

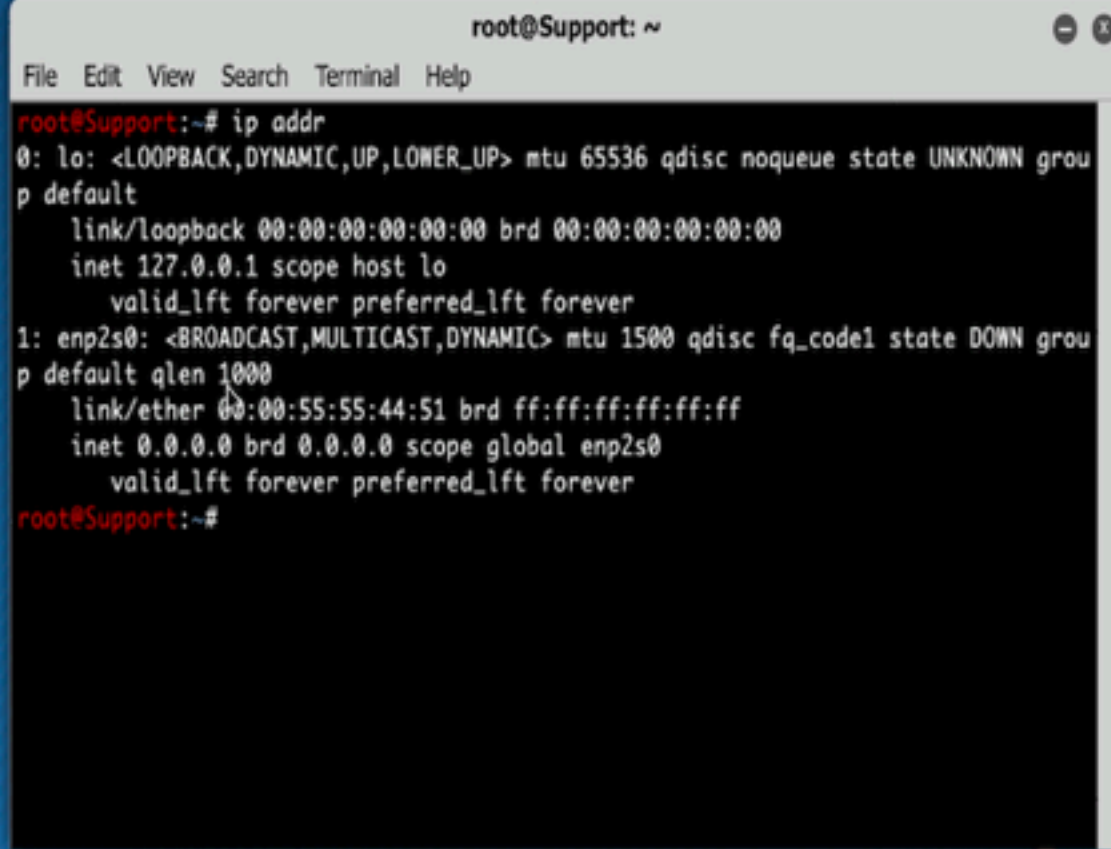
# NETWORK INTERFACE TROUBLESHOOTING

**Scenario**

You have shared a number of files located on your computer with other employees in your company. This has been working fine. However, when you came in the office today, you received a number of calls from users who say they can't connect to your shared files. After checking your computer, you find that the Ethernet cable was unplugged. You have now plugged the Ethernet cable in, and now you need to start the network interface card.

In this lab, your task is to:

- Determine which network interface went down when the Ethernet cable was unplugged.
- Start the network interface from the command line.
- Verify that the network interface is up.



```
root@Support: ~  
root@Support:~# ip addr  
0: lo: <LOOPBACK,DYNAMIC,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1 scope host lo  
        valid_lft forever preferred_lft forever  
1: enp2s0: <BROADCAST,MULTICAST,DYNAMIC> mtu 1500 qdisc fq_codel state DOWN group default qlen 1000  
    link/ether 00:00:55:55:44:51 brd ff:ff:ff:ff:ff:ff  
    inet 0.0.0.0 brd 0.0.0.0 scope global enp2s0  
        valid_lft forever preferred_lft forever  
root@Support:~#
```

```
root@Support: ~  
File Edit View Search Terminal Help  
1: enp2s0: <BROADCAST,MULTICAST,DYNAMIC> mtu 1500 qdisc fq_codel state DOWN group default qlen 1000  
    link/ether 00:00:55:55:44:51 brd ff:ff:ff:ff:ff:ff  
    inet 0.0.0.0 brd 0.0.0.0 scope global enp2s0  
        valid_lft forever preferred_lft forever  
root@Support:~# ifup enp2s0  
  
Determining IP information for eth0... done.  
root@Support:~# ip addr  
0: lo: <LOOPBACK,DYNAMIC,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1 scope host lo  
        valid_lft forever preferred_lft forever  
1: enp2s0: <BROADCAST,MULTICAST,DYNAMIC,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000  
    link/ether 00:00:55:55:44:51 brd ff:ff:ff:ff:ff:ff  
    inet 192.168.0.46 brd 0.0.0.0 scope global enp2s0  
        valid_lft forever preferred_lft forever  
root@Support:~#
```

## Check Answers

Time Spent: 01:16

Score: 1/1 (100%)

### TASK SUMMARY

#### Required Actions

- ✓ Start the enp2s0 network interface card