

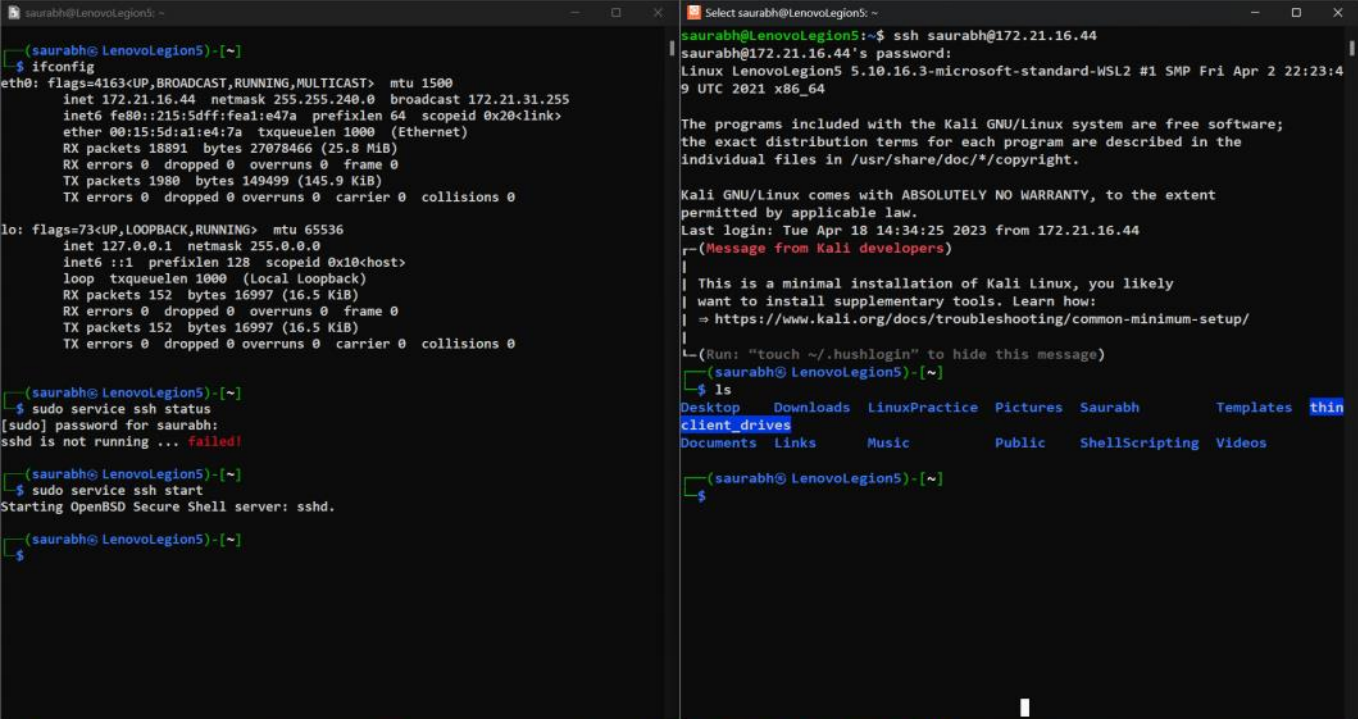
Start, stop, and check the status of network services :

```
saurabh@LenovoLegion5: ~  
(saurabh@ LenovoLegion5)-[~]  
$ sudo service --status-all  
[ - ] atd  
[ - ] bluetooth  
[ - ] cron  
[ - ] dbus  
[ - ] exim4  
[ - ] haveged  
[ ? ] hwclock.sh  
[ - ] ipsec  
[ ? ] kmod  
[ - ] lightdm  
[ - ] lm-sensors  
[ ? ] networking  
[ - ] nginx  
[ - ] openvpn  
[ - ] pcscd  
[ ? ] plymouth  
[ ? ] plymouth-log  
[ - ] procps  
[ - ] pulseaudio-enable-autospawn  
[ - ] saned  
[ ? ] speech-dispatcher  
[ - ] ssh  
[ - ] sudo  
[ - ] sysstat  
[ - ] udev  
[ - ] x11-common  
[ ? ] x12tpd  
[ - ] xrdp
```

```
saurabh@LenovoLegion5: ~  
[ - ] xrdp  
(saurabh@ LenovoLegion5)-[~]  
$ sudo service nginx start  
Starting nginx: nginx.  
(saurabh@ LenovoLegion5)-[~]  
$ sudo service nginx status  
nginx is running.  
(saurabh@ LenovoLegion5)-[~]  
$ sudo service nginx stop  
Stopping nginx: nginx.  
(saurabh@ LenovoLegion5)-[~]  
$ sudo service nginx status  
nginx is not running ... failed!  
(saurabh@ LenovoLegion5)-[~]  
$
```

