SSH

Experiment: 5

Aim: Installation of Open SSH between two ubuntu machines.

Description:

Remote File Sharing using SSH

OpenSSH is a powerful collection of tools for the remote control of, and transfer of data between, networked computers. You will also learn about some of the configuration settings possible with the OpenSSH server application and how to change them on your Ubuntu system.

OpenSSH is a freely available version of the Secure Shell (SSH) protocol family of tools for remotely controlling, or transferring files between computers. Traditional tools used to accomplish these functions, such as telnet or rcp, are insecure and transmit the user's password in cleartext when used. OpenSSH provides a server daemon and client tools to facilitate secure, encrypted remote control and file transfer operations, effectively replacing the legacy tools.

Port No: 22

Package name: openssh-client

Configuration file: /etc/ssh/sshd_config

Procedure:

1. create two EC2 instance of ubuntu ssh client and ssh server
2. Create the password for the instance of ssh server by $sudo passwd ubuntu
3. Now check whether the ssh server is running by the command $sudo service ssh status
4. configure the sshd_config file by the following command $sudo vim /etc/ssh/sshd_config and include the following changes

PasswordAuthentication yes , KbdInteractiveAuthentication

no ,KerberosGetAFSToken no

5. Now check the status of the ssh server by the command $sudo service ssh status

6. Now create a text file by the command $touch text.txt

7. Now log in to the ssh_client and create a ssh_keygen by the command $ssh_keygen

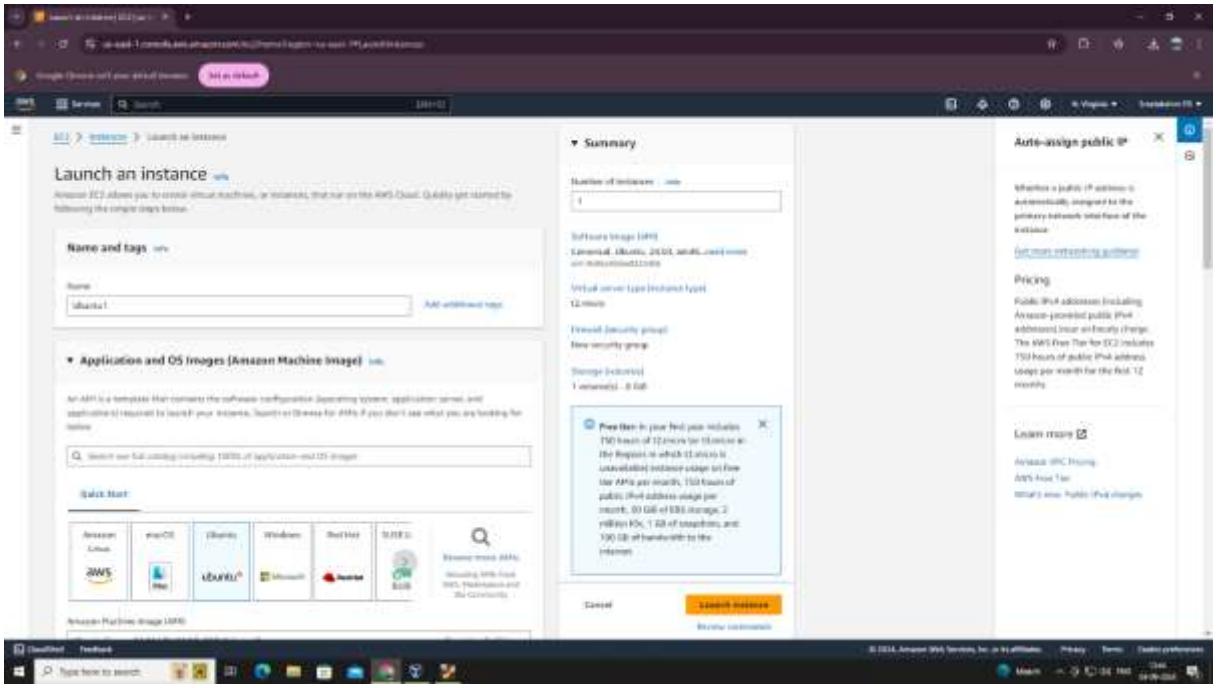
8. Now copy the ssh_keygen form the ssh_client $ssh-copy-id ubuntu@privateip

