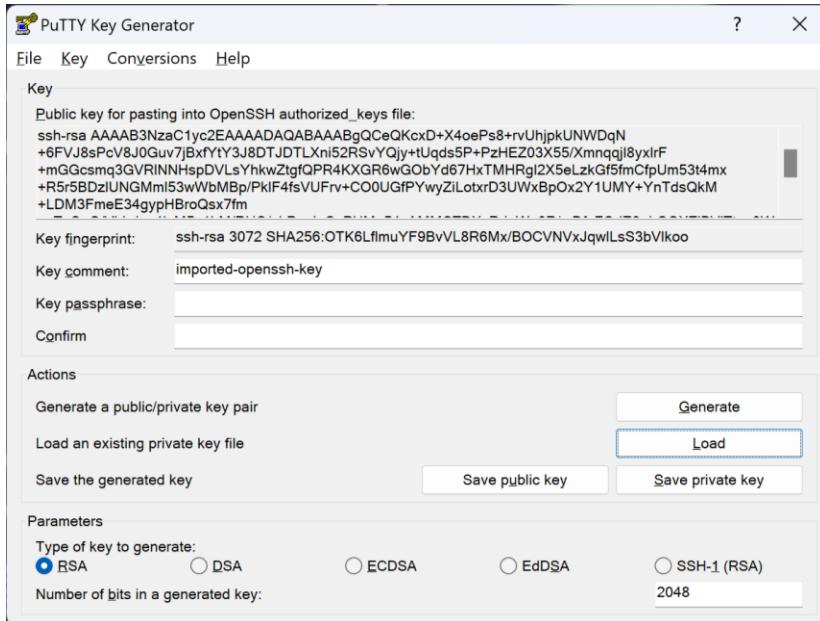


Student Name: Hifza Ashfaque

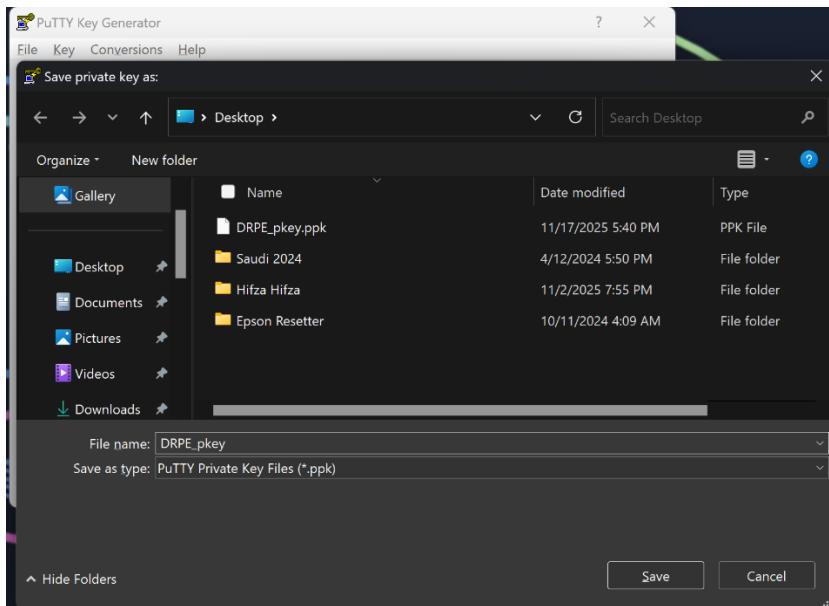
Student ID: 35818859

PuTTY

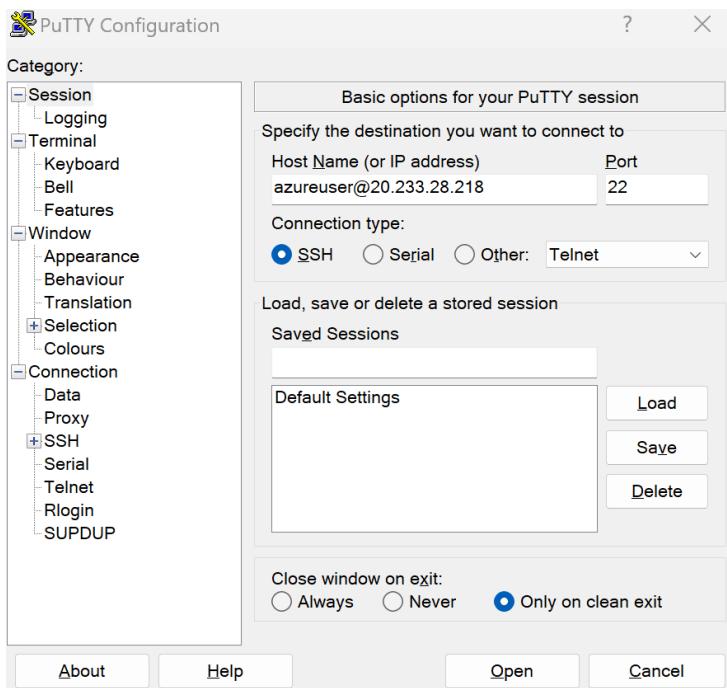
Using PuTTY Key Generator, generate .ppk file to