Experiment – 17

To configure the Samba Server to share files

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1) To get Samba open terminal and run:

sudo apt-get install samba

```
beau@beau-desktop:~$ sudo apt-get install samba
[sudo] password for beau:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  linux-headers-2.6.28-11 nvidia-kernel-common linux-headers-2.6.28-11-generic libgtkglext1
Use 'apt-get autoremove' to remove them.
Suggested packages:
  openbsd-inetd inet-superserver smbldap-tools ldb-tools
The following NEW packages will be installed:
  samba
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 4527kB of archives.
After this operation, 12.7MB of additional disk space will be used.
Get:1 http://au.archive.ubuntu.com jaunty/main samba 2:3.3.2-1ubuntu3 [4527kB]
Fetched 4527kB in 28s (161kB/s)
Preconfiguring packages ...
Selecting previously deselected package samba.
(Reading database ... 132980 files and directories currently installed.)
Unpacking samba (from .../samba_2%3a3.3.2-1ubuntu3_i386.deb) ...
Processing triggers for man-db ...
Processing triggers for ufw ...
Setting up samba (2:3.3.2-1ubuntu3) ...
Generating /etc/default/samba...
tdbsam_open: Converting version 0 database to version 4.
account_policy_get: tdb_fetch_uint32 failed for field 1 (min password length), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 2 (password history), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 3 (user must logon to change password), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 4 (maximum password age), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 5 (minimum password age), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 6 (lockout duration), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 7 (reset count minutes), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 8 (bad lockout attempt), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 9 (disconnect time), returning 0
account_policy_get: tdb_fetch_uint32 failed for field 10 (refuse machine password change), returning 0
Importing account for nobody...ok
Importing account for beau...ok
Adding group `sambashare' (GID 125) ...
Done.
Adding user `beau' to group `sambashare' ...
Adding user beau to group sambashare
Done.
 * Starting Samba daemons                                                    [ OK ]
```

2) To open and edit Samba's configuration file.

sudo gedit /etc/samba/smb.conf

3) Change WORKGROUP to any workgroup name.
Add netbios name = server and replace server with servers name

4) Scroll down to Share Definitions in the .conf file. Change yes next to read-only to no if you want to be able to write to that drive

5) If you want to add more drives just repeat those options e.g.
[public]
comment = Data