Configure SSH servers and clients :

-Here I accessed my kali linux(Left side) server from the ubuntu server (right side) by using ssh.



The image shows two terminal windows side-by-side. The left window is titled 'saurabh@LenovoLegion5: ~' and shows the output of the 'ifconfig' command for the 'eth0' and 'lo' interfaces. The 'eth0' interface has an IP of 172.21.16.44. The 'lo' interface has an IP of 127.0.0.1. Below this, the user runs 'sudo service ssh status', which returns 'sshd is not running ... failed!'. Then, they run 'sudo service ssh start', which returns 'Starting OpenBSD Secure Shell server: sshd.'. The right window is titled 'Select saurabh@LenovoLegion5: ~' and shows the user running 'ssh saurabh@172.21.16.44'. The terminal displays the SSH banner for Kali Linux, including the version '5.10.16.3-microsoft-standard-WSL2' and the date 'Fri Apr 22 23:49 UTC 2021'. It also shows the user's last login time and a message from Kali developers. The user then runs 'ls', which shows a list of files and directories including 'Desktop', 'Downloads', 'LinuxPractice', 'Pictures', 'Saurabh', 'Templates', 'thin', 'client_drives', 'Documents', 'Links', 'Music', 'Public', 'ShellScripting', and 'Videos'. The bottom of the image shows a Windows taskbar with the date '18-04-2023' and time '14:39'.

```
saurabh@LenovoLegion5: ~  
[saurabh@LenovoLegion5]~  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 172.21.16.44 netmask 255.255.240.0 broadcast 172.21.31.255  
    inet6 fe80::215:5dff:fe41:e47a prefixlen 64 scopeid 0x20<link>  
    ether 00:15:5d:a1:e4:7a txqueuelen 1000 (Ethernet)  
    RX packets 18891 bytes 27078466 (25.8 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 1980 bytes 149499 (145.9 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 152 bytes 16997 (16.5 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 152 bytes 16997 (16.5 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
[saurabh@LenovoLegion5]~  
$ sudo service ssh status  
[sudo] password for saurabh:  
sshd is not running ... failed!  
  
[saurabh@LenovoLegion5]~  
$ sudo service ssh start  
Starting OpenBSD Secure Shell server: sshd.  
  
[saurabh@LenovoLegion5]~  
$  
  
Select saurabh@LenovoLegion5: ~  
saurabh@172.21.16.44's password:  
Linux LenovoLegion5 5.10.16.3-microsoft-standard-WSL2 #1 SMP Fri Apr 22 23:49 UTC 2021 x86_64  
  
The programs included with the Kali GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Tue Apr 18 14:34:25 2023 from 172.21.16.44  
[saurabh@LenovoLegion5]~  
[saurabh@LenovoLegion5]~  
$ ls  
Desktop Downloads LinuxPractice Pictures Saurabh Templates thin  
client_drives  
Documents Links Music Public ShellScripting Videos  
  
[saurabh@LenovoLegion5]~  
$
```