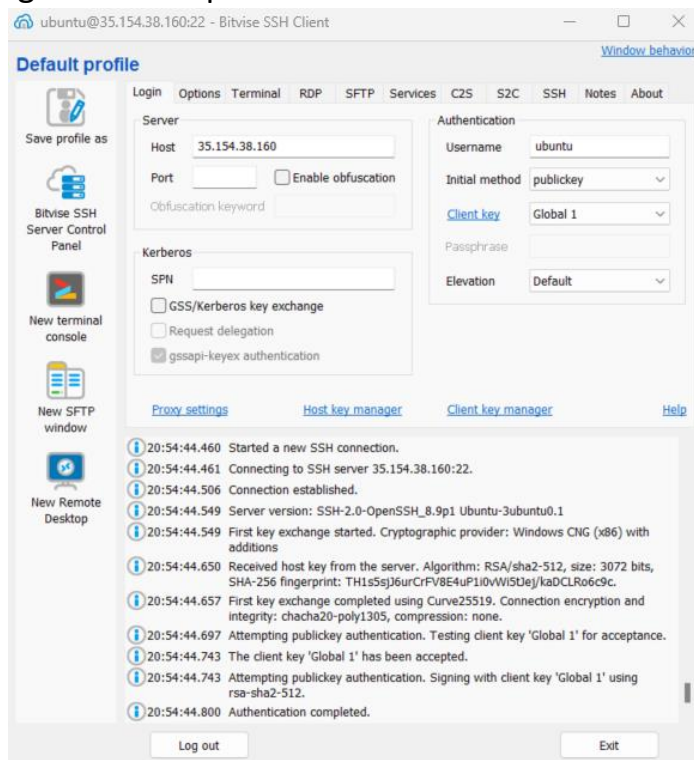


8. Now click on client key manager and import that downloaded **.pem** file(ex-key1234.pem). and now in client key select global1 if the location name is global1.





9. Click on login and accept and save .



10. Now, click on “New Terminal Console” and write three commands “sudo apt-get update”, “sudo apt-get upgrade”, “sudo apt-get install nginx”.

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-6-132:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

11. After installing it, now type `cd ..` two times to go back to root.

```
ubuntu@ip-172-31-6-132:~$ cd ..
ubuntu@ip-172-31-6-132:/home$ cd ..
ubuntu@ip-172-31-6-132:/ $ pwd
/
ubuntu@ip-172-31-6-132:/ $
```

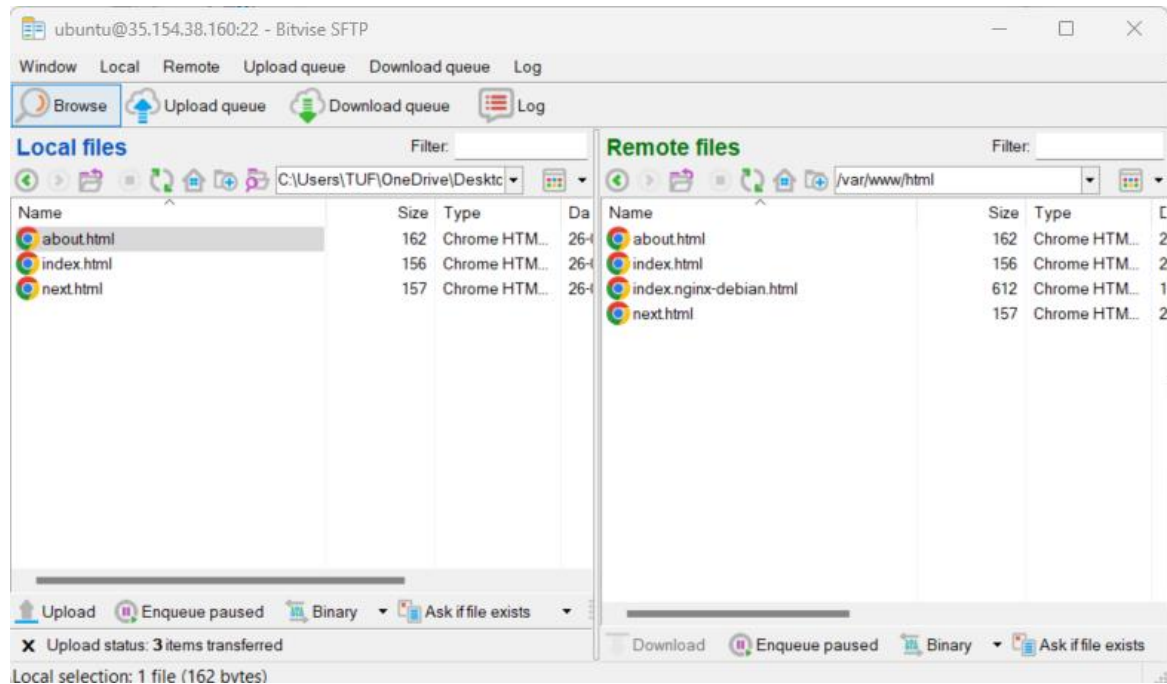
12. Now go to “www” by typing `cd var` and then `cd www`.

```
ubuntu@ip-172-31-6-132:/ $ cd var
ubuntu@ip-172-31-6-132:/var$ cd www
ubuntu@ip-172-31-6-132:/var/www$
```

13. Now type `sudo chmod 777 html` to give all permission.

```
ubuntu@ip-172-31-6-132:/var/www$ sudo chmod 777 html
```

14. Now go to **New SFTP window** and in Remote files go to html section and copy all .html files (about.html, index.html, next.html) and paste it to the html section.



15. Now copy the the IPv4 address and paste it in different tab and we can see the webpages are successfully uploaded through EC2.

