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CONFIGURATION SAMBA SERVER FILE SHARING

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Continuing Education Program
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PROJECT

CONFIGURATION SAMBA SERVER FILE SHARING

Arranged by : 1. Rio Ramadhan 1610010186
2. Rizki Amalia 1610010188

Class : 4NAP1

Faculty : Tri Agus Riyadi, MT

Semester : 4

Continuing Education Program Center for Computing and Information Technology

Faculty of Engineering, University of Indonesia

2018

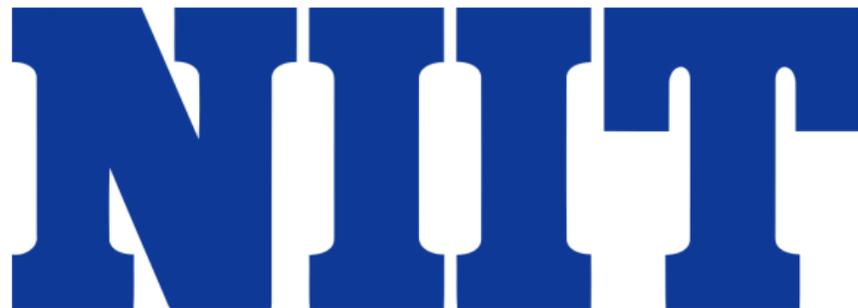
PROJECT ON

CONFIGURATION SAMBA SERVER FILE SHARING

Developed By

Name : Rio Ramadhan
Rizki Amalia

Faculty : Tri Agus Riyadi, MT

The logo for NIIT (National Institute of Information Technology) is displayed in a large, bold, blue, serif font. The letters are thick and blocky, with a classic, institutional feel.

PROJECT ON
CONFIGURATION SAMBA SERVER FILE SHARING

Batch Code : 4NAP1

Start Date : May 15 , 2018

End Date : June 12 , 2018

Name Of The Coordinator : Mr. Tri Agus Riyadi

Name Of Developer : Rio Ramadhan
Rizki Amalia

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CERTIFICATE

This is to certify that this report titled *CONFIG SAMBA SERVER FILE SHARING* embodies the original work done by *Rio Ramadhan and Rizki Amalia* in partial fulfillment of their course requirement at NIIT.

Coordinator:

Mr. Tri Agus Riyadi

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ACKNOWLEDGEMENT

First of all, the authors pray gratitude for the presence of God because of favors and gifts the authors can complete the Project. On this occasion the authors would like to say thanks the Mr. Tri Agus Riyad, S. Kom, MT and other faculty members who always guide the authors so this project finish properly and on time. And also the authors say many thanks to those who have supported in process making this project. Also thanks to reader application users at the same time. The Authors hope this project can be beneficial.

Depok, May 2018

Authors

INTRODUCTION

Samba is an application that enables a network administrator to work in an open environment with full flexibility and freedom in terms of configuration, setups and other selection regarding hardware and system elements. In other words, Samba was designed to remove hurdles to interoperability.

The logo for CompTIA, featuring the word "CompTIA" in a stylized red font. The "T" is significantly larger and more prominent than the other letters. A registered trademark symbol (®) is located at the end of the word.

IN GENERAL STEPS

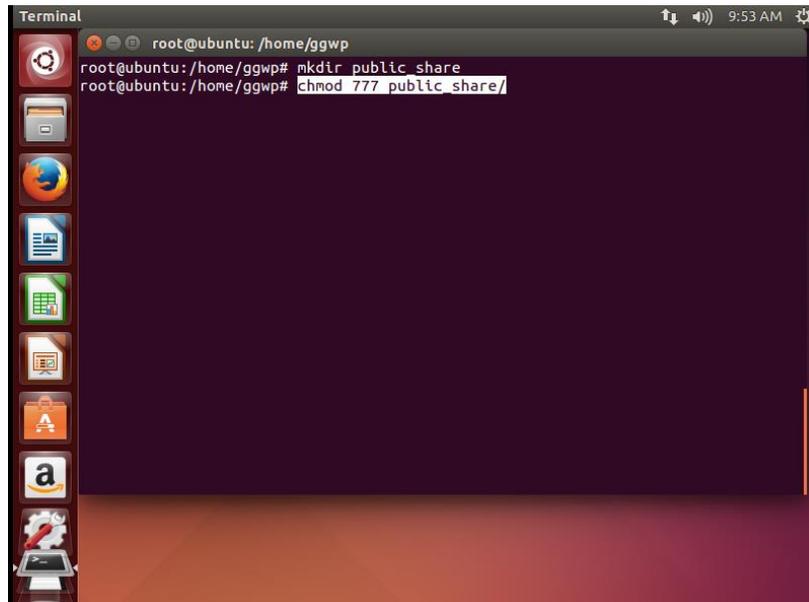
The following task have been performed to meet the specification of the project scenario :

