

# RE: Failover IP router

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/RedHat/2007-11/msg00288.html>

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- *From:* "Steven Buehler" <[steve@xxxxxxxxxxxx](mailto:steve@xxxxxxxxxxxx)>
  - *Date:* Tue, 27 Nov 2007 20:06:43 -0600
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-----Original Message-----

From: [redhat-list-bounces@xxxxxxxxxx](mailto:redhat-list-bounces@xxxxxxxxxx) [<mailto:redhat-list-bounces@xxxxxxxxxx>] On Behalf Of Barry Brimer  
Sent: Tuesday, November 27, 2007 3:35 PM  
To: General Red Hat Linux discussion list  
Subject: Re: Failover IP router

Quoting Steven Buehler <[steve@xxxxxxxxxxxx](mailto:steve@xxxxxxxxxxxx)>:

I have been googleing for this, but can't seem to find the right answer.

What I am trying to do is to create a failover router on a redhat box.

1. website.com will be on 2 servers
2. website.com has one IP address
3. redhat box router will have the 1 IP address for website.com on

it.

4. website.com server1 will be on 192.168.1.10
5. website.com server2 will be on 192.168.1.11
6. If website.com server1 fails, website.com server2 will take over.

We are not worried about cookies that have been set on server1 to be moved

to server2. We are just worried about the second machine taking over. What

would be better is if it could be a load balancing setup so that it will use

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both servers, but if one fails, people will not notice it because the other

server will then be taking all of the requests.

I have googled for "Linux failover iptables router" and a few other combinations of words, but what I keep finding is failover for the outbound

connections. Having 3 Nic cards 1 going to one ISP, 1 going to another ISP

and one going to the internal network. Maybe I am just using the wrong

wording. Any url links for instructions would be appreciated.

Thank You  
Steve

I believe that you are looking for the load balancing portion of Red Hat Cluster Suite <[http://www.redhat.com/cluster\\_suite/](http://www.redhat.com/cluster_suite/)>

Barry

I found a page at <http://linuxgazette.net/108/odonovan.html> that says to use the following in the iptables:

```
-A PREROUTING -i eth0 -p tcp --dport 80 -m state --state NEW -m nth
--counter 0 --every 4 --packet 0 \
-j DNAT --to-destination 192.168.0.5:80
-A PREROUTING -i eth0 -p tcp --dport 80 -m state --state NEW -m nth
--counter 0 --every 4 --packet 1 \
-j DNAT --to-destination 192.168.0.6:80
-A PREROUTING -i eth0 -p tcp --dport 80 -m state --state NEW -m nth
--counter 0 --every 4 --packet 2 \
-j DNAT --to-destination 192.168.0.7:80
-A PREROUTING -i eth0 -p tcp --dport 80 -m state --state NEW -m nth
--counter 0 --every 4 --packet 3 \
-j DNAT --to-destination 192.168.0.8:80
```

But I get errors because of the "-m nth". Because the servers are already setup, I was hoping that I wouldn't need to redo them for something like the RedHat Cluster Suit. That would require a re-install of the OS wouldn't it? I have never done the RH CS before and they are wanting this all done for a

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demo on Monday. Because of time constraints for the demo, I was hoping on something like the above that could just go into my iptables firewall. After the demo, we could go for something more elaborate like an appliance.

Thanks  
Steve

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