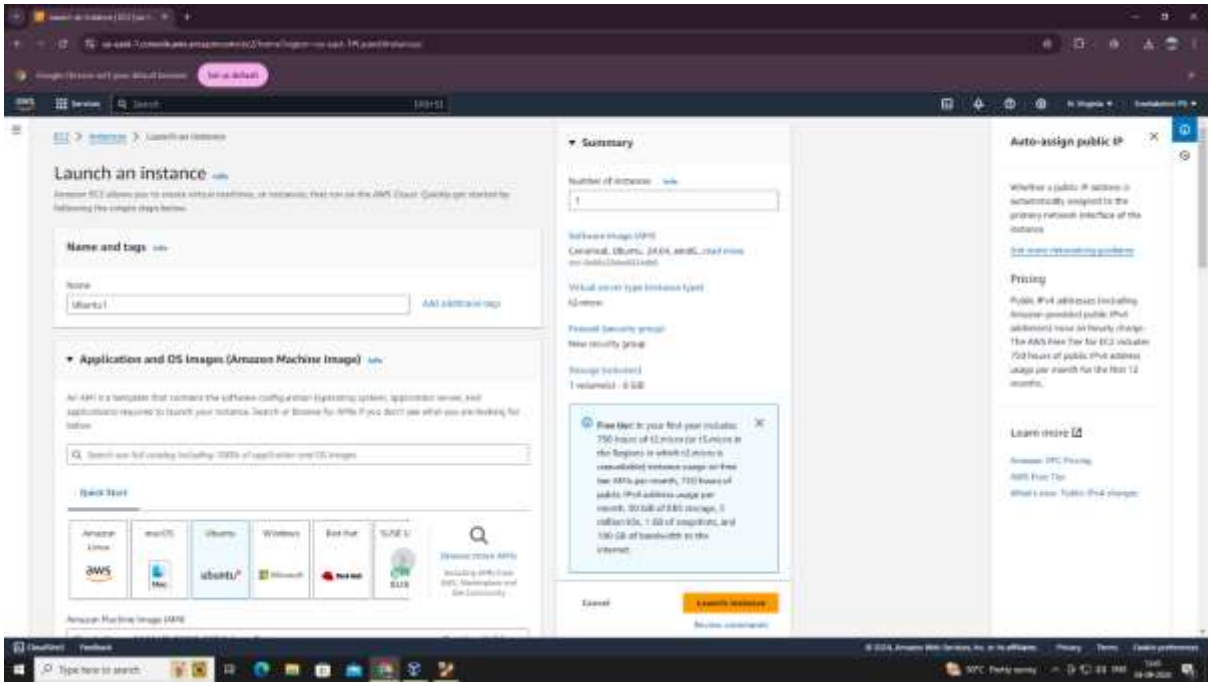
9. Now restart the client machine

10. Then connect to the ssh_server by ssh_client

11. then type ls you will be prompted with the screen with your text file which you have created

Result:

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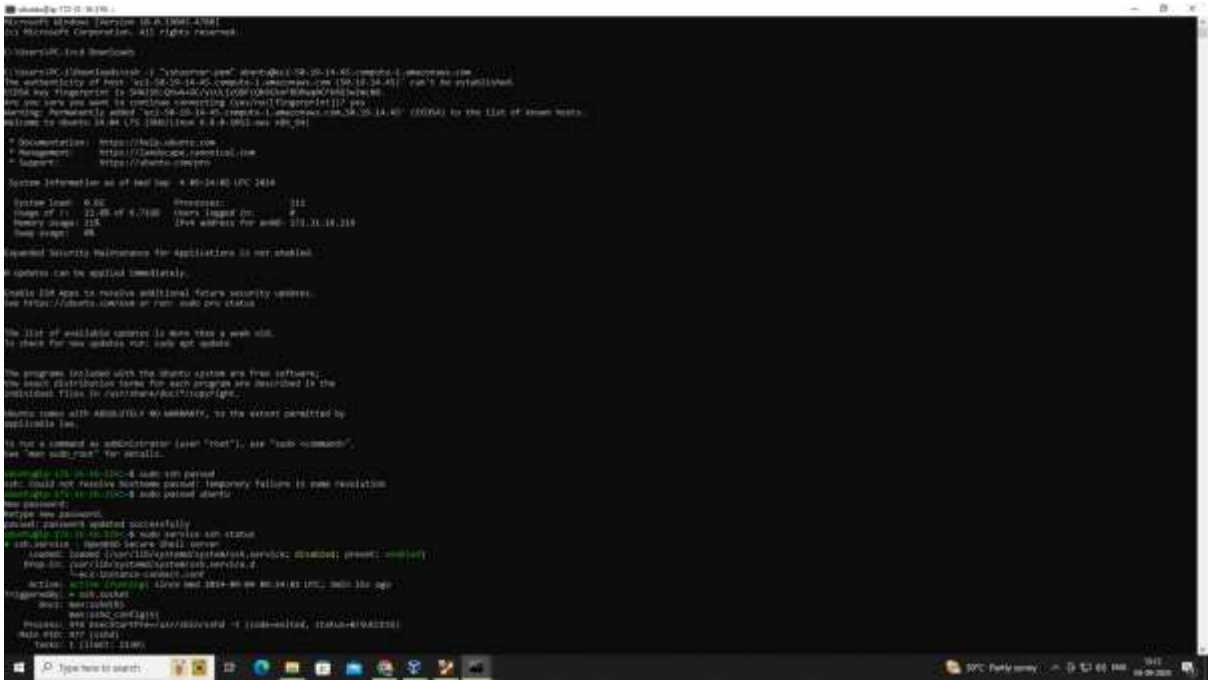

