

Re: FreeBSD 2 nic one to route one to DB – how do I?

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.bsd.freebsd.misc/2006-08/msg00625.html>

- *From:* Tim Judd <tjudd@xxxxxxxxxxx>
 - *Date:* Tue, 29 Aug 2006 23:01:55 -0600
-

Who Know wrote:

"Who Know" <jr_115@xxxxxxxxxxx> wrote in message
[news:44f4dc04\\$0\\$13977\\$edfadb0f@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:44f4dc04$0$13977$edfadb0f@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

"Edward Salonia" <esalonia@xxxxxxxx> wrote in message
news:IO6dnYYghv8dUmnZnZ2dnUVZ_v-dnZ2d@xxxxxxxxxxxxxxxxxxxx

Who Know wrote:

"Edward Salonia" <esalonia@xxxxxxxx>
wrote in message
news:ztydnRCD2YEBI2nZnZ2dnUVZ_r2dnZ2d@xxxxxxxxxxxxxxxxxxxx

Who Know wrote:

I have a
lovely
server with
two nics. I
want to
"abuse"
them both :)

The first nic
should
handle the
normal
www traffic
(The outside
card)
The second
nic should
route to the
DB server.

My OS is
FreeBSD

Re: FreeBSD 2 nic one to route one to DB – how do I?

6.1–RELEASE

www=

Apache 2.2

The DB is

Mysql 5.x

My

IP–Addresses

is

87.52.171.128/24

and the IP

to the first

nic is

87.52.171.131

How do I

set this up

to force the

second nic

only to get

to the DB

server

(Only one

nic

installed)

Other

hardware to

use for

networking

build is two

switches

One fare

better than

the second,

therefore I'll

prefer to

only use

that one.

One Cisco

router.

I have been

reading a lot

on this site

http://www.freebsd.org/doc/en_US.ISO8859-1/books/handbook/netw

but i didn't

understand

it :/ mayby I

have been

Re: FreeBSD 2 nic one to route one to DB – how do I?

reading to
little.

Please give
me the
exact
scripting
lines and
setup (For
dummies)

Not sure of the config file
with MySQL but with
regards to apache. There is a
directive to specify what
address/nic it will listen on.
I would guess the same goes
for the sql config file.

My situation is better explained here:

<http://www.vbulletin.org/forum/showthread.php?t=111191>

or if you can't access the page you can see a
copy here:

<http://gndindex.com/showthread.php?p=3410#post3410>

Oh ok, I didn't understand fully... It seems to me, and I could
be wrong. But I don't think you need a public IP for the DB
server. Just put the DB server and the second nic on the
webserver on its own private network. I think that will work
since the Web server will be talking to the db server, not the
public clients accessing the site... As for routing, you should
have to do anything special since from the point of view of
the web server, it will be able to hit both networks it is
attached to.

for example. the webserver will have 2 nic's (1 has pub ip for
http access) (1 for private net between itself and db server for
db connect)

priv nic on webserver 192.168.1.1 255.255.255.252
nic on db server 192.168.132.2 255.255.255.252

Am I any closer to understanding what you want to do?

Very close :) but....

What do I set the defaultrouter="" to on the DB server? and should I add

Re: FreeBSD 2 nic one to route one to DB – how do I?

gateway_enable="YES" and/or router_enable="YES" on the www server?

rc.conf on www server:

```
defaultrouter="87.52.171.129"
hostname="ns0.reck.dk"
ifconfig_em0="inet 87.52.171.131 netmask 255.255.255.224"
inetd_enable="YES"
keymap="danish.iso"
keyrate="fast"
sshd_enable="YES"
usbd_enable="NO"
sendmail_enable="NONE"
xntpd_enable="YES"
xntpd_flags="-g -p /var/run/ntpd.pid"

ifconfig_em1="inet 192.168.1.1 netmask 255.255.255.252"

#gateway_enable="YES"
#router_enable="YES"
#natd_enable="YES"
#natd_interface="87.52.171.131"
```

Make this result: (2 difrent switches)

```
ns0# ping db.reck.dk
PING db.reck.dk (192.168.132.2): 56 data bytes
ping: sendto: No route to host
ping: sendto: No route to host
```

make this result: (same switch)

```
ns0# ping db.reck.dk
PING db.reck.dk (192.168.132.2): 56 data bytes
ping: sendto: No route to host
ping: sendto: No route to host
```

The same happen from db to www server :(

you won't get very far without a proper DNS where th FBSD machine can work with.

You won't get very far between any link or connection with missing information.

So your FBSD machine is dual homed (2 NICs).. how do you want to setup the apache server? example:

```
<Big Internet>
|-> (NIC #1 on FBSD) FBSD NIC
```

Re: FreeBSD 2 nic one to route one to DB – how do I?

Re: FreeBSD 2 nic one to route one to DB – how do I?

\-> (NIC #2 on FBSD) DB server

-OR-

<Big Internet>

|-> FBSD NIC #1

\-> DB server

Option 1 needs both NICs, option 2 only needs one NIC.

Do you have DHCP on your internal network? DNS? Is the FBSD your gateway aka router?

the advantage of option 2 is that anybody in the world can hit your database server, and exploit it, if there's a bug. Big benefit. J/K

The advantage of option 1 is security — you only have one machine exposed.

please post more specs, I won't likely help again without them. Post the specs I asked for above, and I'll consider assisting.

.