Nathanael Bayard TP6 Réseau L2 Info

Figure 1 :

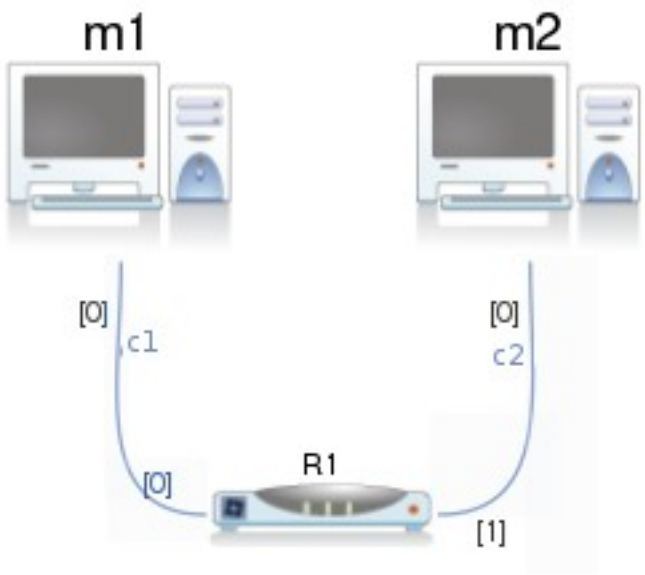


Figure 2 :

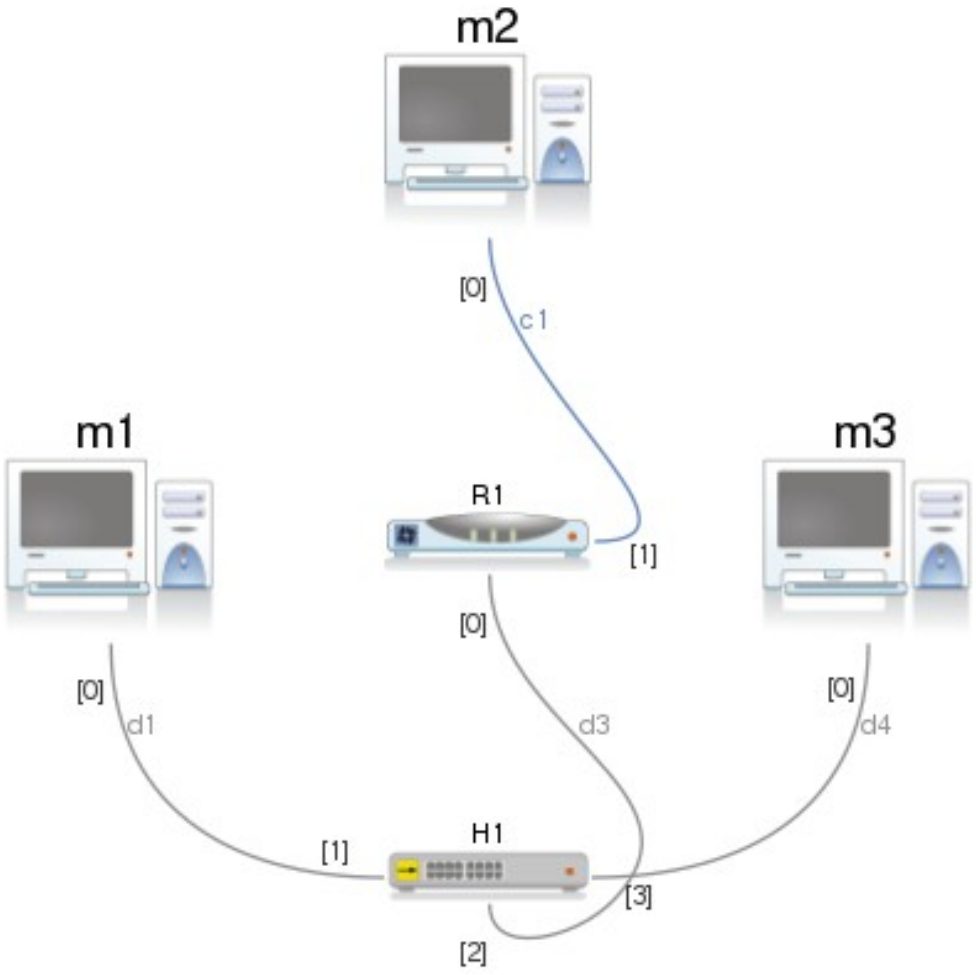


Figure 3 :

