

## RE: 2 adsl connections load balancing with natd/ipfw

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/isp/2004-05/0073.html>

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**From:** Mitch (bitblock) ([mitch\\_at\\_bitblock.com](mailto:mitch_at_bitblock.com))

**Date:** 05/26/04

To: "David J. Hughes" <[bambi@Hughes.com.au](mailto:bambi@Hughes.com.au)>, "'Joe Hamelin'" <[joe@nethead.com](mailto:joe@nethead.com)>, freebsd-isp@freebsd.org  
Date: Tue, 25 May 2004 17:59:57 -0700

Hey David – didn't see your reply before I replied to Joe there – any more info appreciated – I have both ends of the solution (I think) – just need to know the best way to config!

Consider these ip's and interfaces... what do I do? Is ISPF lighter weight than BGP (considering the limited deployment?)

```
Client A <-----\  
X.X.X.2 \  
-----> Router <----->  
// X.X.X.1 X.X.Y.2  
X.X.X.3 //  
Client B <-----//  
<-----/  
X.X.X.4
```

Router is FreeBSD based, and Client A and Client B are also FreeBSD based, and have a second interface to the internal networks at Client A and Client B.

I'm wondering if my other problem (the fact that Client A can't see Client B as there is an ATM path for it to Router, but as Client B's addresses are on the same subnet, and not bounced off the Router (and there is no direct ATM path) there is no connection...

Any help or advice greatly appreciated.

Thanks.

m/

> -----Original Message-----  
> From: owner-freebsd-isp@freebsd.org  
> [mailto:owner-freebsd-isp@freebsd.org] On Behalf Of David J. Hughes  
> Sent: Tuesday, May 25, 2004 4:08 PM

freebsd-isp: RE: 2 adsl connections load balancing with natd/ipfw

- > *To: 'Joe Hamelin'; freebsd-isp@freebsd.org*
- > *Subject: RE: 2 adsl connections load balancing with natd/ipfw*
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- >
- > *Actually, that isn't quite correct. You do not need a virtual IP*
- > *address (such as an HSRP or VRRP setup). You just need equal cost*
- > *paths from the ISP to you.*
- >
- > *To achieve this you will need to route an address range from your*
- > *ISP to your network. It can be your address space, a small piece*
- > *of ISP provided space, or even a chunk of private space. Just as*
- > *long as it's routed from the ISP to you via the DSL tails. The*
- > *ISP just needs to see equal cost paths to your prefix via BOTH*
- > *your DSL tails. That way they will use both.*
- >
- > *There are several ways to do this (inc running eBGP or OSPF to them*
- > *from your equipment). Have a chat with your ISP to see what options*
- > *they would consider.*
- >
- >
- > *David*

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freebsd-isp@freebsd.org mailing list

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