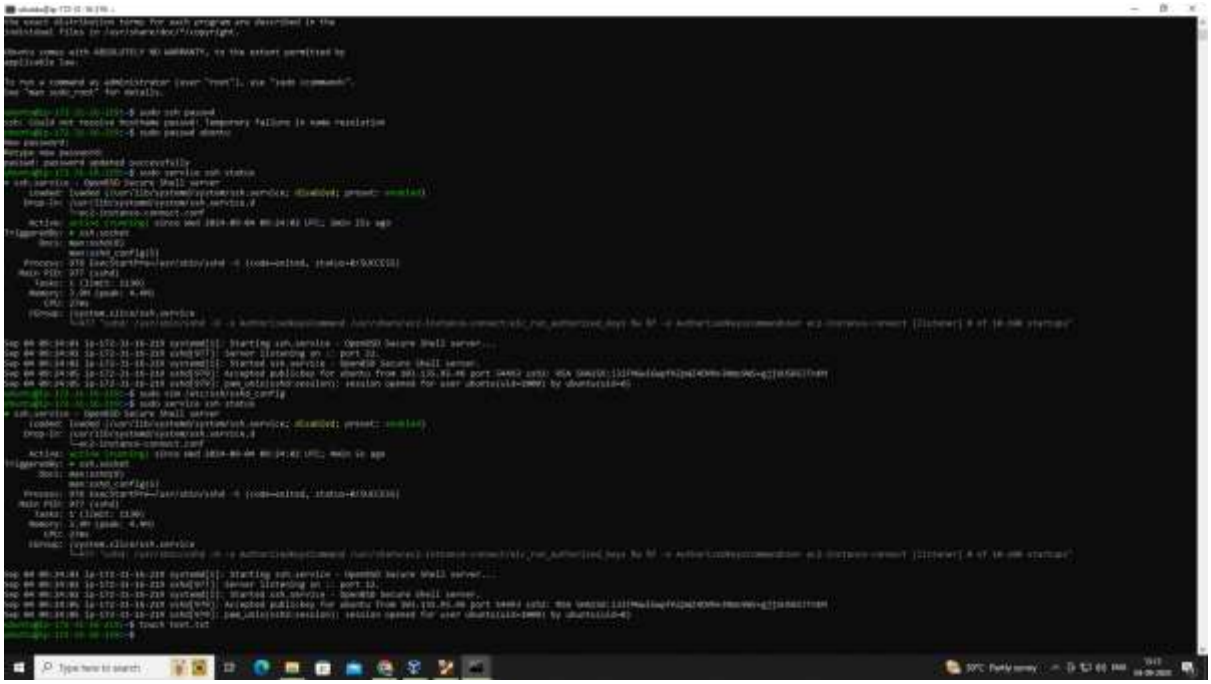

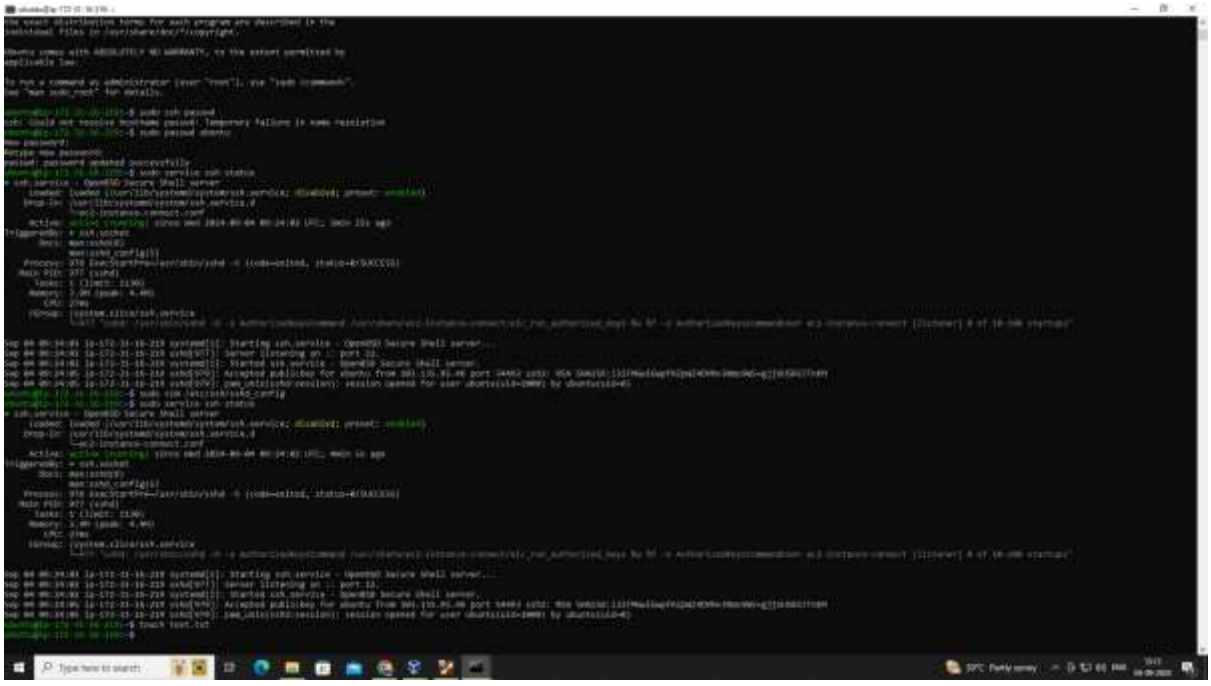

