

Can I subnet my network like this ?

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/isp/2003-07/0165.html>

From: Supote Leelasupphakorn (*pjn0211_at_yahoo.com*)

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To: freebsd-questions@freebsd.org

Hi, all

I would like to verify my knowledge by building the network like below but not sure whether it's impossible for subnetting like this – say, from Gateway no2, is divided to 172.16.0.0/16 and 172.17.0.0/16 subnet.

I heard that it isn't recommend or impossible (not sure again) to use FIRST or LAST subnet in the allocated IP address pool, is it?

Section no.1 is existed and I own the Gateway no.2. My plan is enable NAT on it by following the instruction in FreeBSD handbook. Any comments are welcome.

```
|
| if_1 = 202.xx.xx.xx
|-----|
| Gateway no.1 || section 1
|-----|
| if_2 = 10.0.0.1 |
|----
||
| if_1 = 10.0.0.254 |
|-----| if_2 = 172.16.0.1/16 | section 2
| Gateway no.2 |-----|
|-----|
| if_3 = 172.17.0.1/16 |
||
```

Thanks in advance,

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