

## Re: Problems setting up Vonage VoIP with FreeBSD + ipfilter

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2004-05/0269.html>

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**From:** Michael W. Oliver ([michael\\_at\\_gargantuan.com](mailto:michael_at_gargantuan.com))

**Date:** 05/21/04

Date: Thu, 20 May 2004 21:32:40 -0400

To: Adam McLaurin <[adam.mclaurin@gmx.net](mailto:adam.mclaurin@gmx.net)>

On 2004-05-20T20:16:57-0400, Adam McLaurin wrote:

- > *So I got set up with Vonage VoIP, which I am really excited to have, but*
- > *I am having a heck of a time getting it set up behind my FreeBSD box.*
- >
- > *My network configuration is as follows:*
- > *Cable modem ---> FreeBSD 5.2.1-R (ipf/ipnat) ---> 8-port D-Link Switch --->*
- > *Internal network*
- >
- > *The Vonage Voice Terminal (VT) is on port 8 of the switch*
- >
- > *So basically what I need to do is forward the following UDP ports to the*
- > *VT (which I will be assigning 192.168.56.22).*
- > 53
- > 69
- > 5060-5061
- > 10000-20000

Note that you don't need to allow incoming traffic to reach the VT on ports 53 or 69, you need to allow the VT to open outbound connections on those ports (DNS and TFTP, respectively). In addition, I had to open up outbound UDP on port 123 (NTP) as well, because even though I run NTP internally, the ATA's configuration is locked down and can't be changed (thanks Vonage :().

- > *So in my ipf.rules I added the following:*
- > *pass in quick on dc0 proto udp from any to any port 9999 >< 20001*
- > *pass in quick on dc0 proto udp from any to any port = 53*
- > *pass in quick on dc0 proto udp from any to any port = 69*
- > *pass in quick on dc0 proto udp from any to any port = 5060*
- > *pass in quick on dc0 proto udp from any to any port = 5061*
- >
- > *And in the ipnat.rules I added:*
- > *rdr dc0 146.115.126.186/32 port 53 -> 192.168.56.22 port 53 udp*
- > *rdr dc0 146.115.126.186/32 port 69 -> 192.168.56.22 port 69 udp*
- > *rdr dc0 146.115.126.186/32 port 5060 -> 192.168.56.22 port 5060 udp*

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> *rdr dc0 146.115.126.186/32 port 5061 -> 192.168.56.22 port 5061 udp*