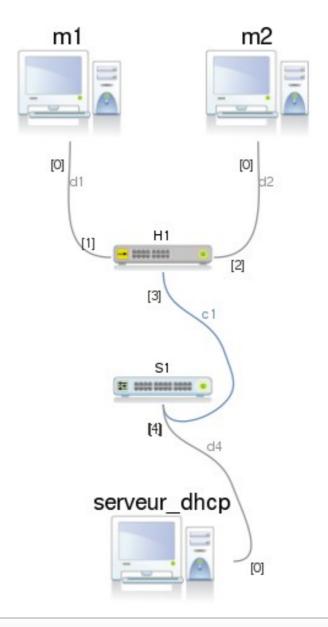
Figure 1:



## Figure 2:

Figure 3:

```
Bec 4 09:11:58 m1 kernel: Hiding /proc/net/dev_snmp6/eth42...

Bec 4 09:11:58 m1 kernel: Hiding /proc/net/dev_snmp6/eth42...

Bec 4 09:12:05 m1 /USR/SBIN/CRON[2248]: (root) CMD (/usr/bin/test -x /usr/sbin/autodns-dhcp_cron && /usr/sbin/autodns-dhcp_cron)

Bec 4 09:12:09 m1 kernel: eth42: no IPv6 routers present

Bec 4 09:13:01 m1 /USR/SBIN/CRON[2252]: (root) CMD (/usr/bin/test -x /usr/sbin/autodns-dhcp_cron && /usr/sbin/autodns-dhcp_cron)

Bec 4 09:14:02 m1 /USR/SBIN/CRON[2252]: (root) CMD (/usr/bin/test -x /usr/sbin/autodns-dhcp_cron && /usr/sbin/autodns-dhcp_cron)

Bec 4 09:14:47 m1 dhcpd: Internet Systems Consortium BHCP Server V3.1.1

Bec 4 09:14:47 m1 dhcpd: Copyright 2004-2008 Internet Systems Consortium.

Bec 4 09:14:47 m1 dhcpd: For info, please visit http://www.isc.org/sw/dhcp/

Bec 4 09:14:47 m1 dhcpd: Decyright 2004-2008 Internet Systems Consortium.

Bec 4 09:14:47 m1 dhcpd: Gopyright 2004-2008 Internet Systems Consortium.

Bec 4 09:14:47 m1 dhcpd: For info, please visit http://www.isc.org/sw/dhcp/

Bec 4 09:14:47 m1 dhcpd: Gopyright 2004-2008 Internet Systems Consortium.

Bec 4 09:14:47 m1 dhcpd: Decyright 2004-2008 Internet Systems Consortium.

Bec 4 09:14:47 m1 dhcpd: Mirote 0 leases to leases file.

Bec 4 09:14:48 m1 dhcpd: Wirote 0 leases to leases file.

Bec 4 09:14:48 m1 dhcpd: Wirote 0 leases to leases file.

Bec 4 09:14:48 m1 dhcpd: Not configured to listen on any interfaces!

Bec 4 09:14:48 m1 dhcpd: Not configured to listen on any interfaces!
```

## Figure 4:

```
Internet Systems Consortium DHCP Client V3.1.1
Copyright 2004–2008 Internet Systems Consortium.
All rights reserved.
For info, please visit http://www.isc.org/sw/dhcp/
ADDRCONF(NETDEV_UP): bond0: link is not ready
Listening on LPF/dummy0/de:8d:5b:7d:72:e4
            LPF/dummy0/de;8d;5b;7d;72;e4
Sending on
Listening on LPF/bond0/00:00:00:00:00:00
            LPF/bond0/00:00:00:00:00:00
Sending on
Listening on LPF/eth0/02:04:06:fe:b2:99
            LPF/eth0/02:04:06:fe:b2:99
Sending on
Sending on
            Socket/fallback
DHCPDISCOVER on dummyO to 255.255.255.255 port 67 interval 8
DHCPDISCOVER on bondO to 255,255,255,255 port 67 interval 8
DHCPDISCOVER on ethO to 255,255,255,255 port 67 interval 6
DHCPOFFER from 192,168,1,250
DHCPREQUEST on eth0 to 255.255.255.255 port 67
DHCPACK from 192,168,1,250
bound to 192,168,1,1 -- renewal in 285 seconds.
```

## Figure 5:

```
serveur_dhcp (machine-debian-lenny-sid-20...
                                                                    The format of this file is documented in the dhcpd, leases(5) manual page.
 This lease file was written by isc-dhcp-V3.1.1
lease 192,168,1,1 {
 starts 1 2017/12/04 08:27:12;
 ends 1 2017/12/04 08:37:12;
cltt 1 2017/12/04 08:27:12;
 binding state active;
 next binding state free;
 hardware ethernet 02:04:06:fe:b2:99;
lease 192,168,1,1 {
 starts 1 2017/12/04 08:31:57;
 ends 1 2017/12/04 08:41:57;
 cltt 1 2017/12/04 08:31:57;
 binding state active;
 next binding state free;
 hardware ethernet 02:04:06:fe:b2:99;
(END)
```

