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[How to set up Permissions](#)

by [pctechnologies](#) » Fri Jul 03, 2009 3:45 pm

Hi,

I'm currently using FreeNAS for a fileserver to store anti virus and similar software and today I had a computer infect all the exe's on the server which is a huge pain. I'm using SMB Shares to access the files. I want to set up two user account which can access this share: One account would be an administrator with full read/write permissions, while the other would be a guest account with only read permissions. I've been looking around and trying to find out how to do this, but I'm having a bit of trouble finding the information. I would really appreciate if someone could point me in the right direction.

Thanks a lot!

[Re: How to set up Permissions](#)

by [al562](#) » Fri Jul 03, 2009 10:26 pm

Hi

Welcome to the Forum. [Please read and follow the Forum Rules & Guidelines.](#) Doing so will help you get faster and better answers. If you have not, then [please read the latest Setup & User Guide.](#) It has a brief but useful section on setting up CIFS/SMB, users/groups.

Did you search the forum??

Please read this first:

[HOWTO: Setup SFTP users / SAMBA users semi properly](#)

Then read all of these, pay attention to links included in them, when you finish you should be an expert ;) :

- A. [Setting-up shares and permissions](#)
- B. [trouble accessing files in XP](#)
- C. [Permissions problem.](#)

Regards,
Al

[Re: How to set up Permissions](#)

by [pctechnologies](#) » Sat Jul 04, 2009 7:51 pm

I've been playing with it all day, and it seems no matter what I do, I can't log in. I set the authentication to Local user and no matter what login I use I get an access denied error. What am I doing wrong here?

[Re: How to set up Permissions](#)

by [al562](#) » Sat Jul 04, 2009 8:29 pm

*pctechnologies wrote:*What am I doing wrong here?

There could be a lot of things. If you read and followed the suggestions in my previous post you should be able to get this working and that knowledge should narrow down anything that could be wrong. You are going to have to give us more info in order to help troubleshoot.

Have you enabled any other services which might impact on authentication? Read [\[SOLVED\] Can't access FreeNAS when SMB auth is Local Users](#) for an example.

What client are you using?

What command/how are you trying on the client to login?

What error do you get on the client when it fails to log in?

Please post the output of:

Code: [Select all](#)

```
grond:/# cat /var/etc/smb.conf
```

so I can make sure your shares are set up properly.

Thanks,

Al

Re: How to set up Permissions

by [pctechnologies](#) » Sat Jul 04, 2009 10:01 pm

I won't be at work again until Monday but I'll give you what information I can now. I've got two shares set up: One is called Seagate and the other is Share1. Seagate is a full Seagate 40GB HD and Share1 is a Western Digital 80GB. I'm running a Celeron 2.4 with 256MB of Ram. I've got freenas installed on it's own 40GB hard drive. So far I've got two users created, one is called read which the the account which will be used normally. This account should have read only access to both shares, and the other account (pctech) should have read and write access to both shares. Herein lies one of my problems: Who should have ownership of the shares? I'm guessing it should be the pctech account. But, if pctech has ownership, does that mean the "read" account won't be able to access the shares? Also, I've got pctech put in the wheel group, and "read" in the guest group, is this right? The NetBIOS name for the server is files, so all I do to access the server is open up My Computer on any computer on the network and type \\files, and this has worked flawlessly and still does, until i change the authentication type to local user. Once I change the authentication type, I get a login box when I try to access the server. Now, this is what i want, but no login I try works, it just says access denied. (I think) I hope I've explained everything well enough. I've been trying to read over those tutorials but I'm having a hard time understanding how to adapt the instructions to do what I want. Thanks a lot for your help.

Re: How to set up Permissions

by [al562](#) » Sun Jul 05, 2009 3:54 am

*pctechnologies wrote:*I hope I've explained everything well enough.

Yes and no. What you've written is pertinent, but not germane. You've hardly answered any of my questions. I want to make sure you succeed at this, so please don't misunderstand the tone of this post.

From what you wrote it doesn't sound like you've played around with other services that may impact authentication, but you've certainly done a lot of playing.

I still don't know - What client are you using?

What command/how are you trying on the client to login? Ok, so //files, that tells me the name of your server. Where are you typing that, at a DOS prompt?

