

## Re: [SLE] IP addressing

**Source:** <http://linux.derkeiler.com/Mailing-Lists/SuSE/2004-12/1244.html>

---

**From:** Mike Dewhirst ([miked\\_at\\_dewhirst.com.au](mailto:miked_at_dewhirst.com.au))

**Date:** 12/12/04

Date: Sun, 12 Dec 2004 15:57:56 +1100

To: [suse-linux-e@suse.com](mailto:suse-linux-e@suse.com)

Matice, James, Johan and others

Thanks for your time and effort last night – I went to bed before your replies came in.

I think the best advice you gave me is to assign a fixed IP to the db (SuSE) server. That is what I will do.

When I know more about all this I'd like to restart this thread and ask you how I can build a magic Linux box with a pre-installed dbms, Windows, Mac and Linux application installers too; no screen, no keyboard and just a blue cable. Maybe a power cable :) A true magic machine. But not yet.

You asked "why Firebird?" and my answer is that it is free, open source, cross platform (Mac, Win, Linux, \*nix). I will never again use proprietary software to develop my applications. Doing so is a dead-end strategy. Much safer and more relaxing to rely on the collective intelligence of a community than the arbitrary decisions of CEOs who are driven by their shareholders instead of their customers.

So that (only just) eliminates MySQL and I haven't looked at PostgreSQL. I will be looking with interest at a recently announced new rdbms written in pure Python.

Thanks heaps

Mike

At 12:20 am 12/12/2004, Johan Nielsen wrote:

>Can't your router assign IP's based on MAC-adress ??

At 04:32 am 12/12/2004, matice@nic.fi wrote:

>Hello,

>its always a good practice to have servers set with fixed static IP

>addresses, and this includes printers and other common resources that are

>shared across the network regardless of what type of realm is being used

>(nis, nt domain, or netware), if for some reason you want the servers,

SuSE: Re: [SLE] IP addressing

>printers and whatever obtain their IP address through DHCP, you can still  
>do that by configuring your dhcp daemon (service) to reserve particular IP  
>addresses for given mac address, it is quiet simple and all you have to do  
>is just check the examples in the manuals and use them.  
>  
>now in every network it is good to have only 1 dhcp server, if you have 2  
>and each having a different configuration, you start running into troubles  
>and the network client pcs will start to cough and get sick, and that  
>wouldnt be nice especially during the comming xmass holidays.  
>  
>a simple clean setup in this case would be as the following:  
>  
>1- do not run DNS or dhcp on your novell (ofcourse you will have to run  
>the basic DNS so that the directory would work)  
>2- do not use your router as DHCP server, the reason for that is if it  
>goes down for some reason well so will all the DHCP dependent pcs in the  
>network.  
>  
>  
>as for the installation figure well,  
>NOVELL SEVER  
>- DIRECTORY services  
>- file and printing services  
>- misc services (possibly intranet or whatever you may have there)  
>- DNS service, since you have a novell system in your network, you are  
>obliged to use the DNS from your novell system, (if you are not performing  
>any sort of directory based fine grained network services, you do not need  
>to use the DHCP service there, just use the one on the linux system)  
>  
>SuSE 9.1 server  
>- Firebird DBMS (dunno why you want to use that one, there are many other  
>options, mysql/postgress, etc)  
>- DHCPd service (configure it to assign static IP address to the machines  
>that require static ip addresses (for whatever reason)  
>  
>Router  
>- do not run any services on it, just keep it simple and let it route and  
>provide network statistics and perform the network security (firewall if  
>it has that feature)  
>  
>Network printer  
>- configure it with a static ip or to get a static ip from DHCP  
>  
>network PC clients  
>- configure to get IP, DNS, gateway configurations  
>  
>  
>  
>DHCP service should provide the following  
>  
>IP ADDRESS POOL

SuSE: Re: [SLE] IP addressing

>NETWORK MASK  
>NETWORK GATEWAY  
>POSSIBLY WINS SERVICE (pointing to novell)  
>DNS (pointing to NOVELL)  
>  
>configure the DNS on your novell to point to your  
>network services wherever they may be including printers.  
>  
>i might have mentioned half the things i wanted to say as i am writting  
>this in between things :)  
>  
>regards  
>Matice  
>  
>  
>  
>>Dear list  
>>I want to use 9.1 SuSE with Firebird as a database server in a Novell 5.0  
>>LAN with mixed Win98 and WinXP workstations. The DHCP derived addresses  
>>for all machines (except maybe the file server) come from the DSL router.  
>>My question is ...  
>>1 Is it possible to name the machine and use the name instead of an  
>>IP address for the dbms and let the router assign addresses as it sees  
>>fit. If so, how do I do that?  
>>2 If no, should I assign a fixed IP address forever? (don't know  
>>how to do that)  
>>The only way I know what the IP address happens to be is to restart and  
>>watch closely the screen flies by as it gets assigned. The latest one  
>>happens to be 192.168.0.11. I can ping it OK.  
>>Thanks for any advice  
>>Mike  
>>  
>>  
>>--  
>>Check the headers for your unsubscription address  
>>For additional commands send e-mail to [suse-linux-e-help@suse.com](mailto:suse-linux-e-help@suse.com)  
>>Also check the archives at <http://lists.suse.com>  
>>Please read the FAQs: [suse-linux-e-faq@suse.com](mailto:suse-linux-e-faq@suse.com)  
>  
  
--  
Check the headers for your unsubscription address  
For additional commands send e-mail to [suse-linux-e-help@suse.com](mailto:suse-linux-e-help@suse.com)  
Also check the archives at <http://lists.suse.com>  
Please read the FAQs: [suse-linux-e-faq@suse.com](mailto:suse-linux-e-faq@suse.com)