

Re: Reverse IP NAT to secondary IP address

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2003-10/0217.html>

_at_babolo.ru

Date: 10/26/03

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Date: Sun, 26 Oct 2003 03:32:28 +0300 (MSK)

[Charset ISO-8859-1 unsupported, converting...]

> *Hi there!*

>

> *I'm trying to solve a situation that I have with a device which needs*

> *SNMP polling, but is not normally reachable to the outside world,*

> *because it cannot install a default gateway.*

>

> *In short, a situation scetch:*

>

>

>

>

> *SNMP-server (192.168.2.2/24)*

>

> -----

> +-----+ +-----+

> /

> / WWW |-----| Gateway |-----+

> +-----+

> +-----+ /

> *192.168.0.2/24 192.168.0.1 IP: 195.x.x.x*

> *\-----> Internet (0.0.0.0)*

> *(rl0) Alias:*

> *192.168.2.1*

>

> *(ed0)*

>

> *Now what I am trying to do is get statistics from the SNMP-server into*

> *the WWW box, but I am stuck on the following:*

>

> *WWW is a FreeBSD-4.8 box.*

> *Gateway is a FreeBSD-4.8 box with IP Filter*

> *Since the SNMP-server does not have a default route, the traffic needs*

> *to originate from an IP address within the same subnet as the Gateway.*

> *To that end, I have added an alias IP of 192.168.2.1 to the gateway.*

> *When I run an snmpwalk from the gateway all goes fine.*

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>
> *Since the traffic is coming from WWW and heading through the Gateway,*
> *which does not bridge, I have to perform some form of NATting in the*
> *gateway.*
>
> *I've been searching and attempting various redirects and map entries,*
> *and am now stuck at:*
>
> *map rl0 from 192.168.0.0/24 to 192.168.2.0/24 port = 161 -> 192.168.2.1/32*
>
> *I think I'm close .. can someone give me the final hint ? ;-)*
configure port with SNMP-server as 192.168.0.17/30 for example
instead 192.168.2.1/24, and
sysctl net.link.ether.inet.proxyall=1

and configure SNMP-server as 192.168.0.18/24

If you can change mask of SNMP-server, you can
use 192.168.0/24 and 192.168.1/24 on gateway
and 192.168.0/25 on SNMP-server.

No NAT is needed.

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