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by Admin @ 9:50 am. Filed under [Network](#)

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Activate NAT on Debian etch

What is NAT ?

network address translation (NAT, also known as network masquerading or IP-masquerading) involves re-writing the source and/or destination addresses of IP packets as they pass through a router or firewall. Most systems using NAT do so in order to enable multiple hosts on a [private network](#) to access the Internet using a single public IP address (see gateway). According to specifications, routers should not act in this way, but many network administrators find NAT a convenient technique and use it widely. Nonetheless, NAT can introduce complications in communication between hosts.

First, activate IP forwarding in `/etc/sysctl.conf` and add the following line

```
# Enable packet forwarding
net.ipv4.ip_forward = 1
```

If you have already this line just uncomment

Now you need to restart your [networking services](#) using the following command

```
#/etc/init.d/networking restart
```

Now you need to activate NAT itself in `/etc/network/interfaces`

To disable IPv6 name resolution in Firefox or other Gecko-based browsers, change the following option to true

network.dns.disableIPv6

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