

## Re: [SLE] routing / forwarding urgent help

*Source:* <http://linux.derkeiler.com/Mailing-Lists/SuSE/2005-03/1673.html>

---

*From:* Sandy Drobic ([suse-linux-e\\_at\\_japantest.homelinux.com](mailto:suse-linux-e_at_japantest.homelinux.com))

*Date:* 03/14/05

Date: Mon, 14 Mar 2005 12:52:30 +0100  
To: suse-linux-e <[suse-linux-e@suse.com](mailto:suse-linux-e@suse.com)>

Mohammad Fattahian wrote:

> *Hi sandy;*  
>  
> *Thanks for your reply. Is it the whole of things that I needed?*

>>*I've done : ... echo "1" > /proc/sys/net/ipv4/ip\_forward*

That setting tells the box that forwarding packets between the different interfaces is allowed, the basic requirement for a router.

> *iptables -A FORWARD -m state --state ESTABLISHED,RELATED -j ACCEPT*

This setting expands and says "accept the connections my network has initiated.

Forgot the last basic setting:

```
iptables -A FORWARD -i eth0 -o eth1 -j ACCEPT
```

This rule tells the box to forward anything it receives on interface eth0 to eth1. Basically this is the rule that makes it possible for the internal network to use the box to access the internet.

Please don't forget to set up the dns resolution in /etc/resolv.conf on the clients in the internal network. Otherwise they won't be able to resolve names to ip addresses.

Also note that this only provides basic access to the internet, no security for the clients beside the Network Address Translation at all!

Sandy

PS: Please direct your answers to the list and not my address. Others might benefit from the discussion as well and I do read the list. (^-^)

--

Check the headers for your unsubscription address  
For additional commands send e-mail to [suse-linux-e-help@suse.com](mailto:suse-linux-e-help@suse.com)  
Also check the archives at <http://lists.suse.com>

SuSE: Re: [SLE] routing / forwarding urgent help

Please read the FAQs: [suse-linux-e-faq@suse.com](mailto:suse-linux-e-faq@suse.com)