

Re: Firewall where internal hosts have non-reserved IPs?

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From: Les Mikesell (les@attbi.com)

Date: 10/25/02

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"Jem Berkes" <jb2002-delete-this-AND-users@users.pc9.org> wrote in message news:Xns92AFD2FE59C1Djbdontusepc9org@205.200.16.73...

> *The bridge sounds neat, but the fringe/experimental nature of the
> firewalling scares me a bit. I know I made it sound like the private IP
> addresses on our LAN are out of the question, but in reality this is
> looking like it might be a better option simply because it's easier and
> I'm really screwed for time.*
>
> > |— eth0 and eth1 have no IP address, right?
> >
> > *If it's a router, yes they do.*
>
> > *Thanks, I had not realized that before.*
>
> > *You have to ask for a subnet of the University's IP range so that your
> > firewall routes to this subnet.*
>
> > *OK, that one is really going to be near impossible. Given that there's no
> way they're going to give our rather small LAN a whole subnet, do I
> > pretty much have to go with the private IP/NAT approach?*

The least disruptive way to do this is give the LAN side of the firewall the ip address previously assigned to the router ethernet, then use a different 4-host subnet (private if necessary) for the router <—> outside ethernet connection. The router will then need a static route pointing to the firewall for the previously-connected subnet or you could run some routing protocol there. You can either run DHCP on the Linux box or relay to the original server with dhcrelay.

However unless you need to support inbound connections to machines behind the firewall I'd say you would be better off with NAT and private addresses.

comp.os.linux.security: Re: Firewall where internal hosts have non-reserved IPs?

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- ***Next message:*** : "Re: Reboot in output from "last":"
- ***Previous message:*** : "Re: Secure FTPD (SSL)"
- ***In reply to:*** Jem Berkes: "Re: Firewall where internal hosts have non-reserved IPs?"
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