I still don't know - What error do you get on the client when it fails to log in?

I realize you won't be able to do this until Monday -Please post the output of:

Code: [Select all](#)

```
grond:/# cat /var/etc/smb.conf
```

so I can make sure your shares are set up properly.

*pctechnologies wrote:*I've been trying to read over those tutorials but I'm having a hard time understanding how to adapt the instructions to do what I want.

That's because you have to learn to walk before you can run. You are trying to run without learning how to tie your shoelaces. You really needed to read those threads (or something like them) before you started playing with users/groups, etc.. Now that I know what you want, it is almost easier to start from scratch and take it one step at a time. Let's not do that though, I think this is salvageable.

Leave user pctech alone, he's fine in wheel group. You never had to put user read in the Guest group, that's the default, make sure he is not a member of any other groups. On Monday please provide the info requested in my previous post and also the output from:

Code: [Select all](#)

```
grond:/# mount
```

By Monday, if you don't know them already, you should become familiar with the following commands:

```
ls  
cd  
chmod  
chown
```

[You can look them up on this page.](#)

You can read [Unix File Permissions](#) for a more practical explanation.

See you Monday,

Al

[Re: How to set up Permissions](#)

by [pctechnologies](#) » Sun Jul 05, 2009 3:27 pm

Al562 wrote: What client are you using?

Any Windows XP/Vista computer which may be connected to the network. Although for most testing I'm using a machine running XP SP3.

Al562 wrote: What command/how are you trying on the client to login?

I am opening "My Computer" and typing \\files into the address bar.

Al562 wrote: I still don't know - What error do you get on the client when it fails to log in?

I get Access Denied.

Thanks a lot for your help here, I really appreciate it.

[Re: How to set up Permissions](#)

by [al562](#) » Mon Jul 06, 2009 1:24 am

Ok good, there are a few different reasons why you might be getting that error. You should be prompted for a username & password, I assume you are using your pctech account. Lets stick with that for the time being. When you post the CAT & MOUNT outputs, please also post output of:

Code: [Select all](#)

```
grond:/# ls -l /mnt
```

This will show permission on your shares and based on what you've told me I think you may have to adjust them.

Regards,
Al

[Re: How to set up Permissions](#)

by [pctechnologies](#) » Tue Jul 07, 2009 4:55 pm

Ok, So I've got it to work. Here they are:

```
cat /var/etc/smb.conf
```

Code: [Select all](#)

```
[global]
encrypt passwords = yes
netbios name = files
workgroup = WORKGROUP
server string = Storage Server
security = share
dns proxy = no
# Settings to enhance performance:
use sendfile = yes
strict locking = no
read raw = yes
write raw = yes
oplocks = yes
max xmit = 65535
deadtime = 15
getwd cache = yes
socket options = IPTOS_LOWDELAY TCP_NODELAY SO_SNDBUF=16384 SO_RCVBUF=16384
# End of performance section
unix charset = UTF-8
store dos attributes = yes
local master = yes
time server = yes
guest account = ftp
display charset = LOCALE
```

```

max log size = 10
syslog only = yes
syslog = 3
load printers = no
printing = bsd
printcap name = /dev/null
disable spoolss = yes
log level = 3
dos charset = CP437
smb passwd file = /var/etc/private/smbpasswd
private dir = /var/etc/private
passdb backend = smbpasswd
create mask = 0666
directory mask = 0777
force user = ftp
force group = ftp
[WD80]
comment = 80GB Drive
path = /mnt/Share1/
writeable = yes
printable = no
veto files = /.snap/
hide dot files = yes
guest ok = yes
inherit permissions = yes
[Seagate40]
comment = SeaGate 40GB
path = /mnt/SeaGate/
writeable = yes
printable = no
veto files = /.snap/
hide dot files = yes
guest ok = yes
inherit permissions = yes

```

mount

Code: [Select all](#)

```

/dev/ad0s1a on / (ufs, local, soft-updates)
devfs on /dev (devfs, local)
procfs on /proc (procfs, local)
/dev/ad1p1 on /mnt/Share1 (ufs, local, soft-updates, acls)
/dev/ad2p1 on /mnt/SeaGate (ufs, local, soft-updates, acls)

```

ls -l /mnt

Code: [Select all](#)

```

total 20
drwxrwxrwx  7 root  wheel   512 Jul  3 15:17 SeaGate
drwxrwxrwx 15 root  wheel   512 Jul  4 16:52 Share1
drwxr-xr-x  2 root  admin   512 Jul  4 13:55 WD80
drwxr-xr-x  2 root  admin   512 Jul  4 13:47 Western Digital
-rw-r--r--  1 root  admin 12288 Feb  7 15:42 fuppes.db

```

[Re: How to set up Permissions](#)

by [al562](#) » Tue Jul 07, 2009 7:31 pm

Hi Pctechnologies,

Everything here looks ok to me.

