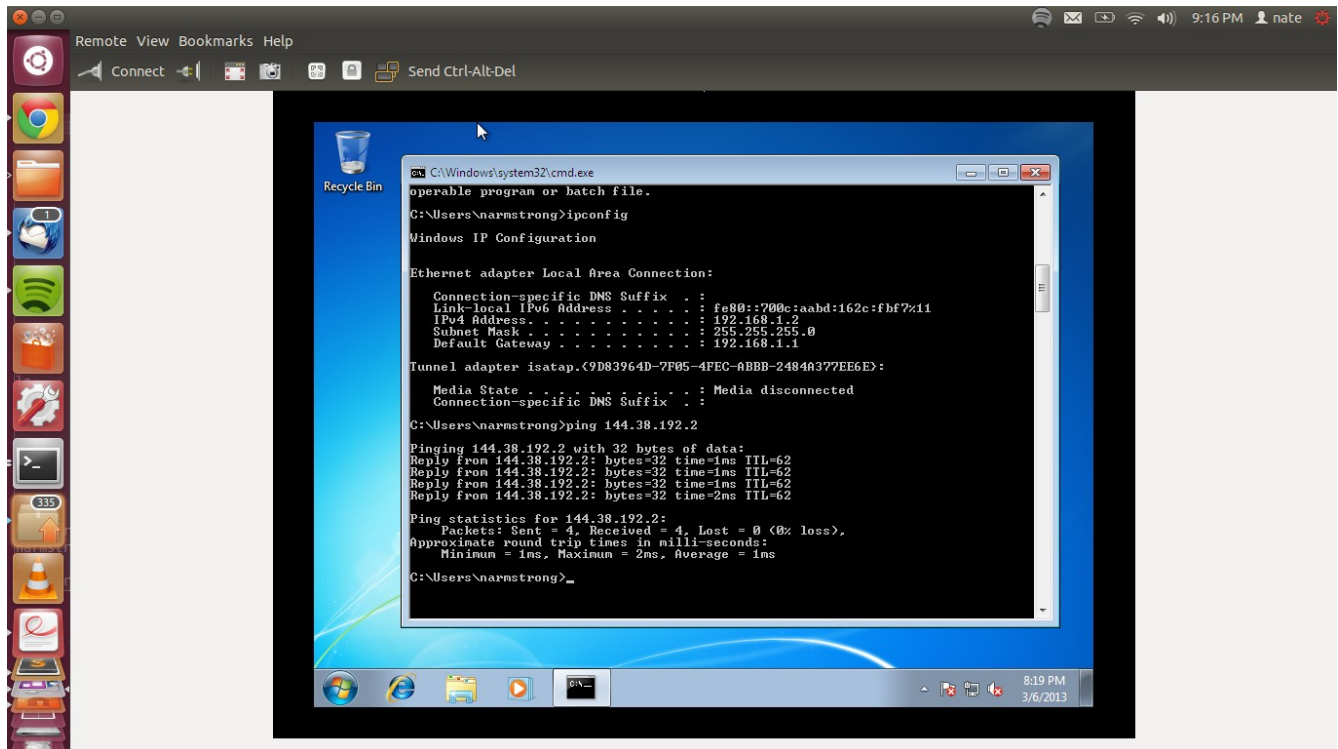


Nate Armstrong
NAT LAB

“The output of ipconfig on your Windows machine. Immediately followed by the output of ping 144.38.192.2.”



The screenshot shows a remote session window with a title bar containing 'Remote View Bookmarks Help'. Below the title bar is a toolbar with icons for 'Connect', 'Send Ctrl-Alt-Del', and other session controls. The main area displays a Windows desktop with a blue background and a taskbar at the bottom. On the desktop, there is a 'Recycle Bin' icon and a command prompt window titled 'C:\Windows\system32\cmd.exe'. The command prompt shows the following output:

```
C:\Windows\system32\cmd.exe
operable program or batch file.
C:\Users\narmstrong>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::700c:aabd:162c:fbf7%11
    IPv4 Address. . . . . : 192.168.1.2
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

Tunnel adapter isatap.{9D83964D-7F05-4FEC-ABBB-2484A377EE6E}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\narmstrong>ping 144.38.192.2

Pinging 144.38.192.2 with 32 bytes of data:
Reply from 144.38.192.2: bytes=32 time=1ms TTL=62
Reply from 144.38.192.2: bytes=32 time=1ms TTL=62
Reply from 144.38.192.2: bytes=32 time=1ms TTL=62
Reply from 144.38.192.2: bytes=32 time=2ms TTL=62

Ping statistics for 144.38.192.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\Users\narmstrong>
```