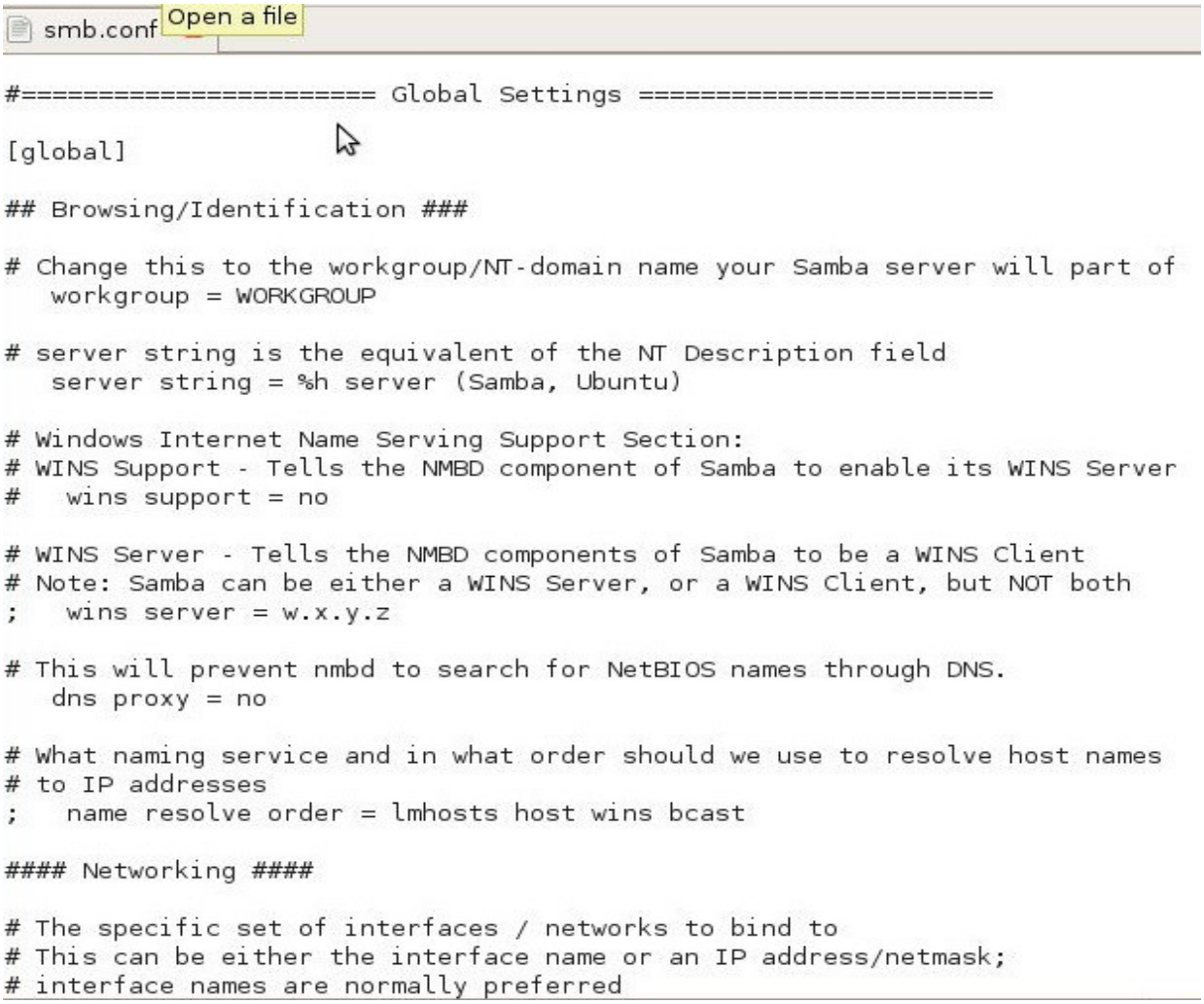
path = /export

force user = thermoelectric

force group = users

read only = No

Path is where that shared drive is located.



6) Add users to Ubuntu by typing this into terminal e.g
sudo useradd -c "Thermoelectric Rules" -m -g users -p password Thermoelectric

7) You replace password with that users password. You replace Thermoelectric Rules with your real name. You replace Thermoelectric with your user name.

8) Repeat that until you have made a account for all of your users

9) Then add the users to Samba by typing this into terminal e.g
sudo smbpasswd -a Thermoelectric

smb.conf

```
#======================= Share Definitions =======================

# Un-comment the following (and tweak the other settings below to suit)
# to enable the default home directory shares.  This will share each
# user's home directory as \\server\username
;[homes]
;   comment = Home Directories
;   browseable = no

# By default, the home directories are exported read-only. Change the
# next parameter to 'no' if you want to be able to write to them.
;   read only = yes

# File creation mask is set to 0700 for security reasons. If you want to
# create files with group=rw permissions, set next parameter to 0775.
;   create mask = 0700

# Directory creation mask is set to 0700 for security reasons. If you want to
# create dirs. with group=rw permissions, set next parameter to 0775.
;   directory mask = 0700

# By default, \\server\username shares can be connected to by anyone
# with access to the samba server.  Un-comment the following parameter
# to make sure that only "username" can connect to \\server\username
# This might need tweaking when using external authentication schemes
;   valid users = %S

# Un-comment the following and create the netlogon directory for Domain Logons
# (you need to configure Samba to act as a domain controller too.)
;[netlogon]
;   comment = Network Logon Service
;   path = /home/samba/netlogon
```

10) Start Samba by executing this in terminal
sudo nmbd; smbd;

11) Configure the /export directory:
sudo mkdir /export
sudo chown Thermoelectric.users /export
sudo chmod u=rwx,g=rwx,o-rwx /export

12) Check that Samba is running correctly:
sudo smbclient -L localhost -U%

13) Connect to SERVER (netbios name) as Thermoelectric (your user name):
sudo smbclient //SERVER/Thermoelectric -UThermoelectric%password

```
beau@beau-desktop:~$ sudo useradd -c "thermoelectric Rules" -m -g users -p passw
ord Thermoelectric
[sudo] password for beau:
beau@beau-desktop:~$ sudo smbpasswd -a Thermoelectric
New SMB password:
Retype new SMB password:
Added user Thermoelectric.
beau@beau-desktop:~$
```