connect virtual machine server:



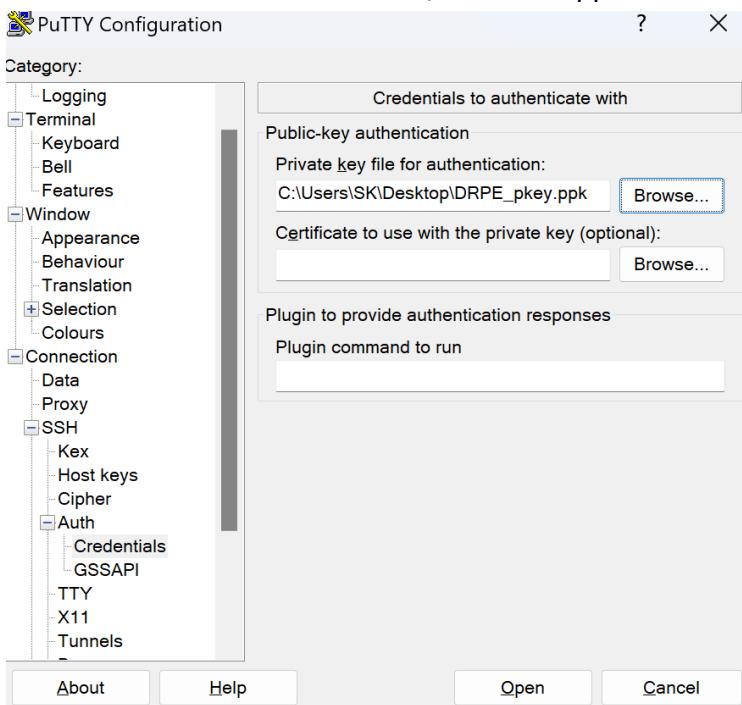
Save the .ppk file onto the computer:



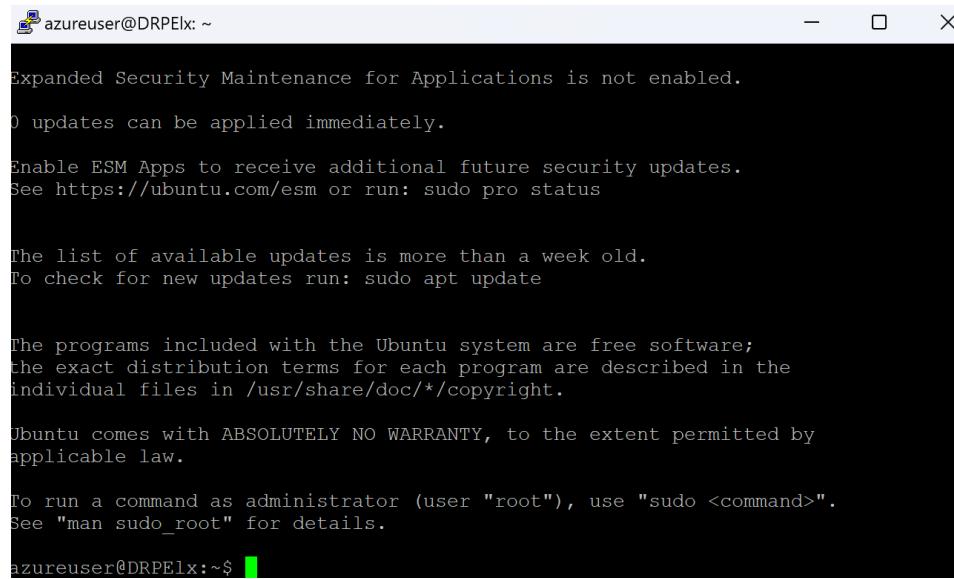
Using PuTTY Configuration, add the details such as username@ip_adress:



And in Authorization Credentials, write the .ppk file directory.



Once the above two details have been entered, press Open to connect:



```
azureuser@DRPElx: ~
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

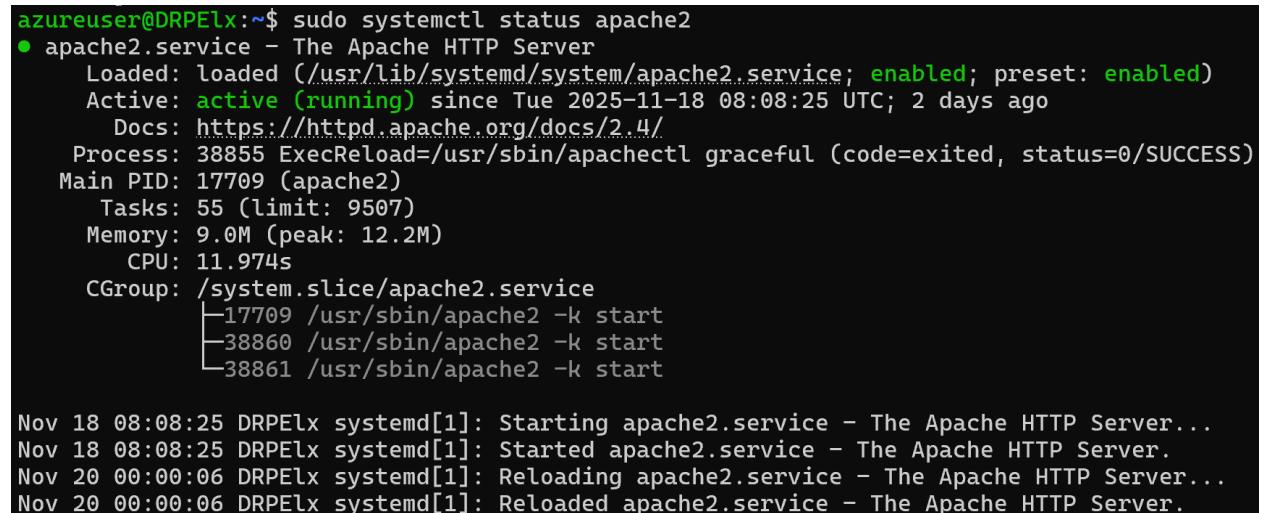
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@DRPElx:~$
```

Checking whether apache2 is installed and running:



```
azureuser@DRPElx:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-11-18 08:08:25 UTC; 2 days ago
     Docs: https://httpd.apache.org/docs/2.4/
 Process: 38855 ExecReload=/usr/sbin/apachectl graceful (code=exited, status=0/SUCCESS)
 Main PID: 17709 (apache2)
    Tasks: 55 (limit: 9507)
   Memory: 9.0M (peak: 12.2M)
      CPU: 11.974s
     CGroup: /system.slice/apache2.service
             └─17709 /usr/sbin/apache2 -k start
                 ├─38860 /usr/sbin/apache2 -k start
                 ├─38861 /usr/sbin/apache2 -k start

Nov 18 08:08:25 DRPElx systemd[1]: Starting apache2.service - The Apache HTTP Server...
Nov 18 08:08:25 DRPElx systemd[1]: Started apache2.service - The Apache HTTP Server.
Nov 20 00:00:06 DRPElx systemd[1]: Reloading apache2.service - The Apache HTTP Server...
Nov 20 00:00:06 DRPElx systemd[1]: Reloaded apache2.service - The Apache HTTP Server.
```