Please remove the following non-default settings from auxiliary parameters:

Code: [Select all](#)

```

create mask = 0666
directory mask = 0777
force user = ftp
force group = ftp

```

So your CIFS/SMB authentication is set to "Local User", right?

You are sure you have not enabled LDAP or Active Directory services, right?

You have 2 users, pctech and read. Lets work on pctech first. You are sure that pctech is a member of the wheel group right?

What is your windows login? If it is pctech then make sure the Windows password is the same as the FreeNAS password. If it is not pctech don't worry about it for now.

When you type \\files\SeaGate you should be prompted for a username and password. You should use pctech and password. There should be no caps in pctech either in FreeNAS or when you try to authenticate. Let me know what happens and post a screenshot of the error if at all possible. Also post any errors you see in the FreeNAS logs.

Regards,
Al

[Re: How to set up Permissions](#)

by [pctechologies](#) » Tue Jul 07, 2009 8:13 pm

Ok, so it seems to be working now, I'm not sure what I have done differently. The only problem now is that the "read" account seems to have full control just like the pctech account. How do I go about changing this? Thank you so much for your help.

Also, How do I go about removing those things from the config?

[Re: How to set up Permissions](#)

by [al562](#) » Tue Jul 07, 2009 8:28 pm

*pctechologies wrote:*The only problem now is that the "read" account seems to have full control just like the pctech account. How do I go about changing this?

Make sure read is not a member of wheel, then make:

Code: [Select all](#)

```
drwxrwxrwx 7 root wheel 512 Jul 3 15:17 SeaGate
drwxrwxrwx 15 root wheel 512 Jul 4 16:52 Share1
```

read only for others:

Code: [Select all](#)

```
drwxrwxr-- 7 root wheel 512 Jul 3 15:17 SeaGate
drwxrwxr-- 15 root wheel 512 Jul 4 16:52 Share1
```

*pctechologies wrote:*How do I go about removing those things from the config?

You mean the non-default SMB.conf global parameters? Those should appear in the auxiliary parameters box on the CIFS/SMB page. Delete them and click save.If you don't see them there then they should be gone next time you reboot.

Good job, I knew that you could 😊 .
Al

[Re: How to set up Permissions](#)

by [pctechologies](#) » Tue Jul 07, 2009 10:31 pm

Excellent, now I have one more question: How to "log out" when browsing the server. For example, say I'm working on a computer and, as usual I use the read account. Now, I want to save something to the server, but the read account doesn't have write permissions. What would I do in a situation like that? I'm guessing restarting the computer or logging out of that user profile in windows would do the trick but that's a bit clumsy.

[Re: How to set up Permissions](#)

by [al562](#) » Tue Jul 07, 2009 11:31 pm

*pctechologies wrote:*How to "log out"

The same way you log out of any Windows server. Aahhh, not an easy question because most people never think about it. Microsoft is sneaky! Connections with multiple credentials are not allowed in Windows.

If you map a drive then you can just disconnect it. This will allow you to map and or login with different credentials. If you use the server ad-hoc, as you are doing then the easy way is to logoff Windows and log back in. Re-boot should not be

required.

pctechnologies wrote: but that's a bit clumsy.

That's why Bill Gates will always look like a geek 😊. You can try closing all windows and applications that are using the server, sometimes it lets go, other times it does not.

Regards,
Al

[Re: How to set up Permissions](#)

by [pctechnologies](#) » Wed Jul 08, 2009 12:19 am

Thanks a million for your help! If it wasn't for your help I'd still be sitting here scratching my head.

[Re: How to set up Permissions](#)

by [al562](#) » Wed Jul 08, 2009 1:41 am

You are most welcome 😊