1. Make directory with `mkdir public_share` and `chmod 777 public_share`.
2. Make directory with `mkdir admin` and `chmod 777 admin`.
3. Then, sign in `sudo su` and `apt-get install samba` for installing samba.
4. Fourth, locate `smb.conf`.
5. Fifth, `gedit /etc/samba/smb.conf` for modify directive settings as described below and save.
6. Then, writte `useradd admin`.
7. And, `addgroup private`.
8. `Usermod -a -G private admin`, only admin change a user's system account settings.
9. `Smbpasswd -a admin`.
10. `Chownadmin : private admin`.
11. `Sudo service samba restart`.
12. Open up cmd and edit file path.
13. Making a folder in `public_share` and `admin`.
14. Folder penting and data admin has been exist.



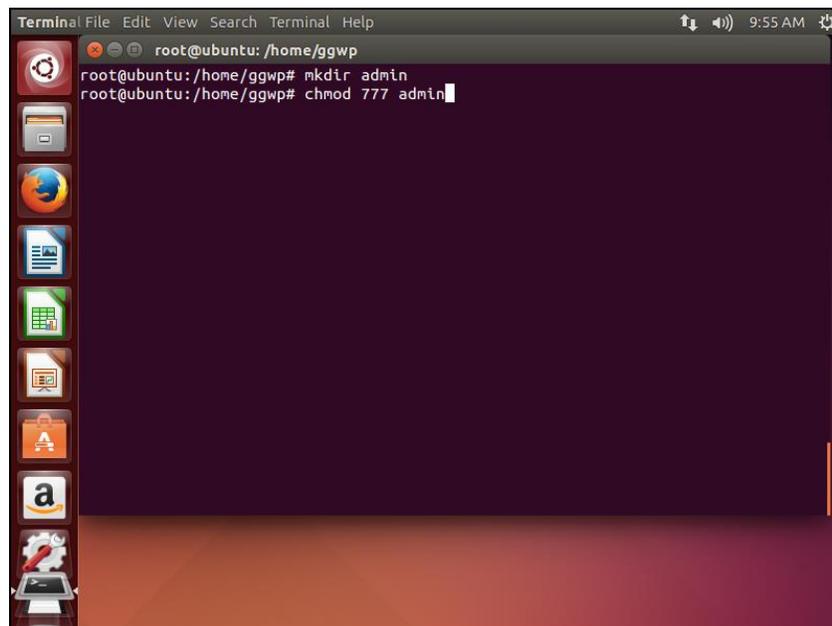
STEP-STEP CONFIGURATION SAMBA

SERVER FILE SHARING

A terminal window on an Ubuntu system. The prompt is root@ubuntu: /home/ggwp. The user enters 'mkdir public_share' and then 'chmod 777 public_share/'. The terminal output shows the successful execution of these commands. The desktop background is visible behind the terminal window, showing a vertical dock with various application icons.

```
Terminal
root@ubuntu: /home/ggwp
root@ubuntu: /home/ggwp# mkdir public_share
root@ubuntu: /home/ggwp# chmod 777 public_share/
```

First start by creating a shared samba directory name public_share. Then set the appropriate permissions on the directory. This will give permissions to all files currently in the folder and files added in the future without giving permissions to the directory itself.

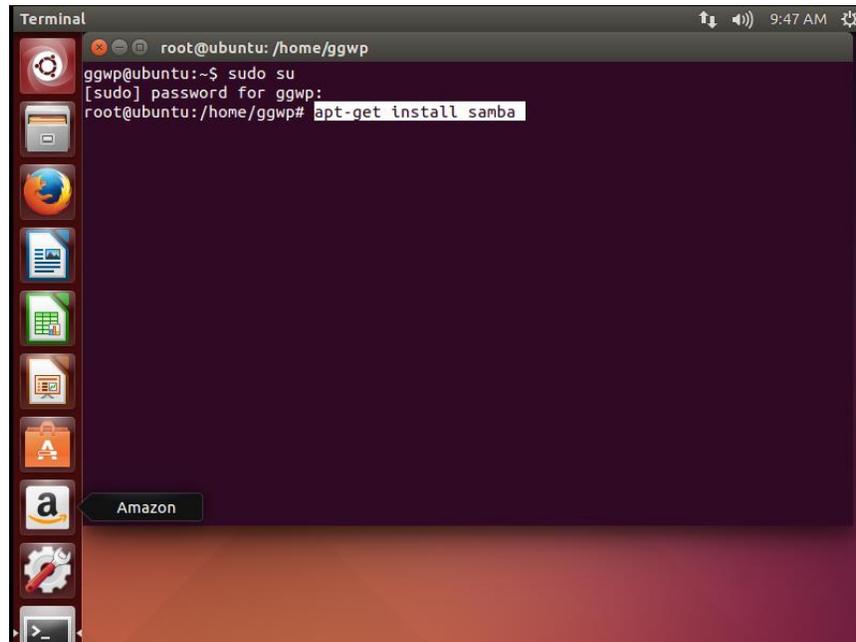
A terminal window on an Ubuntu system. The prompt is root@ubuntu: /home/ggwp. The user enters 'mkdir admin' and then 'chmod 777 admin'. The terminal output shows the successful execution of these commands. The desktop background is visible behind the terminal window, showing a vertical dock with various application icons.

```
Terminal File Edit View Search Terminal Help
root@ubuntu: /home/ggwp
root@ubuntu: /home/ggwp# mkdir admin
root@ubuntu: /home/ggwp# chmod 777 admin
```

