

Re: Routing and bandwidth problem

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From: Crucificator (*crucificator_at_xnet.ro*)

Date: 05/05/04

To: "General Red Hat Linux discussion list" <redhat-list@redhat.com>

Date: Wed, 5 May 2004 14:46:46 +0300

why not use virtual adapters with ip's from different networks and use only one card?

----- Original Message -----

From: "Rodolfo J. Paiz" <rpaiz@simpaticus.com>

To: <fedora-list@redhat.com>; <redhat-list@redhat.com>

Sent: Wednesday, May 05, 2004 5:36 AM

Subject: Routing and bandwidth problem

> Hey...

>

> *I have no idea of which FM to R here, so I will happily accept pointers to good documentation and HOWTO documents. Any other help is also welcome, as I will need to solve this problem very soon. The problem is this:*

>

> *My small business is one of four tenants in a small building. The other three have agreed to allow me to buy one big connection and then resell service to them, such that they get a better price and I get to subsidize my own Internet service. However, while I **could** set this up quickly without any controls, they each want different service levels and amounts of bandwidth and will be paying different prices, so I want to do this properly.*

>

> *The firewall/gateway will run Fedora Core 1. I think I need **five** Ethernet*

> *adapters in the server (eth0 to the ISP, and eth1-eth4 to the four tenants)*

> *so that each client is properly isolated into their own network and cannot access the other clients' computers. If there is a way to do this securely and safely without a gaggle of Ethernet cards, please do tell! I can think of doing this with 801.2q VLAN tagging, but that requires a managed switch which is far more expensive. It seems to me that multiple Ethernet cards are the simplest **and** cheapest way to do it.*

>

> *I know how to provide masquerading, firewall, gateway, DNS, DHCP, NTP, and other services. What I don't know how to do is the following:*

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