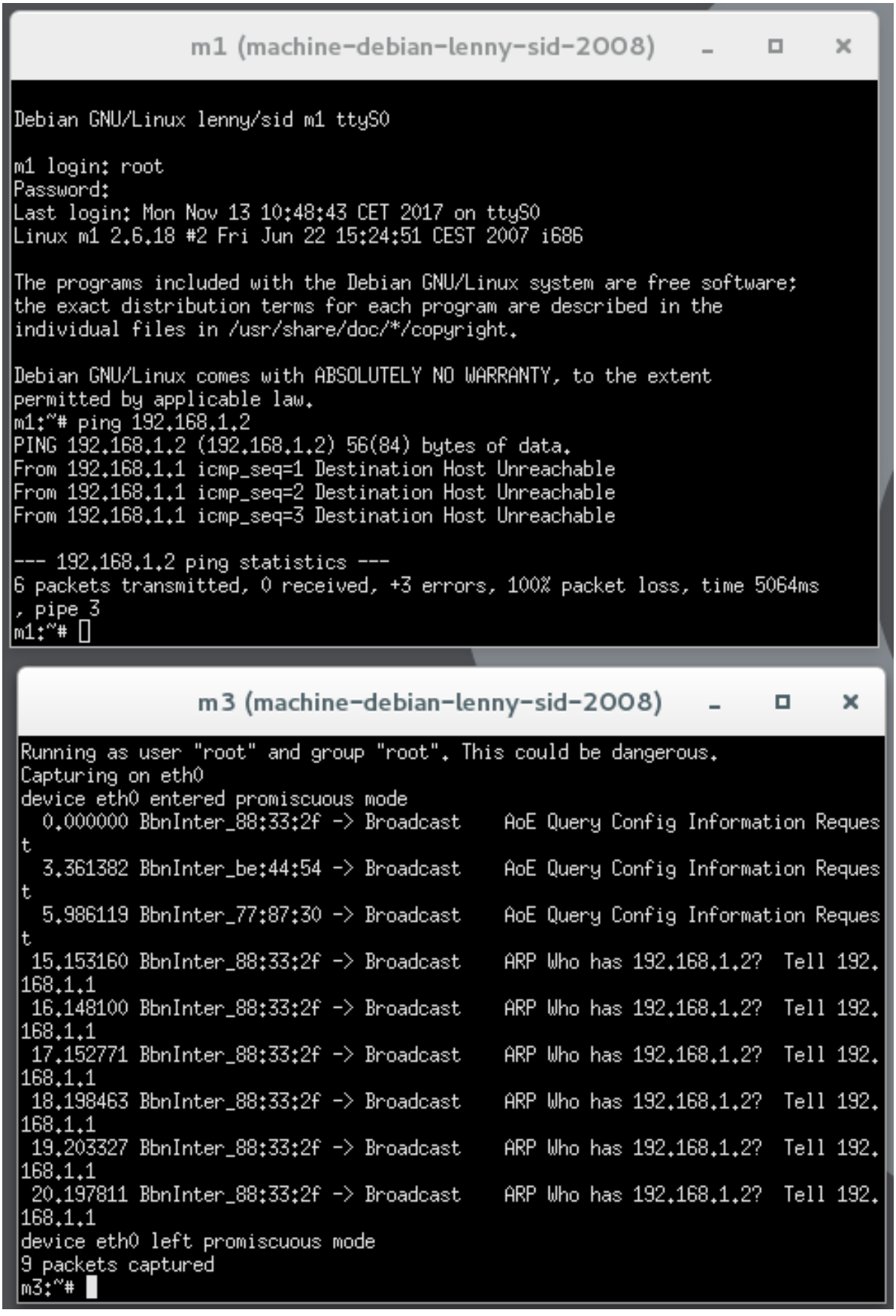

m1 (machine-debian-lenny-sid-2008)
Debian GNU/Linux lenny/sid m1 ttyS0
m1 login: root
Password:
Last login: Mon Nov 13 10:48:43 CET 2017 on ttyS0
Linux m1 2.6.18 #2 Fri Jun 22 15:24:51 CEST 2007 i686
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
m1:~# ping 192.168.1.2
PING 192.168.1.2 (192.168.1.2) 56(84) bytes of data.
From 192.168.1.1 icmp_seq=1 Destination Host Unreachable
From 192.168.1.1 icmp_seq=2 Destination Host Unreachable
From 192.168.1.1 icmp_seq=3 Destination Host Unreachable
--- 192.168.1.2 ping statistics ---
6 packets transmitted, 0 received, +3 errors, 100% packet loss, time 5064ms
, pipe 3
m1:~#
m3 (machine-debian-lenny-sid-2008)
Running as user "root" and group "root". This could be dangerous.
Capturing on eth0
device eth0 entered promiscuous mode
0.000000 BbnInter_88:33:2f -> Broadcast AoE Query Config Information Reques
t
3.361382 BbnInter_be:44:54 -> Broadcast AoE Query Config Information Reques
t
5.986119 BbnInter_77:87:30 -> Broadcast AoE Query Config Information Reques
t
15.153160 BbnInter_88:33:2f -> Broadcast ARP Who has 192.168.1.2? Tell 192.
168.1.1
16.148100 BbnInter_88:33:2f -> Broadcast ARP Who has 192.168.1.2? Tell 192.
168.1.1
17.152771 BbnInter_88:33:2f -> Broadcast ARP Who has 192.168.1.2? Tell 192.
168.1.1
18.198463 BbnInter_88:33:2f -> Broadcast ARP Who has 192.168.1.2? Tell 192.
168.1.1
19.203327 BbnInter_88:33:2f -> Broadcast ARP Who has 192.168.1.2? Tell 192.
168.1.1
20.197811 BbnInter_88:33:2f -> Broadcast ARP Who has 192.168.1.2? Tell 192.
168.1.1
device eth0 left promiscuous mode
9 packets captured
m3:~#

Figure 4 :

