



A terminal window titled "root@love: ~" showing the output of the "ifconfig" command. The window has a dark background and a light-colored text. The output shows details for the "eth0" (Ethernet) and "lo" (Loopback) interfaces. The "eth0" interface has an IP address of 192.168.1.3, a netmask of 255.255.255.0, and a broadcast address of 192.168.1.255. It also shows MAC address, MTU, and statistics for RX and TX packets and errors. The "lo" interface has an IP address of 127.0.0.1, a netmask of 255.0.0.0, and a broadcast address of 127.0.0.1. It also shows MTU and statistics for RX and TX packets and errors. The terminal window has a menu bar with "Session", "Actions", "Edit", "View", and "Help". The status bar at the bottom shows the time as 21:09.

```
(root@love)~[~]
# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.3 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::a00:27ff:fe70:1ffd prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:70:1f:fd txqueuelen 1000 (Ethernet)
    RX packets 5 bytes 2420 (2.3 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 28 bytes 3942 (3.8 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 8 bytes 480 (480.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8 bytes 480 (480.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

(root@love)~[~]
#
```

```
root@love: ~  
Host is up (0.0000010s latency).  
All 1000 scanned ports on 192.168.1.3 are in ignored states.  
Not shown: 1000 closed tcp ports (reset)  
  
Nmap done: 256 IP addresses (3 hosts up) scanned in 8.15 seconds  
  
(root@love)~  
# cat scan_results.txt  
# Nmap 7.95 scan initiated Mon Sep 22 21:10:28 2025 as: /usr/lib/nmap/nmap -sS -oN scan_results.txt 192.168.1.0/24  
Nmap scan report for 192.168.1.1  
Host is up (0.0019s latency).  
Not shown: 998 filtered tcp ports (no-response)  
PORT      STATE SERVICE  
135/tcp   open  msrpc  
445/tcp   open  microsoft-ds  
MAC Address: 52:55:C0:A8:01:01 (Unknown)  
  
Nmap scan report for 192.168.1.2  
Host is up (0.0036s latency).  
All 1000 scanned ports on 192.168.1.2 are in ignored states.  
Not shown: 1000 closed tcp ports (reset)  
MAC Address: 08:00:27:7E:CB:E2 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)  
  
Nmap scan report for 192.168.1.3  
Host is up (0.0000010s latency).  
All 1000 scanned ports on 192.168.1.3 are in ignored states.  
Not shown: 1000 closed tcp ports (reset)  
  
# Nmap done at Mon Sep 22 21:10:36 2025 -- 256 IP addresses (3 hosts up) scanned in 8.15 seconds  
  
(root@love)~  
#
```

```
Session Actions Edit View Help
loop txqueuelen 1000 (Local Loopback)
RX packets 8 bytes 480 (480.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 8 bytes 480 (480.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

(root@love)-[~]
# nmap -sS 192.168.1.0/24 -oN scan_results.txt

Starting Nmap 7.95 ( https://nmap.org ) at 2025-09-22 21:10 IST
Nmap scan report for 192.168.1.1
Host is up (0.0019s latency).
Not shown: 998 filtered tcp ports (no-response)
PORT      STATE SERVICE
135/tcp   open  msrpc
445/tcp   open  microsoft-ds
MAC Address: 52:55:C0:A8:01:01 (Unknown)

Nmap scan report for 192.168.1.2
Host is up (0.0036s latency).
All 1000 scanned ports on 192.168.1.2 are in ignored states.
Not shown: 1000 closed tcp ports (reset)
MAC Address: 08:00:27:7E:CB:E2 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)

Nmap scan report for 192.168.1.3
Host is up (0.0000010s latency).
All 1000 scanned ports on 192.168.1.3 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 256 IP addresses (3 hosts up) scanned in 8.15 seconds

(root@love)-[~]
#
```