

LINUX NETWORKING MODULE 1 AND 2 ASSESSMENT SOLUTIONS

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5. Understand what happens when duplicate IPs configured in a network

- IP Conflict: Both devices may lose connectivity or experience intermittent network issues.
- ARP Conflicts: Devices responding to ARP requests can create confusion in the network, causing misrouted packets.
- Unpredictable Behavior: Network services may fail or behave erratically.

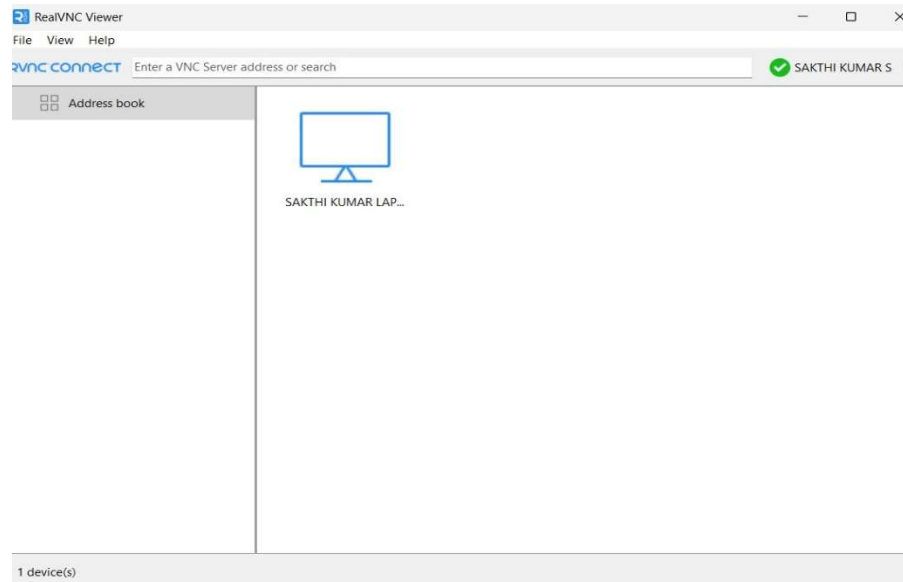
How to Detect:

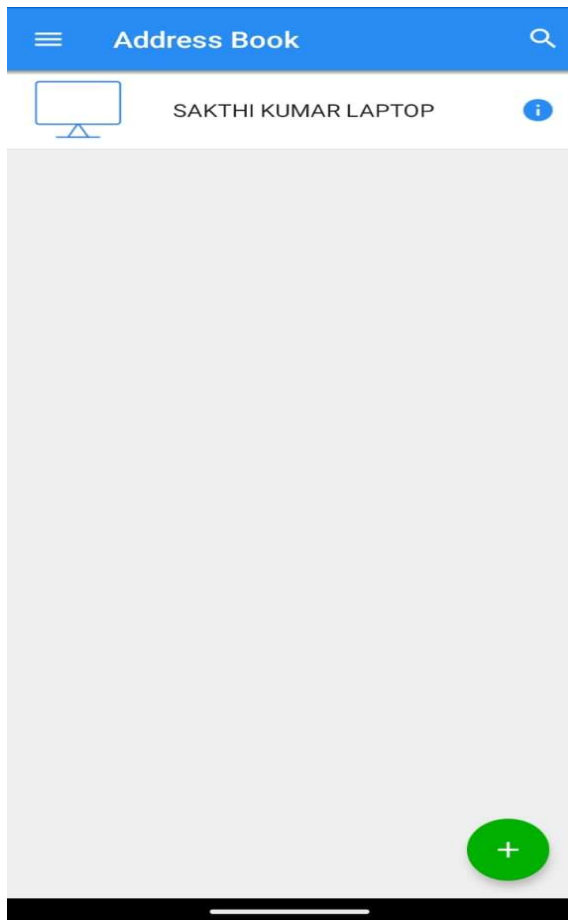
By Monitoring logs (e.g., via dmesg or system logs) and by using network tools (like arp -a) to detect duplicate MAC-to-IP mappings.