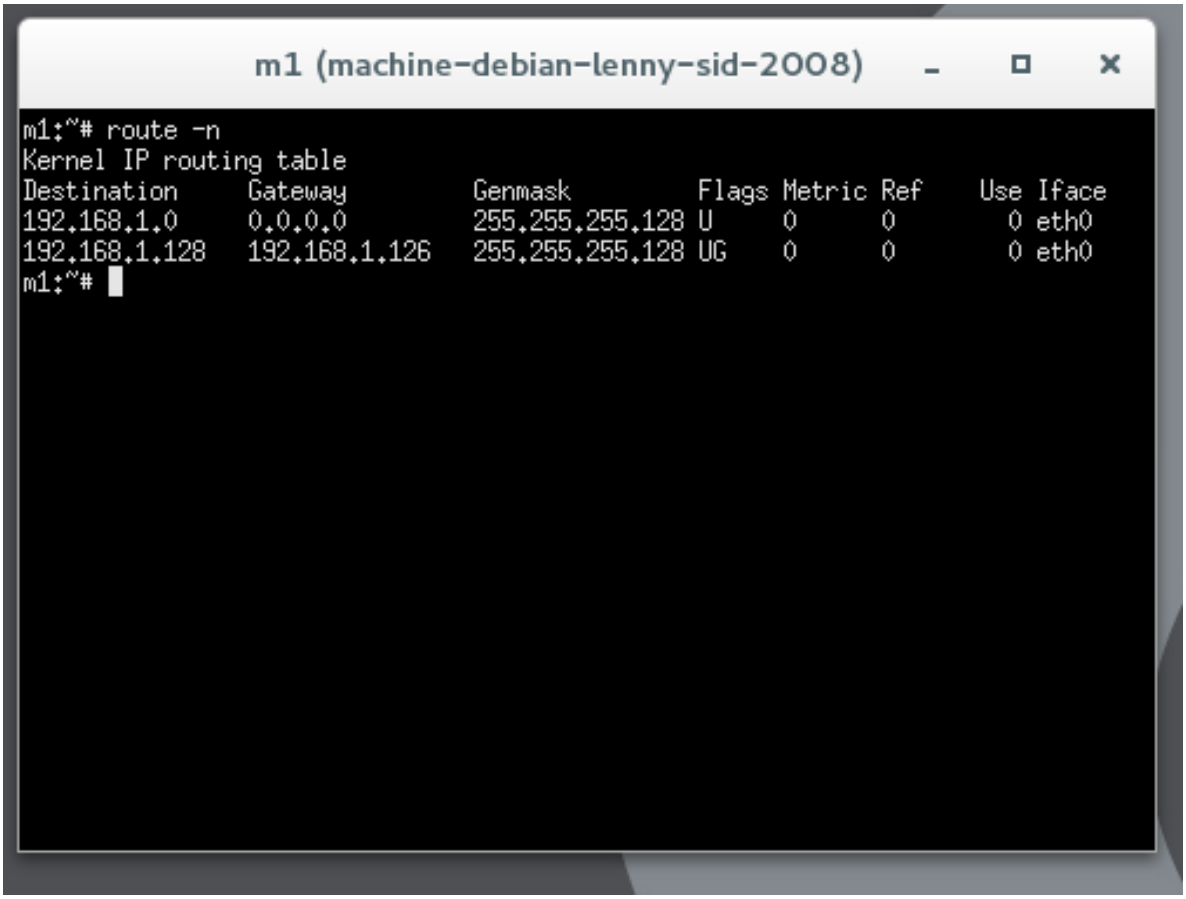