Figure 6:

```
_ 0
                      m1 (machine-debian-lenny-sid-2008)
                                                                                                ×
m1:~# ifconfig
            Link encap;Ethernet HWaddr 00;00;00;00;00;00
UP BROADCAST MASTER MULTICAST MTU;1500 Metric;1
bond0
            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)
           Link encap:Ethernet HWaddr de:8d:5b:7d:72:e4 inet6 addr: fe80::dc8d:5bff:fe7d:72e4/64 Scope:Link UP BROADCAST RUNNING NOARP MTU:1500 Metric:1
dummy0
            RX packets:0 errors:0 dropped:0 overruns:0 frame:0
            TX packets:33 errors:0 dropped:0 overruns:0 carrier:0
            collisions:0 txqueuelen:0
            RX bytes:0 (0.0 B) TX bytes:6440 (6.2 KiB)
            Link encap:Ethernet HWaddr 02:04:06:fe:b2:99
eth0
            inet addr:192.168.1.1 Bcast:192.168.1.255 Mask:255.255.255.0 inet6 addr: fe80::4:6ff:fefe:b299/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
            RX packets:175 errors:0 dropped:0 overruns:0 frame:0
            TX packets:99 errors:0 dropped:0 overruns:0 carrier:0 collisions:0 txqueuelen:1000
            RX bytes:4994 (4.8 KiB) TX bytes:5094 (4.9 KiB)
            Interrupt:5
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:88 errors:0 dropped:0 overruns:0 frame:0
            TX packets:88 errors:0 dropped:0 overruns:0 carrier:0
            collisions:0 txqueuelen:0
            RX bytes:2000 (1.9 KiB) TX bytes:2000 (1.9 KiB)
m1:"#
```

Figure 7:

```
m1 (machine-debian-lenny-sid-2008)
                                                              _ 0
                                                                          ×
m1:~# tshark
Running as user "root" and group "root". This could be dangerous.
Capturing on ethO
device ethO entered promiscuous mode
  0.000000 BbnInter_fe:b2:99 -> Broadcast
                                          AoE Query Config Information Request
 0.647054 BbnInter_73:7a:34 -> Broadcast
                                          AoE Query Config Information Request
               0.0.0.0 -> 255.255.255.255 DHCP DHCP Discover - Transaction ID 0x
16.396673
766c33f
16.418021 BbnInter_8c:06:7a -> Broadcast
                                          ARP Who has 192,168,1,2? Tell 192,1
8.1.250
17,380603 192,168,1,250 -> 192,168,1,2 DHCP DHCP Offer
                                                        - Transaction ID 0xa7
17,381145
               0.0.0.0 -> 255.255.255.255 DHCP DHCP Request - Transaction ID 0x
766c33f
17.422169 BbnInter_8c:06:7a -> Broadcast
                                          ARP Who has 192.168.1.2? Tell 192.1
8.1.250
17,674038 192,168,1,250 -> 192,168,1,2 DHCP DHCP ACK
                                                        - Transaction ID 0xa7
6c33f
ARP Who has 192.168.1.2? Tell 192.1
8,1,250
18.418922 BbnInter_73;7a;34 -> BbnInter_8c;06;7a ARP 192.168.1.2 is at 02:04:06;
3:7a:34
18,419679 192,168,1,250 -> 192,168,1,2 ICMP Echo (ping) request
18,419703 192,168,1,2 -> 192,168,1,250 ICMP Echo (ping) reply
 23,425690 BbnInter_73;7a;34 -> BbnInter_8c;06;7a ARP Who has 192,168,1,250? Tel
 192.168.1.2
 23.426062 BbnInter_8c:06:7a -> BbnInter_73:7a:34 ARP 192.168.1.250 is at 02:04:0
:8c:06:7a
31.105529 BbnInter_8c:06:7a -> Broadcast AoE Query Config Information Request
```

## Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. Figure 8: m2:~# dhclient Internet Systems Consortium DHCP Client V3.1.1 Copyright 2004-2008 Internet Systems Consortium. All rights reserved. For info, please visit http://www.isc.org/sw/dhcp/ ADDRCONF(NETDEV\_UP): bond0: link is not ready Listening on LPF/dummyO/fa:1f:11:82:db:68 Sending on LPF/dummy0/fa:1f:11:82:db:68 Listening on LPF/bond0/00:00:00:00:00:00 Sending on LPF/bond0/00:00:00:00:00:00 Listening on LPF/eth0/02:04:06:73:7a:34 LPF/eth0/02:04:06:73:7a:34 Sending on Socket/fallback Sending on DHCPDISCOVER on dummyO to 255,255,255,255 port 67 interval 5 DHCPDISCOVER on eth0 to 255,255,255,255 port 67 interval 7 DHCPOFFER from 192,168,1,250 DHCPREQUEST on eth0 to 255,255,255,255 port 67 DHCPACK from 192,168,1,250 bound to 192,168,1,2 -- renewal in 244 seconds. m2:~#