6. Understand how to access remote system using (VNC viewer, Anydesk, teamviewer and remote desktop connections)

VNC VIEWER:

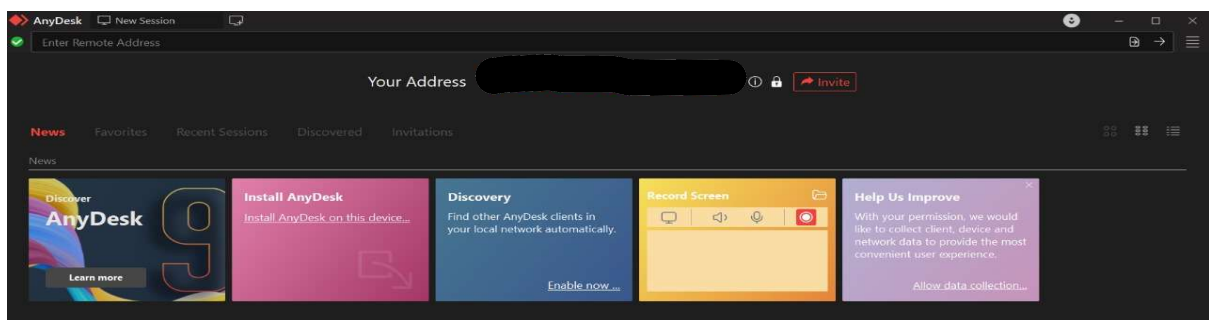
Accessing ubuntu system in windows and mobile phone:

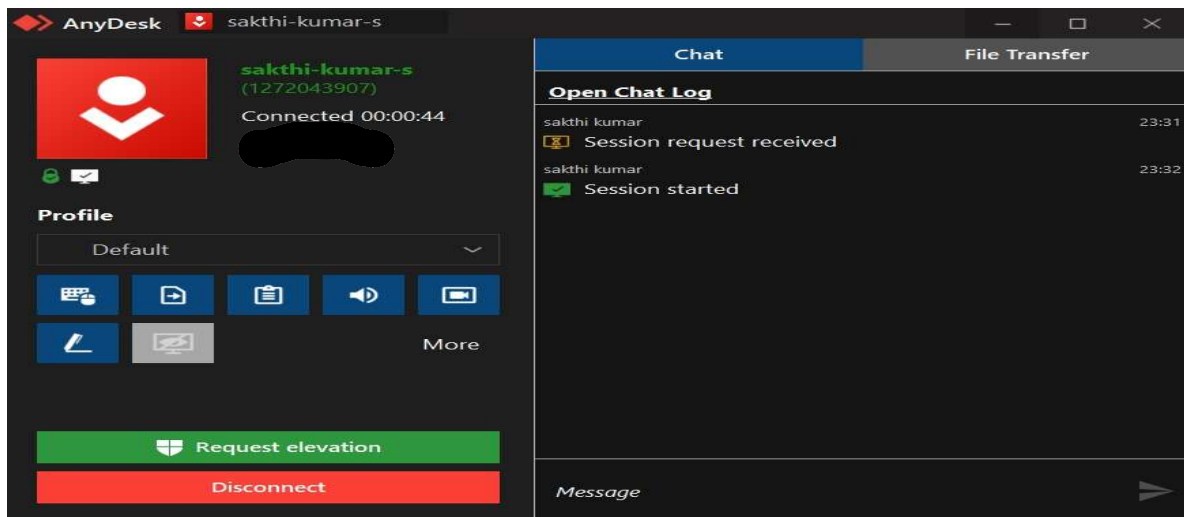
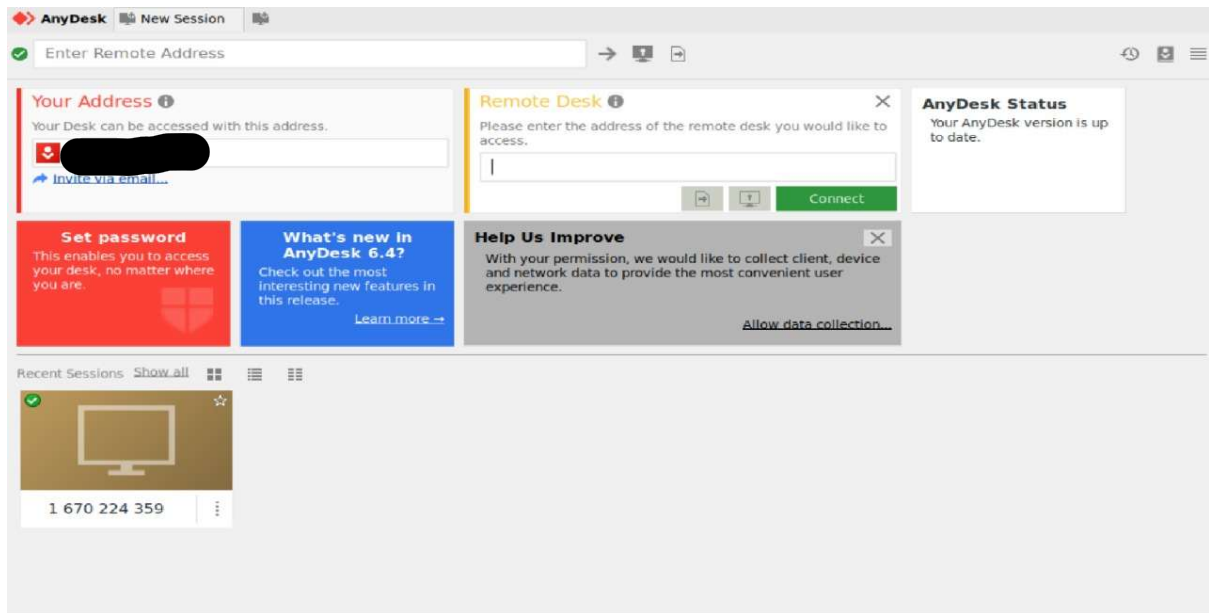