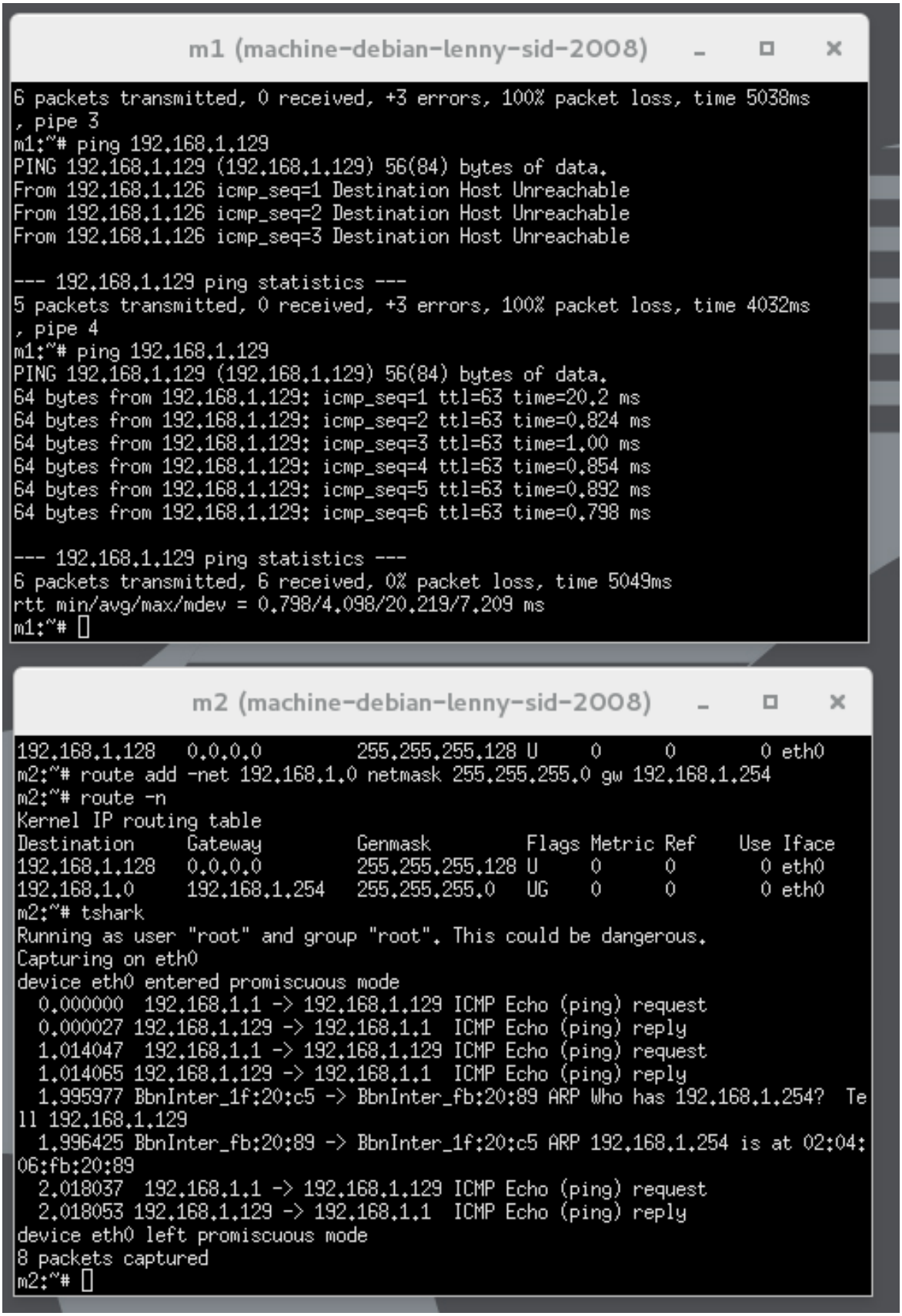