Then creating a shared samba directory name admin. Then set the appropriate permissions on the directory. This will give permissions to all files currently in the folder and files added in the future giving permissions to admin only.

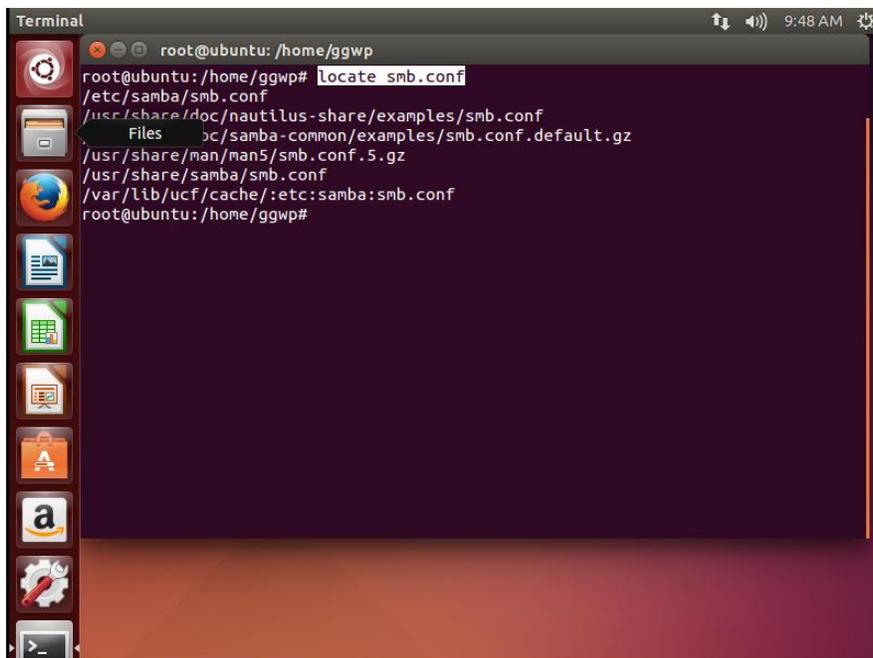
STEP-STEP CONFIGURATION SAMBA

SERVER FILE SHARING



```
Terminal
root@ubuntu: /home/ggwp
ggwp@ubuntu:~$ sudo su
[sudo] password for ggwp:
root@ubuntu: /home/ggwp# apt-get install samba
```

Entered into root, then installing samba with apt-get install samba



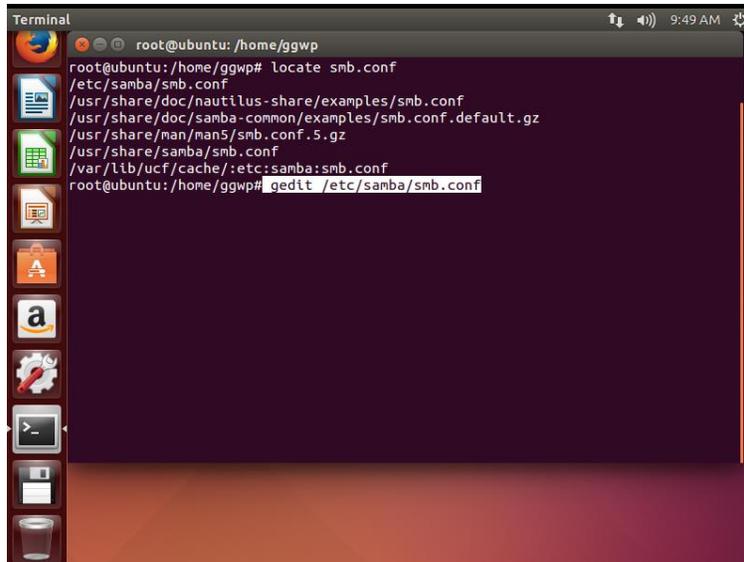
```
Terminal
root@ubuntu: /home/ggwp
root@ubuntu: /home/ggwp# locate smb.conf
/etc/samba/smb.conf
/usr/share/doc/nautilus-share/examples/smb.conf
Files: /usr/share/doc/nautilus-share/examples/smb.conf.default.gz
/usr/share/man/man5/smb.conf.5.gz
/usr/share/samba/smb.conf
/var/lib/ucf/cache/etc:samba:smb.conf
root@ubuntu: /home/ggwp#
```

