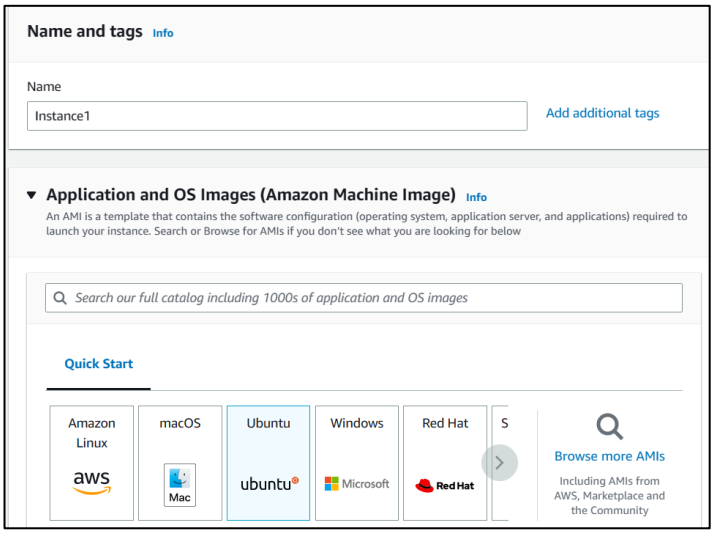
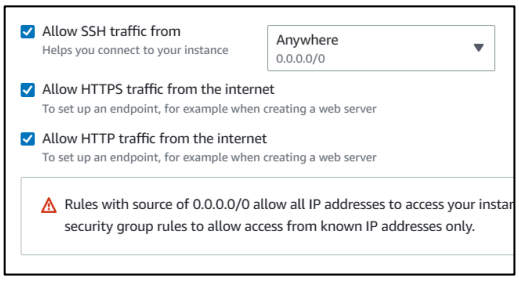
Assignment 7: Upload a static website in EC2 Server.

1. Creating a EC2 server
   a) Go to **EC2 Management Console** and click **Launch Instance**.
   b) Give name of the Instance and choose Ubuntu as OS.

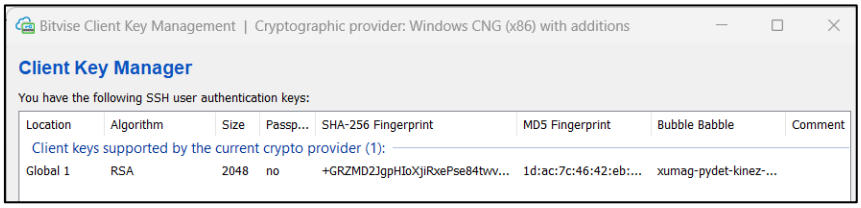


   c) Create a Key Pair and check all the checkboxes for SSH, HTTP and HTTPS traffic in Network Settings.