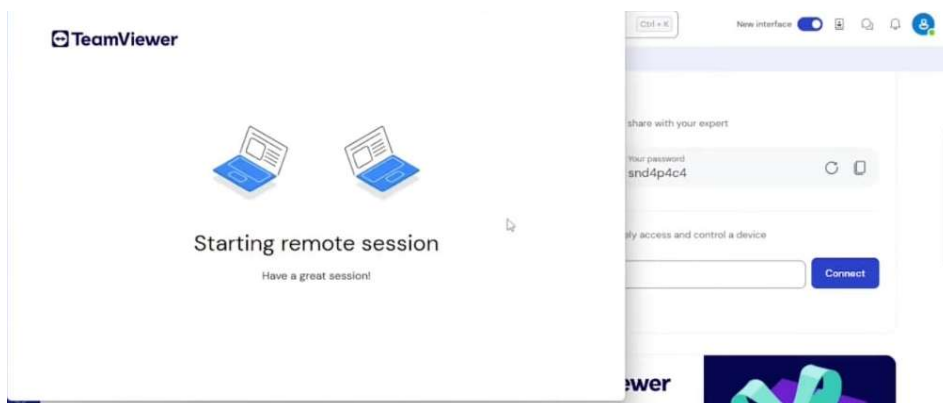
Any Desk:

Accessing windows in ubuntu:





TeamViewer:



RDP:

Accessing Ubuntu in Windows Machine:

```
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~$ sudo systemctl status xrdp
● xrdp.service - xrdp daemon
   Loaded: loaded (/usr/lib/systemd/system/xrdp.service; enabled; preset: ena>
   Active: active (running) since Tue 2025-02-25 23:54:13 IST; 10s ago
     Docs: man:xrdp(8)
           man:xrdp.ini(5)
   Process: 12827 ExecStartPre=/bin/sh /usr/share/xrdp/socksetup (code=exited, >
   Process: 12835 ExecStart=/usr/sbin/xrdp $XRDPOPTIONS (code=exited, status=>
   Main PID: 12838 (xrdp)
    Tasks: 1 (limit: 4088)
   Memory: 1.2M (peak: 2.0M)
      CPU: 91ms
   CGroup: /system.slice/xrdp.service
           └─12838 /usr/sbin/xrdp
```