We can find if the installation was successful by running locate smb.conf

STEP-STEP CONFIGURATION SAMBA

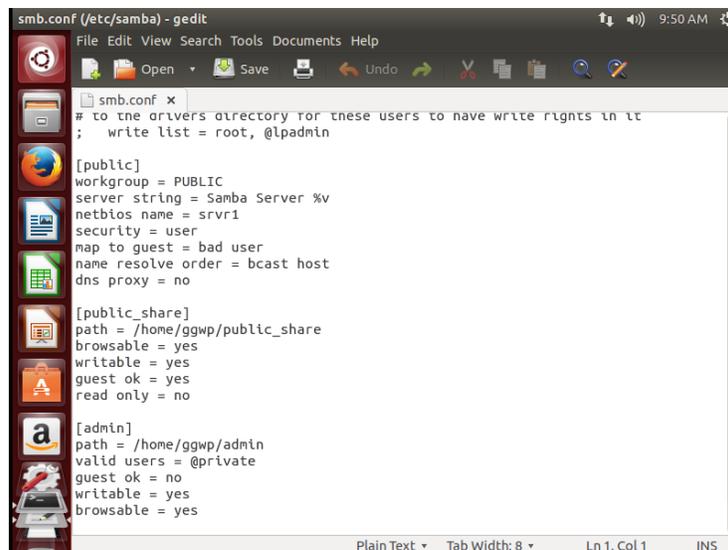
SERVER FILE SHARING

Now open the configuration file : `gedit /etc/samba/smb.conf`



```
Terminal
root@ubuntu: /home/ggwp
root@ubuntu: /home/ggwp# locate smb.conf
/etc/samba/smb.conf
/usr/share/doc/nautilus-share/examples/smb.conf
/usr/share/doc/samba-common/examples/smb.conf.default.gz
/usr/share/man/man5/smb.conf.5.gz
/usr/share/samba/smb.conf
/var/lib/ucf/cache/etc:samba:smb.conf
root@ubuntu: /home/ggwp# gedit /etc/samba/smb.conf
```

Next edit or modify the directive settings as described below.



```
smb.conf (/etc/samba) - gedit
File Edit View Search Tools Documents Help
smb.conf x
# to the drivers directory for these users to have write rights in it
; write list = root, @lpadmin

[public]
workgroup = PUBLIC
server string = Samba Server %v
netbios name = srvr1
security = user
map to guest = bad user
name resolve order = bcast host
dns proxy = no

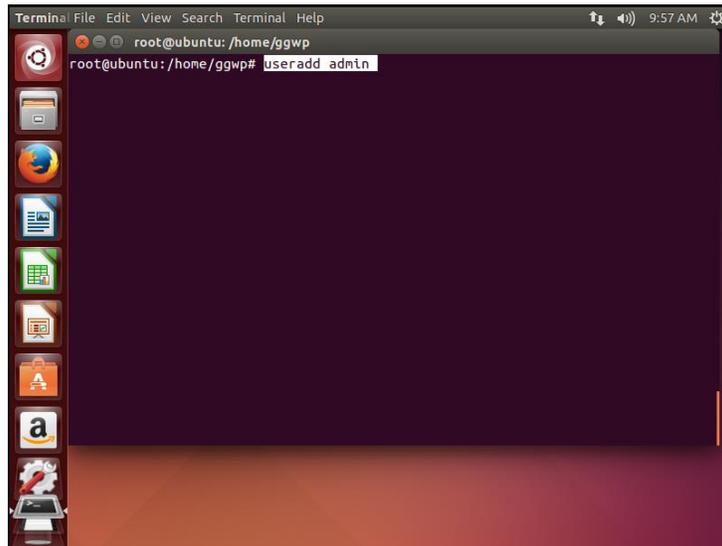
[public_share]
path = /home/ggwp/public_share
browsable = yes
writable = yes
guest ok = yes
read only = no

[admin]
path = /home/ggwp/admin
valid users = @private
guest ok = no
writable = yes
browsable = yes

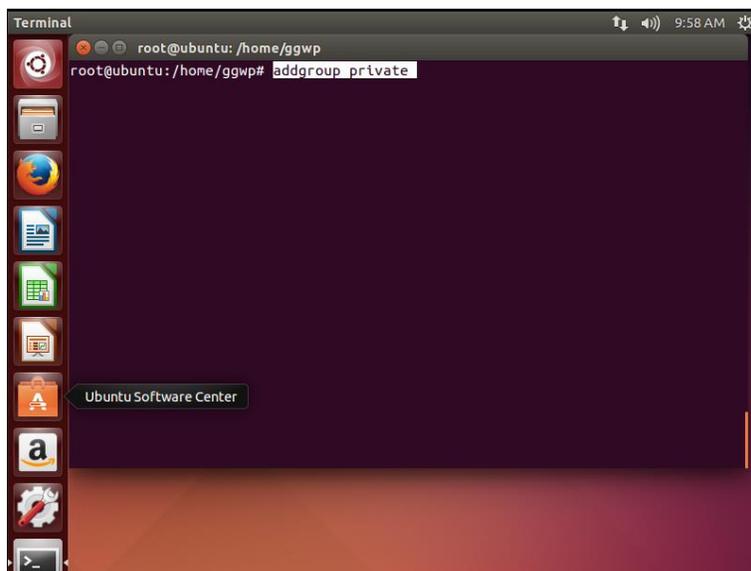
Plain Text Tab Width: 8 Ln 1, Col 1 INS
```

