

## Re: After a full day of computers...

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JPB wrote:

- > *I'm getting too tired to think, so please help me fix my last two issues*
- > *– likely simple ones for the old hands here. To start with, both the*
- > *computers in question run SuSE 9.1 Pro and nothing but.*
- >
- > *Firstly, I got my wireless cards to work; finally. Now all is well –*
- > *except when I input the WEP passphrase in Yast and activate same in the*
- > *router, both computers get cut off; permanently. I then have to go back*
- > *to an ethernet connection (ifup eth0), so as to be able to access the*
- > *router and get rid of encryption again. Then, bingo, it all works again.*
- > *So where's the catch?*
- >
- > *All I've done is set the WEP passphrase (tried both 64 & 128-bit*
- > *incryption with same unsatisfactory result) in the router. Then I go to*
- > *YAST and input the same in the "Passphrase" field in "Wireless*
- > *Settings". I only need one key and the authentication mode is "open". --*
- > *Please advise...*

Can't really help, didn't have much luck with Wireless, it was too slow and unreliable under Windows, so I went back to cabled before I got into Linux... After entering the passphrase, have you tried restarting the wireless interface (or rebooting)? It could be that somewhere in the configuration, although the passphrase has been entered, it is not being initialised properly – if turning WEP off again on the router restores the connection, then it suggests that WEP is not being turned on in Linux...

- > *The other issue is LAN file sharing. I've had no trouble getting the*
- > *printer to work (connected to one machine & the other accessing it*
- > *through the CUPS server). Easy, that one.*
- >
- > *I've set up a NFS server and a client on each machine, with the*
- > *wildcards set to the name of the other computer. Allocated directories*
- > *to share (/home) and went with defaults in "options"*
- > *(ro,root\_squash,sync). The machines can see each other, as well as the*
- > *shared directories, with no problem. However, the exported directories*
- > *cannot be mounted – if I try to do that in Konqueror, I get just an*
- > *empty directory. There is a message on boot stating that "permission was*

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> *denied" by the server to mount the directories. -- So no doubt I've*  
> *stuffed up the necessary permissions somewhere. Please point me towards*  
> *the right solution – I'm sure it must be something despicably basic! :-)*

You need to have the same users with the same user ID's (that's the number, not the name) on both machines. If it is fairly static, you can do this manually, but there are automated way of doing that, NIS, NIS+, LDAP etc.

For a small home network, that probably isn't necessary.

It is probably better to share the directories from one machine with another. Having reciprocal shares between two machines can cause problems during boot-up – delays at the minimum on the first machine booted, while it times out looking for the second...

Personally, I would designate one machine as the server, the machine that is usually booted first, and set the shared space on that machine (this isn't necessary, but makes life and administration a lot easier).

You need to check the users have the same usernames and ID's on both machines. If the ID's don't match, they won't be able to access "their" shares on the other machine.

I'm guessing you have done some or all of the following, but just to recap:

1. You need to create a mountpoint on the client machine. This is an empty directory, to which the share from the serving machine will be overlayed. For example, create a directory called /netdata. The netdata directory needs to have permissions set to allow the other users to see it. Either chmod it to 777 access to let everybody into it, or change the owner and group as appropriate. (man chmod, man chown for a description of changing access and owner respectively)
2. On the server, create the NFS share you want to export. You need to set the options here as well for read, write and root\_squash as appropriate. YaST is probably the simplest method for setting them up (YaST→Network Services→NFS Server).
3. Once the shares have been created, they need to be mapped onto the mount point on your client machine(s). Again, using YaST is probably the simplest method (YaST→Network Services→NFS Client) and specify the shares want to import and specify where you want to mount the to (in our example /netdata). You can specify the options for the client as well, they can give different access options, but can, I believe, only be more restrictive than those on the server.

If everything has gone according to plan, you should now be able to see the server directories mapped under /netdata on the client machine.

The options you gave in your original post should allow read-only access to the share to all users. Root\_squash means that root doesn't get root

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privileges to the NFS mount, but its privileges get set to those of the anonuid and anonguid options.

I hope that helps a bit. If you have tried the above and it is still not working, please post some more information.

NOTE: You can't/shouldn't export the same directories to the same mountpoints on both machines. E.g. you can't export /home on both machines and mount them as /home, that would cause errors, at the very least!

Dave