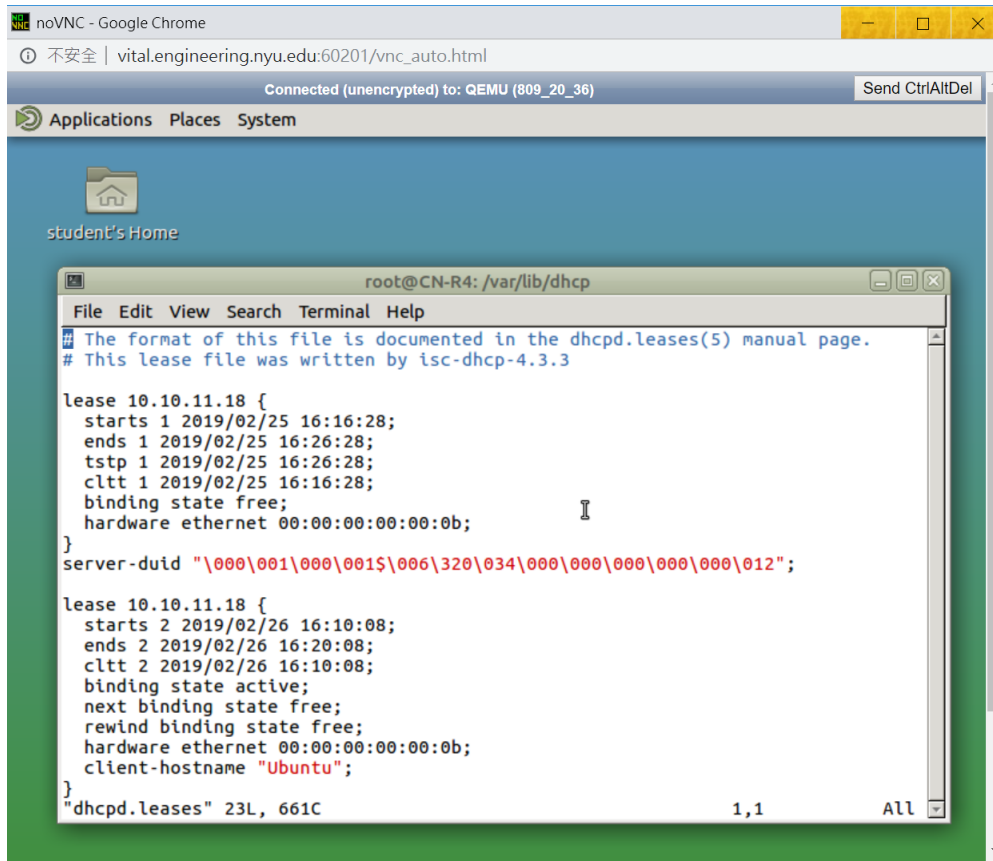


1. The leases files to verify that Ubuntu has obtained an IP address.

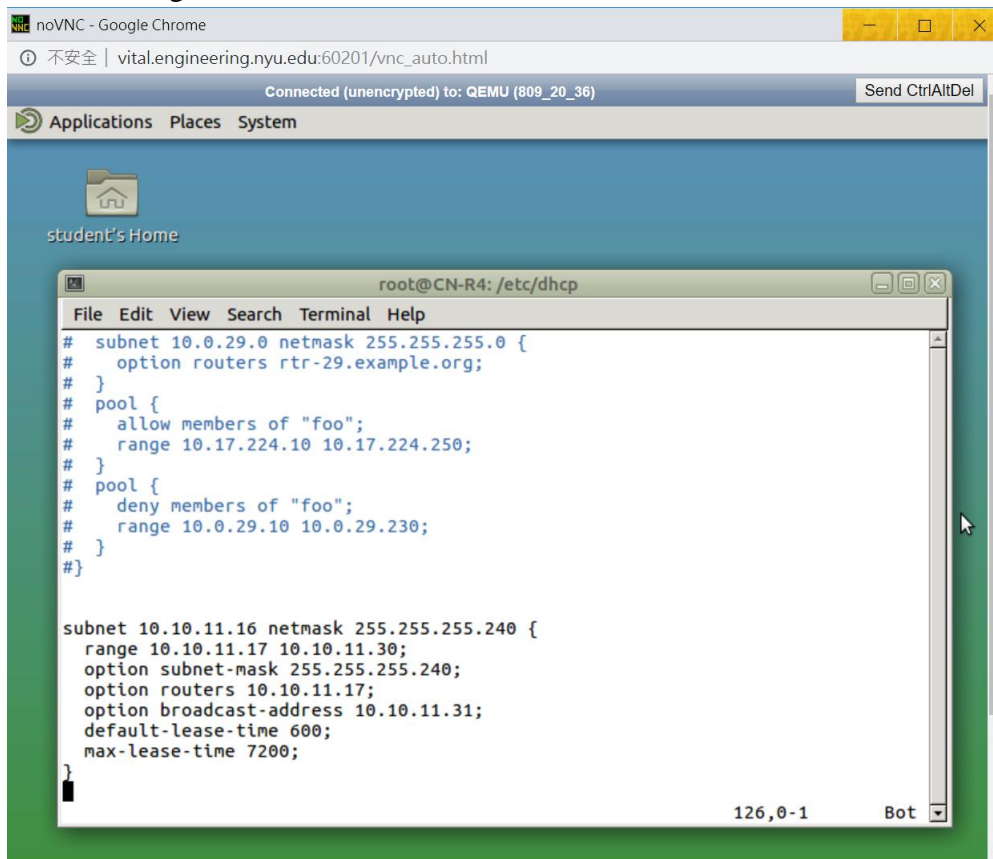


```
root@CN-R4: /var/lib/dhcpd
File Edit View Search Terminal Help
# The format of this file is documented in the dhcpd.leases(5) manual page.
# This lease file was written by isc-dhcp-4.3.3

lease 10.10.11.18 {
  starts 1 2019/02/25 16:16:28;
  ends 1 2019/02/25 16:26:28;
  tstp 1 2019/02/25 16:26:28;
  cltt 1 2019/02/25 16:16:28;
  binding state free;
  hardware ethernet 00:00:00:00:00:0b;
}
server-uid "\000\001\000\001$\006\320\034\000\000\000\000\000\012";

lease 10.10.11.18 {
  starts 2 2019/02/26 16:10:08;
  ends 2 2019/02/26 16:20:08;
  cltt 2 2019/02/26 16:10:08;
  binding state active;
  next binding state free;
  rewind binding state free;
  hardware ethernet 00:00:00:00:00:0b;
  client-hostname "Ubuntu";
}
"dhcpd.leases" 23L, 661C 1,1 All
```