Then press `Ctrl-O` to save and `Ctrl-X` to exit from the *gedit* text editor

STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING

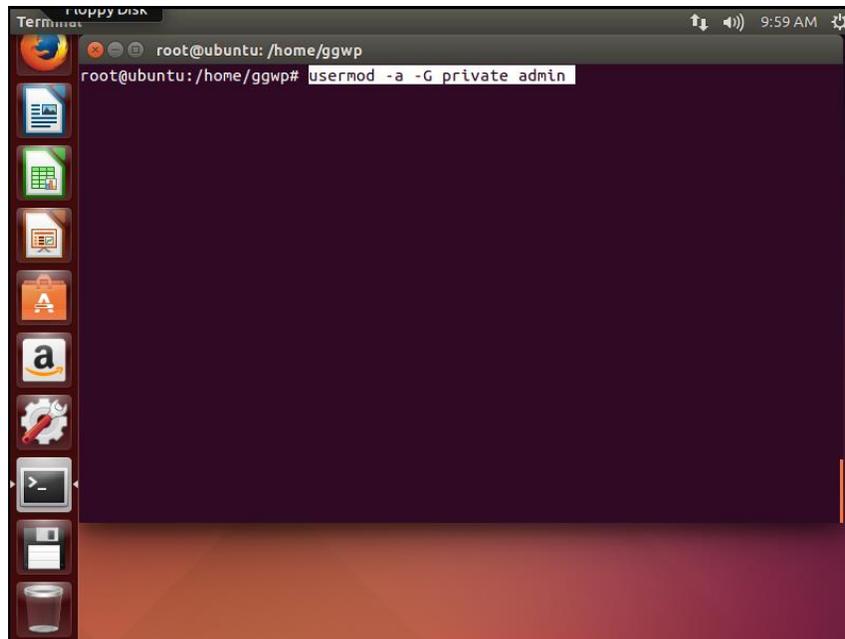


Adding the admin by useradd admin



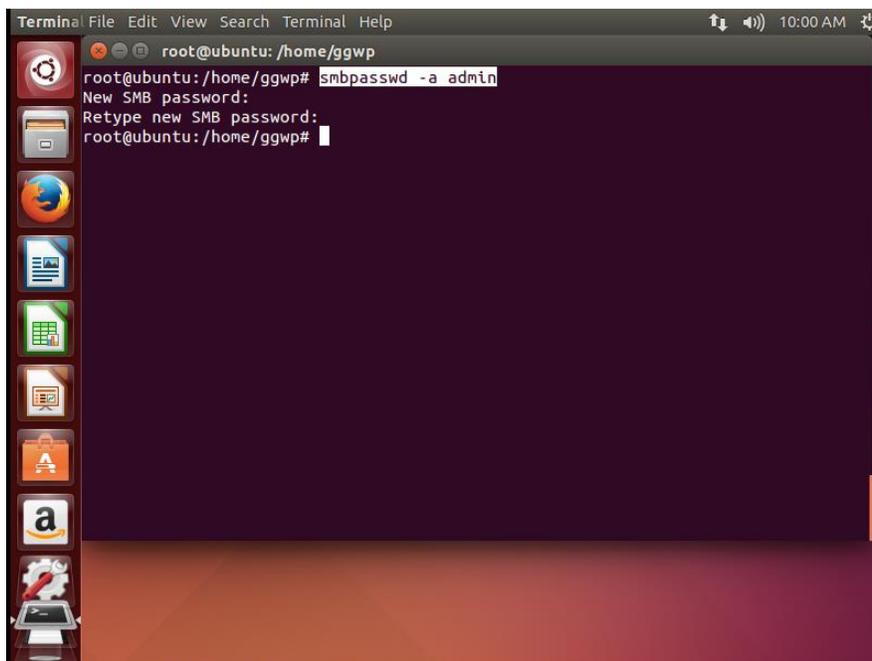
Added a group private only admin able to access

STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING



```
Terminal 100ppy Disk 9:59 AM
root@ubuntu: /home/ggwp
root@ubuntu: /home/ggwp# usermod -a -G private admin
```

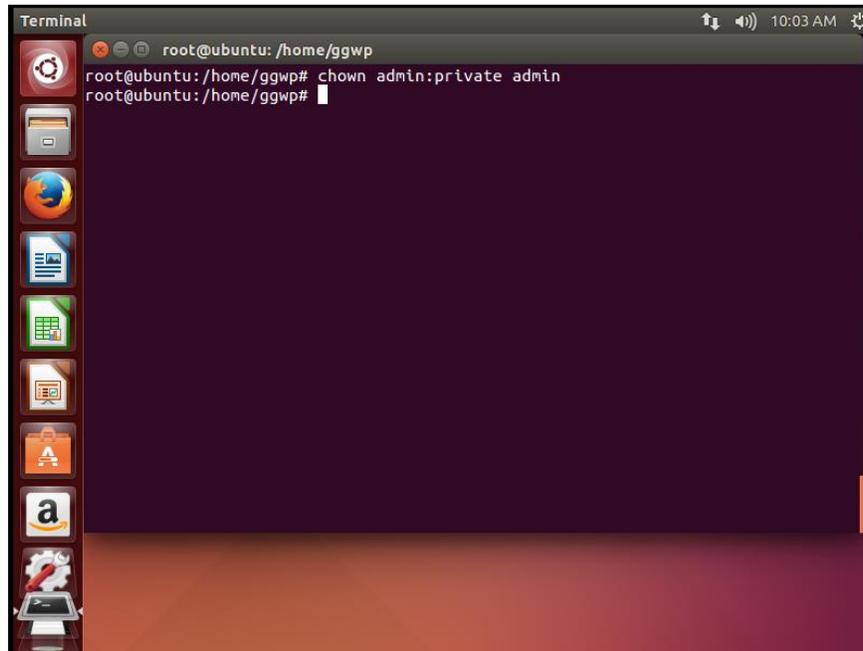
Only admin change a user's system account settings.



```
Terminal File Edit View Search Terminal Help 10:00 AM
root@ubuntu: /home/ggwp
root@ubuntu: /home/ggwp# smbpasswd -a admin
New SMB password:
Retype new SMB password:
root@ubuntu: /home/ggwp#
```

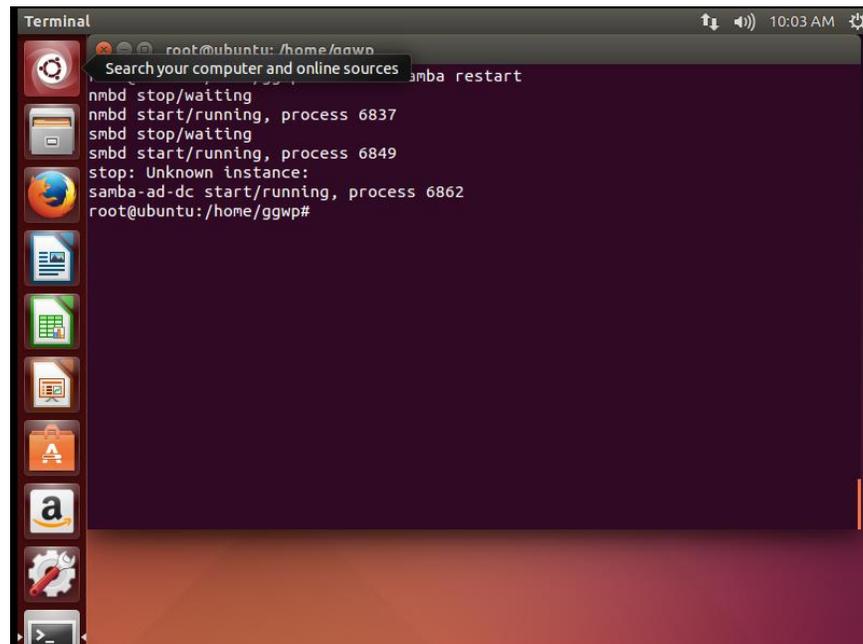
Admin set the encrypted password used by samba server

STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING



```
Terminal
root@ubuntu: /home/ggwp
root@ubuntu:/home/ggwp# chown admin:private admin
root@ubuntu:/home/ggwp#
```

Admin can change owner file.