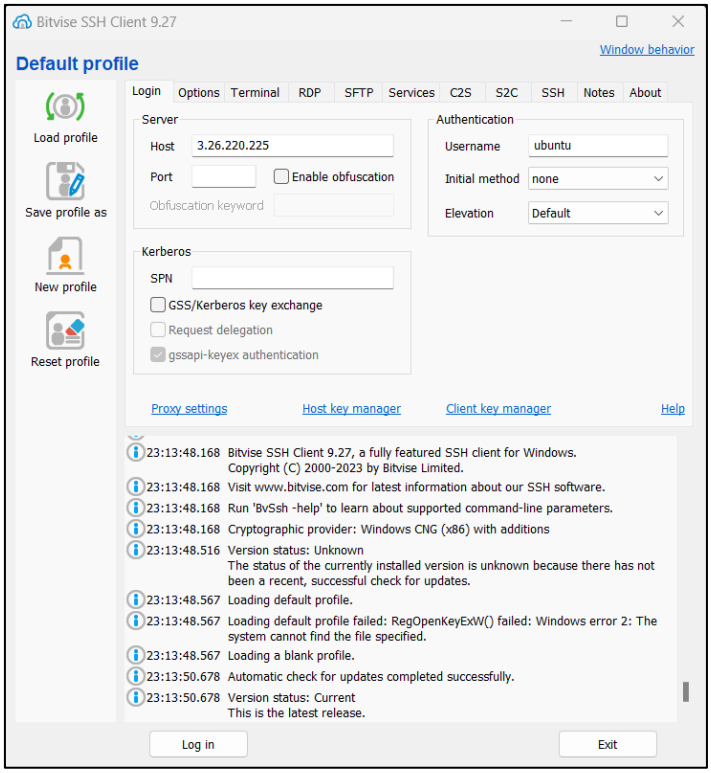


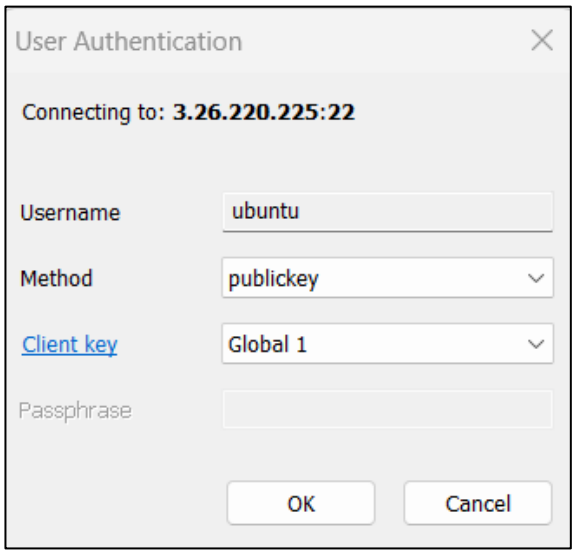
   d) Click **Launch Instance**.

2. Open the **Bitvise SSH Client Application** and go to **Login** Options.
3. Click **Client Key Manager**, remove all existing keys and import the key downloaded during creating instance.



4. Copy-paste the public IPv4 address of the instance in the Host, give Username as **Ubuntu**.
5. Click Login, **Accept and Save**. In **User Authentication** Window set the Client Key as **Global 1** and press OK.



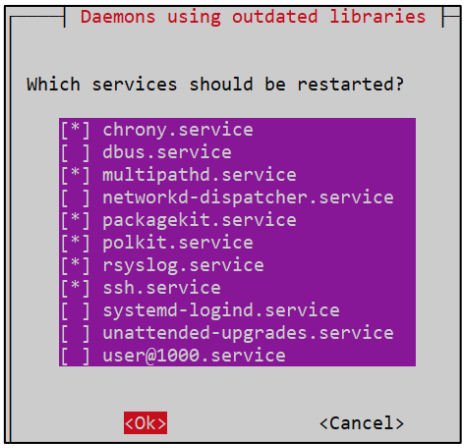


6. Open **New Terminal Console**.
7. Execute the commands: i) *sudo apt-get update* ii) *sudo apt-get upgrade*

```
ubuntu@ip-172-31-21-246:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-21-246:~$ sudo apt-get update
Hit:1 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
```

```
ubuntu@ip-172-31-21-246:~$ sudo apt-get upgrade
Reading package lists... Done
Building dependency tree... Done
```

8. Click OK in the window which appears.
9. Execute *sudo apt-get install nginx*. Click OK in the window which appears.



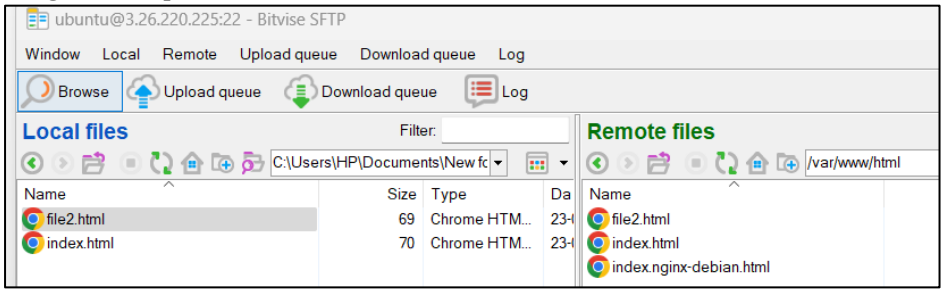

```
No VM guests are running outdated hypervisor (qemu) bi
ubuntu@ip-172-31-21-246:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

10. Open the public IPv4 address in a browser.

11. Go to **Bitvise SSH Client Application** and open **New SFTP Window**.
12. In the terminal give command *cd /var/www/* and press Enter. Now give the permission: Execute *sudo chmod 777 html*

```
ubuntu@ip-172-31-29-120:/var/www$ sudo chmod 777 html
ubuntu@ip-172-31-29-120:/var/www$ ls -a
.  ..  html
ubuntu@ip-172-31-29-120:/var/www$ ls -la
total 12
drwxr-xr-x  3 root root 4096 Mar 23 17:49 .
drwxr-xr-x 14 root root 4096 Mar 23 17:49 ..
drwxrwxrwx  2 root root 4096 Mar 23 17:49 html
```

13. In the SFTP Window, in **Remote Files** navigate to **var/www/html** folder.
14. Drag and Drop the html files from **Local files** to var/www/html folder in **Remote Files**.



15. Refresh the website. Website is successfully uploaded.