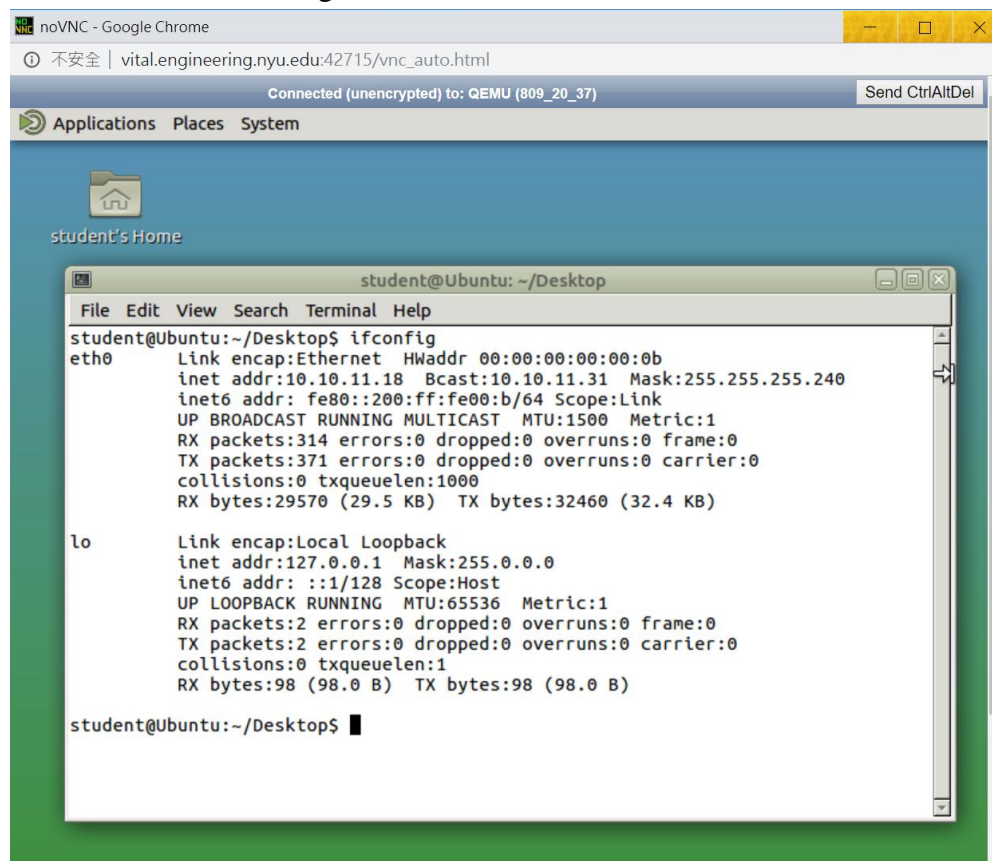
2. Your configuration for the DHCP server.



```
root@CN-R4: /etc/dhcpd
File Edit View Search Terminal Help
# subnet 10.0.29.0 netmask 255.255.255.0 {
#   option routers rtr-29.example.org;
# }
# pool {
#   allow members of "foo";
#   range 10.17.224.10 10.17.224.250;
# }
# pool {
#   deny members of "foo";
#   range 10.0.29.10 10.0.29.230;
# }
#}

subnet 10.10.11.16 netmask 255.255.255.240 {
  range 10.10.11.17 10.10.11.30;
  option subnet-mask 255.255.255.240;
  option routers 10.10.11.17;
  option broadcast-address 10.10.11.31;
  default-lease-time 600;
  max-lease-time 7200;
}
126,0-1 Bot
```