m1 (machine-debian-lenny-sid-2008)
m1:~# route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
192.168.1.0 0.0.0.0 255.255.255.128 U 0 0 0 eth0
192.168.1.128 192.168.1.126 255.255.255.128 UG 0 0 0 eth0
m1:~#

Figure 5 :


m1 (machine-debian-lenny-sid-2008)
6 packets transmitted, 0 received, +3 errors, 100% packet loss, time 5038ms
, pipe 3
m1:~# ping 192.168.1.129
PING 192.168.1.129 (192.168.1.129) 56(84) bytes of data.
From 192.168.1.126 icmp_seq=1 Destination Host Unreachable
From 192.168.1.126 icmp_seq=2 Destination Host Unreachable
From 192.168.1.126 icmp_seq=3 Destination Host Unreachable
--- 192.168.1.129 ping statistics ---
5 packets transmitted, 0 received, +3 errors, 100% packet loss, time 4032ms
, pipe 4
m1:~# ping 192.168.1.129
PING 192.168.1.129 (192.168.1.129) 56(84) bytes of data.
64 bytes from 192.168.1.129: icmp_seq=1 ttl=63 time=20.2 ms
64 bytes from 192.168.1.129: icmp_seq=2 ttl=63 time=0.824 ms
64 bytes from 192.168.1.129: icmp_seq=3 ttl=63 time=1.00 ms
64 bytes from 192.168.1.129: icmp_seq=4 ttl=63 time=0.854 ms
64 bytes from 192.168.1.129: icmp_seq=5 ttl=63 time=0.892 ms
64 bytes from 192.168.1.129: icmp_seq=6 ttl=63 time=0.798 ms
--- 192.168.1.129 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5049ms
rtt min/avg/max/mdev = 0.798/4.098/20.219/7.209 ms
m1:~#
m2 (machine-debian-lenny-sid-2008)
192.168.1.128 0.0.0.0 255.255.255.128 U 0 0 0 eth0
m2:~# route add -net 192.168.1.0 netmask 255.255.255.0 gw 192.168.1.254
m2:~# route -n
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
192.168.1.128 0.0.0.0 255.255.255.128 U 0 0 0 eth0
192.168.1.0 192.168.1.254 255.255.255.0 UG 0 0 0 eth0
m2:~# tshark
Running as user "root" and group "root". This could be dangerous.
Capturing on eth0
device eth0 entered promiscuous mode
0.000000 192.168.1.1 -> 192.168.1.129 ICMP Echo (ping) request
0.000027 192.168.1.129 -> 192.168.1.1 ICMP Echo (ping) reply
1.014047 192.168.1.1 -> 192.168.1.129 ICMP Echo (ping) request
1.014065 192.168.1.129 -> 192.168.1.1 ICMP Echo (ping) reply
1.995977 BbnInter_1f:20:c5 -> BbnInter_fb:20:89 ARP Who has 192.168.1.254? Te
ll 192.168.1.129
1.996425 BbnInter_fb:20:89 -> BbnInter_1f:20:c5 ARP 192.168.1.254 is at 02:04:
06:fb:20:89
2.018037 192.168.1.1 -> 192.168.1.129 ICMP Echo (ping) request
2.018053 192.168.1.129 -> 192.168.1.1 ICMP Echo (ping) reply
device eth0 left promiscuous mode
8 packets captured
m2:~#