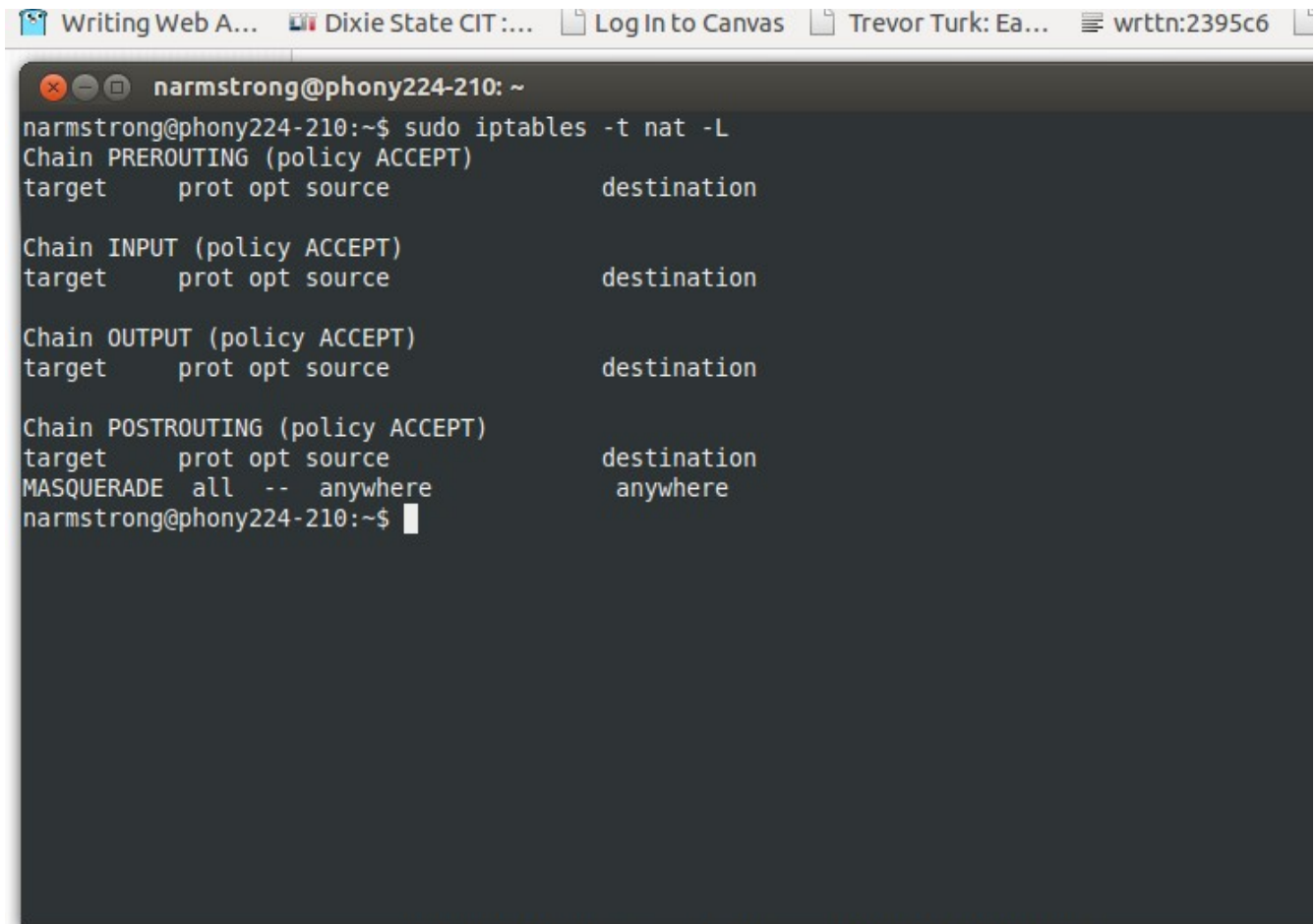
The taskbar at the bottom of the desktop shows the Start button, several application icons, and a system tray with the time '8:19 PM' and date '3/6/2013'.

“The output of ifconfig on your Linux machine”

```
narmstrong@phony224-210: ~  
1  
narmstrong@phony224-210:~$ ifconfig  
eth0      Link encap:Ethernet  HWaddr 52:54:00:08:02:34  
          inet addr:144.38.210.226  Bcast:144.38.210.231  Mask:255.255.255.248  
          inet6 addr: fe80::5054:ff:fe08:234/64 Scope:Link  
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
          RX packets:1029 errors:0 dropped:0 overruns:0 frame:0  
          TX packets:418 errors:0 dropped:0 overruns:0 carrier:0  
          collisions:0 txqueuelen:1000  
          RX bytes:117851 (117.8 KB)  TX bytes:53178 (53.1 KB)  
          Interrupt:10 Base address:0x4000  
  
eth0:0    Link encap:Ethernet  HWaddr 52:54:00:08:02:34  
          inet addr:192.168.1.1  Bcast:192.168.1.255  Mask:255.255.255.0  
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
          Interrupt:10 Base address:0x4000  
  
lo        Link encap:Local Loopback  
          inet addr:127.0.0.1  Mask:255.0.0.0  
          inet6 addr: ::1/128 Scope:Host  
          UP LOOPBACK RUNNING  MTU:16436  Metric:1  
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0  
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0  
          collisions:0 txqueuelen:0  
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)  
  
narmstrong@phony224-210:~$
```

- The output of `iptables -t nat -L` on your Linux machine

“The output of iptables -t nat -L on your Linux machine”



The screenshot shows a terminal window titled 'narmstrong@phony224-210: ~'. The user has executed the command 'sudo iptables -t nat -L'. The output displays the configuration for the NAT table, showing four chains: PREROUTING, INPUT, OUTPUT, and POSTROUTING. Each chain has a policy of 'ACCEPT'. The PREROUTING, INPUT, and OUTPUT chains have no rules. The POSTROUTING chain has one rule: 'MASQUERADE all -- anywhere anywhere'.

```
narmstrong@phony224-210: ~  
narmstrong@phony224-210:~$ sudo iptables -t nat -L  
Chain PREROUTING (policy ACCEPT)  
target    prot opt source                destination  
  
Chain INPUT (policy ACCEPT)  
target    prot opt source                destination  
  
Chain OUTPUT (policy ACCEPT)  
target    prot opt source                destination  
  
Chain POSTROUTING (policy ACCEPT)  
target    prot opt source                destination  
MASQUERADE all  --  anywhere              anywhere  
narmstrong@phony224-210:~$
```

- The output of `iptables -t nat -L` on your Linux machine