

Re: configuring ppp and lan

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2006-11/msg03021.html>

- *From:* richard@xxxxxxxxxxxxxx
 - *Date:* Tue, 28 Nov 2006 21:49:18 -0000 (GMT)
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On Tue, Nov 28, 2006 at 12:19:15AM -0000, richard@xxxxxxxxxxxxxx wrote:

with both up I get

```
Destination Gateway Genmask Flags MSS Windo irtt
Iface
joiner.mulinoc * 255.255.255.255 UH 0 0 0 ppp0
192.168.133.0 * 255.255.255.0 U 0 0 0 eth1
default 192.168.133.1 0.0.0.0 UG 0 0 0 eth1
```

Since your wireless router is not connected to the internet, you should not use it as a default gateway. pppd usually does not replace an existing default route, but you can add "replacedefaultroute" to /etc/ppp/options.

Hmm, that sounded good for a minute. But I think the problem is that it is dhclient not pppd that is rewriting the routes, as well as resolv.conf. And it does this very frequently. Both the gprs modem and the AP/router are dhcp servers, so dhclient is trying to serve two masters if both interfaces are up. And the router is the gateway for 192.168.133.x addresses as seen from my gateway machine. The ppp0 interface is the gateway for everything else. so dhclient is writing nonsense. There must be a way to configure it to avoid this. (And to get leases longer than 40sec from the wireless router, too, I hope — it filled 2GB of log activity yesterday. But that is another story.)

Back to the howtos...

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richard

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