

Improvements that are not yet included on this page:

1. DHCP issue resolved
2. WPA/WPA2 didn't work with the steps I posted originally - Works with the updated instructions.
3. Firewall rules tightened up a bit. (The router is arguably "more secure" from the Wireless clients than with my last set of instructions)

No update yet

Almost a year and still no update of the page... [Towsonu2003](#) 23:21, 7 Sep 2006 (CEST)

obviously dead, need some input on this --[whiteboy](#) 05:26, 14 Dec 2006 (CET)

dnsmasq errors out with Can't bind 192.168.1.1 socket already in use

iptables vs. ebtables?

Is there any reason that isolation of (bridged) wireless interfaces can't be achieved with ebtables? As far as I can tell, I have been able to isolate both wireless interfaces with the following startup script:

```
insmod ebtables
insmod ebtable_filter
insmod ebtable_broute
insmod ebt_ip

#DHCP
ebtables -t filter -I INPUT 1 -p IPv4 --ip-proto udp --ip-dport 67 -j ACCEPT
#DNS
ebtables -t filter -I INPUT 2 -p IPv4 --ip-proto udp --ip-dport 53 -j ACCEPT
ebtables -t filter -I INPUT 3 -p IPv4 --ip-proto tcp --ip-dport 53 -j ACCEPT
#PROTECT ROUTER
ebtables -t filter -I INPUT 4 -p IPv4 -i eth1 --ip-dst 192.168.0.0/16 -j DROP
ebtables -t filter -I INPUT 5 -p IPv4 -i eth2 --ip-dst 192.168.0.0/16 -j DROP

#ISOLATE
ebtables -t filter -I FORWARD 1 -i eth1 -j DROP
ebtables -t filter -I FORWARD 2 -i eth2 -j DROP
ebtables -t filter -I FORWARD 3 -o eth1 -j DROP
ebtables -t filter -I FORWARD 4 -o eth2 -j DROP

#DHCP
ebtables -t filter -I OUTPUT 1 -p IPv4 --ip-proto udp --ip-sport 67 -j ACCEPT
#DNS
ebtables -t filter -I OUTPUT 2 -p IPv4 --ip-proto udp --ip-sport 53 -j ACCEPT
ebtables -t filter -I OUTPUT 3 -p IPv4 --ip-proto tcp --ip-sport 53 -j ACCEPT
#PROTECT ROUTER
ebtables -t filter -I OUTPUT 4 -p IPv4 -o eth1 --ip-src 192.168.0.0/16 -j DROP
ebtables -t filter -I OUTPUT 5 -p IPv4 -o eth2 --ip-src 192.168.0.0/16 -j DROP
```

Talk:Separate_LAN_and_WLAN

--Tag 08:06, 14 February 2020 (CET)

Or, after removing from br0, why is it necessary to attach to a new bridge? Leaving the wireless interfaces unbridged leads to a nice, succinct startup script:

```
iptables -I FORWARD 1 -i eth1 -o ! vlan2 -j DROP
iptables -I FORWARD 2 -i eth2 -o ! vlan2 -j DROP
```

--Tag 21:54, 14 February 2020 (CET)