### 3. Screenshots of ifconfig on Ubuntu

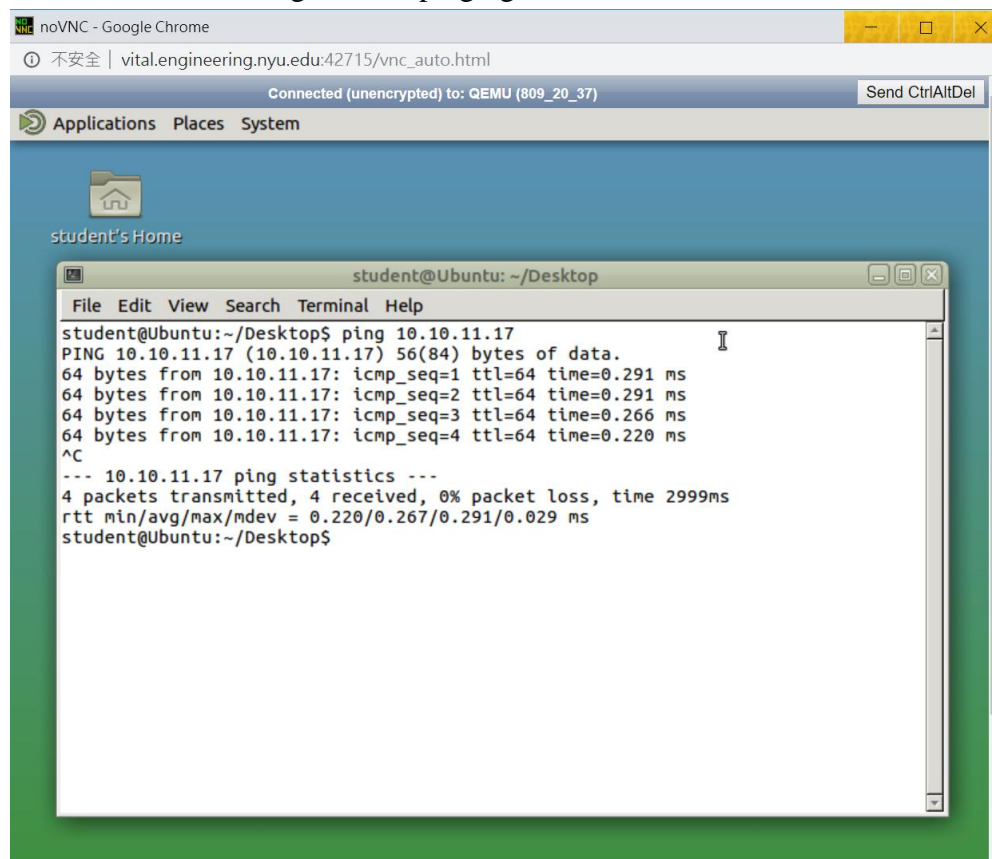


```
student@Ubuntu: ~/Desktop
File Edit View Search Terminal Help
student@Ubuntu:~/Desktop$ ifconfig
eth0      Link encap:Ethernet  HWaddr 00:00:00:00:00:0b
          inet addr:10.10.11.18  Bcast:10.10.11.31  Mask:255.255.255.240
          inet6 addr: fe80::200:ff:fe00:b/64  Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:314 errors:0 dropped:0 overruns:0 frame:0
          TX packets:371 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:29570 (29.5 KB)  TX bytes:32460 (32.4 KB)

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:65536  Metric:1
          RX packets:2 errors:0 dropped:0 overruns:0 frame:0
          TX packets:2 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1
          RX bytes:98 (98.0 B)  TX bytes:98 (98.0 B)

student@Ubuntu:~/Desktop$
```

### 4. Screenshots showing Ubuntu pinging R4



```
student@Ubuntu:~/Desktop$ ping 10.10.11.17
PING 10.10.11.17 (10.10.11.17) 56(84) bytes of data.
64 bytes from 10.10.11.17: icmp_seq=1 ttl=64 time=0.291 ms
64 bytes from 10.10.11.17: icmp_seq=2 ttl=64 time=0.291 ms
64 bytes from 10.10.11.17: icmp_seq=3 ttl=64 time=0.266 ms
64 bytes from 10.10.11.17: icmp_seq=4 ttl=64 time=0.220 ms
^C
--- 10.10.11.17 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 2999ms
rtt min/avg/max/mdev = 0.220/0.267/0.291/0.029 ms
student@Ubuntu:~/Desktop$
```