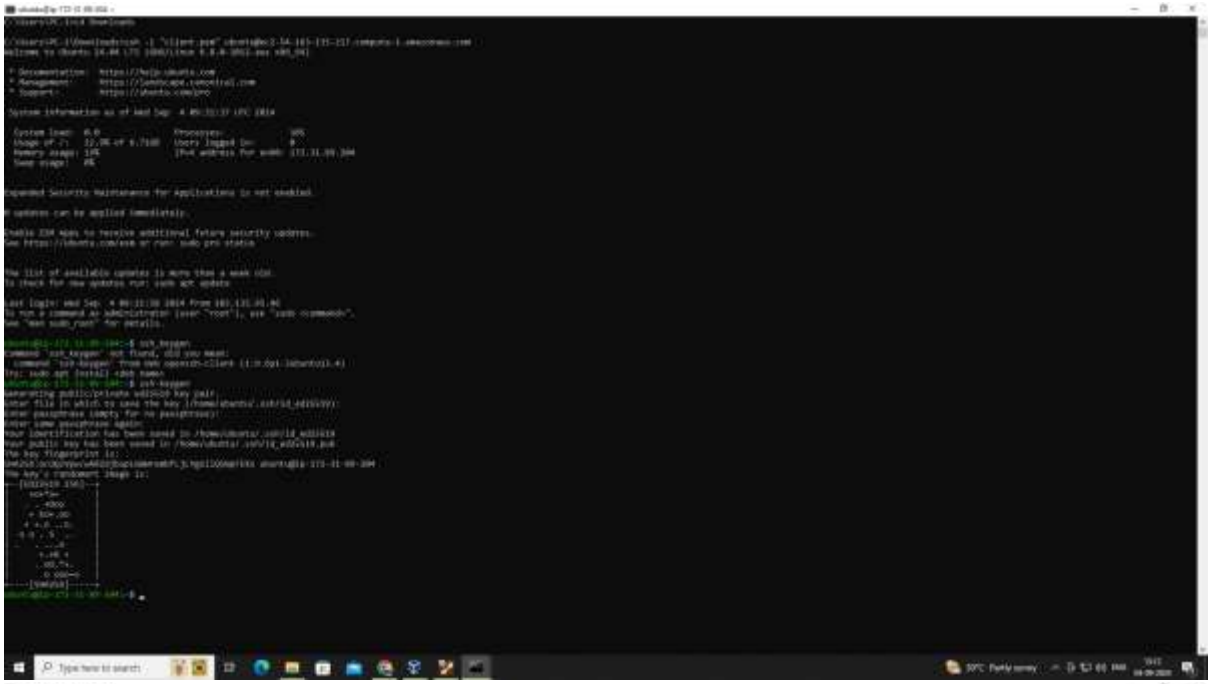

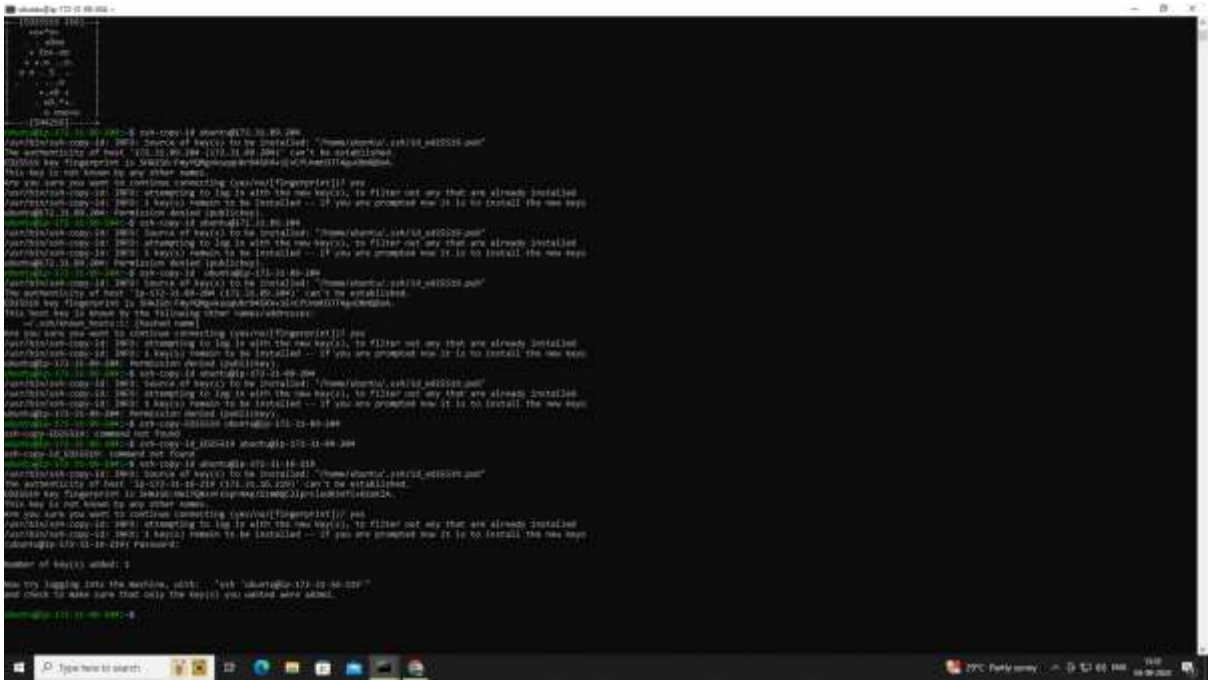

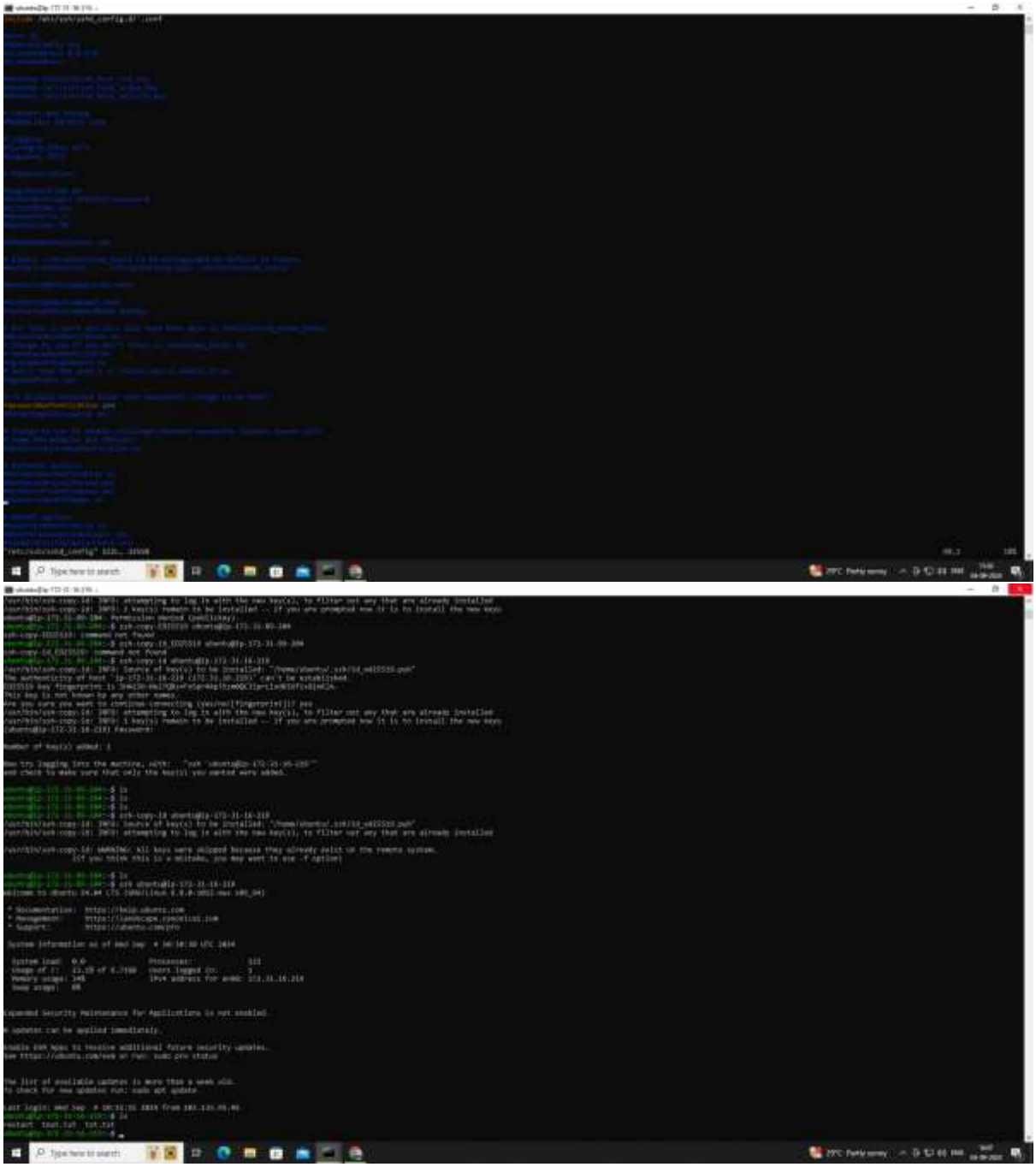

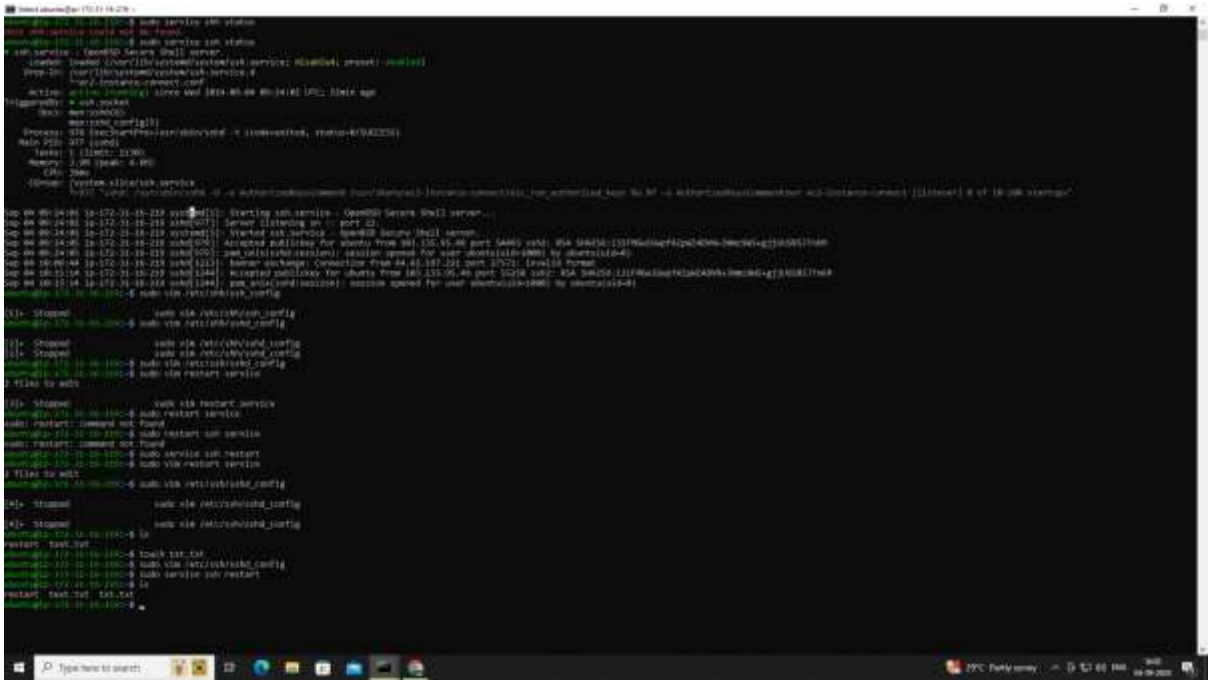

Conclusion: All the commands have been executed and the output has been obtained successfully.