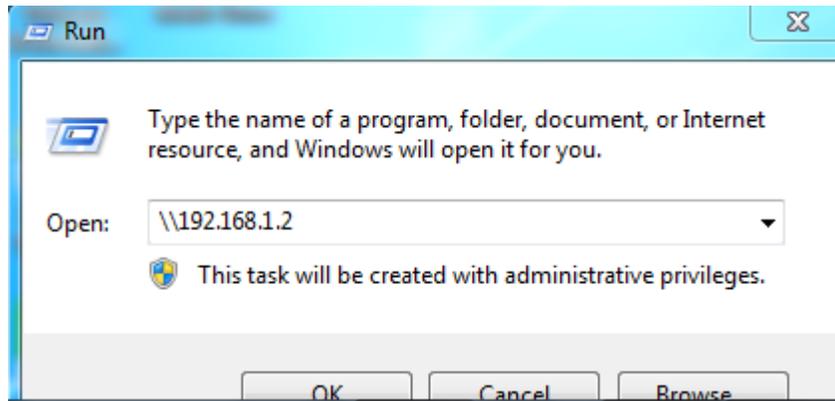


```
Terminal
root@ubuntu: /home/ggwp
Search your computer and online sources
samba restart
nmbd stop/waiting
nmbd start/running, process 6837
smbd stop/waiting
smbd start/running, process 6849
stop: Unknown instance:
samba-ad-dc start/running, process 6862
root@ubuntu:/home/ggwp#
```

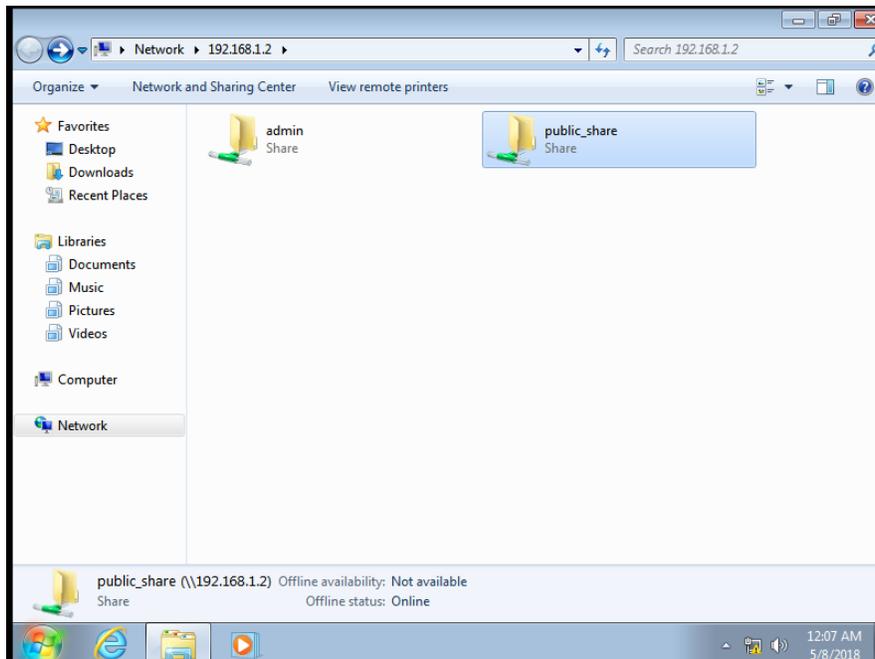
Now that we have our new share configured, save it and restart Samba for it to take effect.

STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING

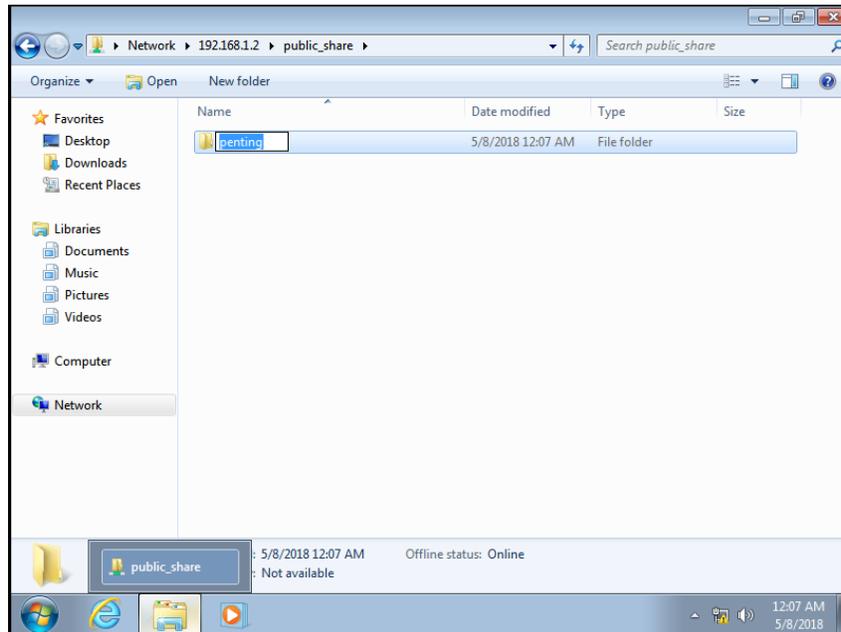
On Windows, open up cmd and edit the file path to:



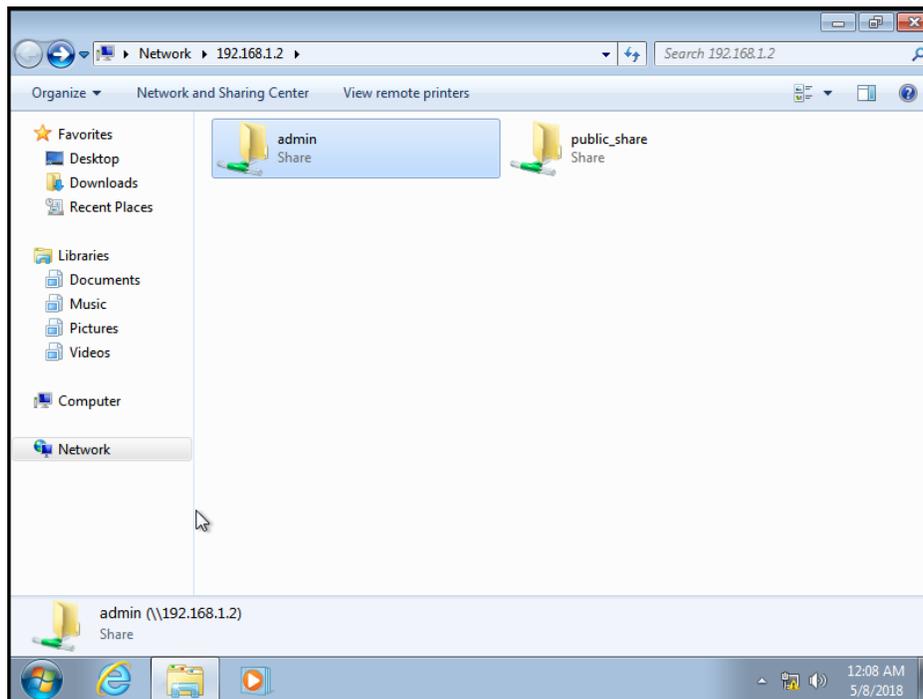
Between Ubuntu and windows now is connected.



STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING

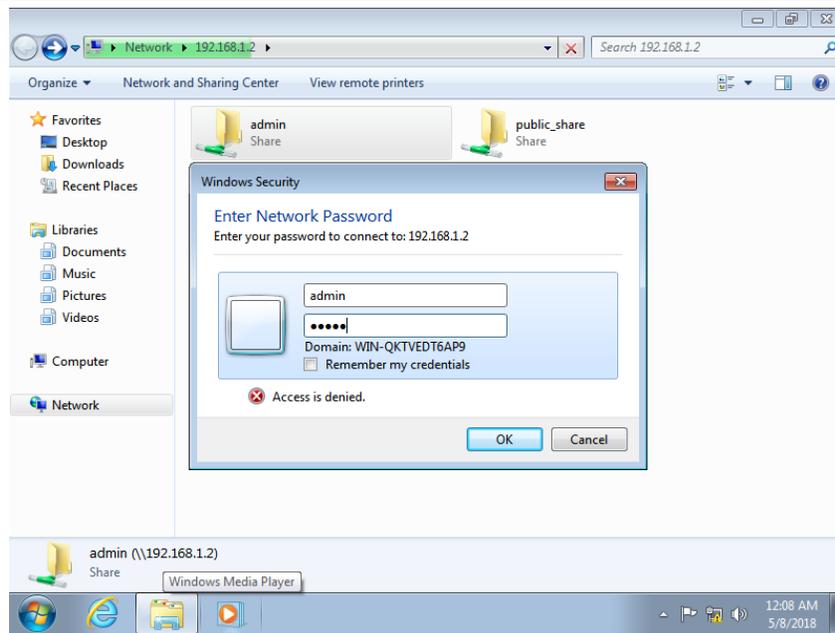


Making a folder sharing in public_share.

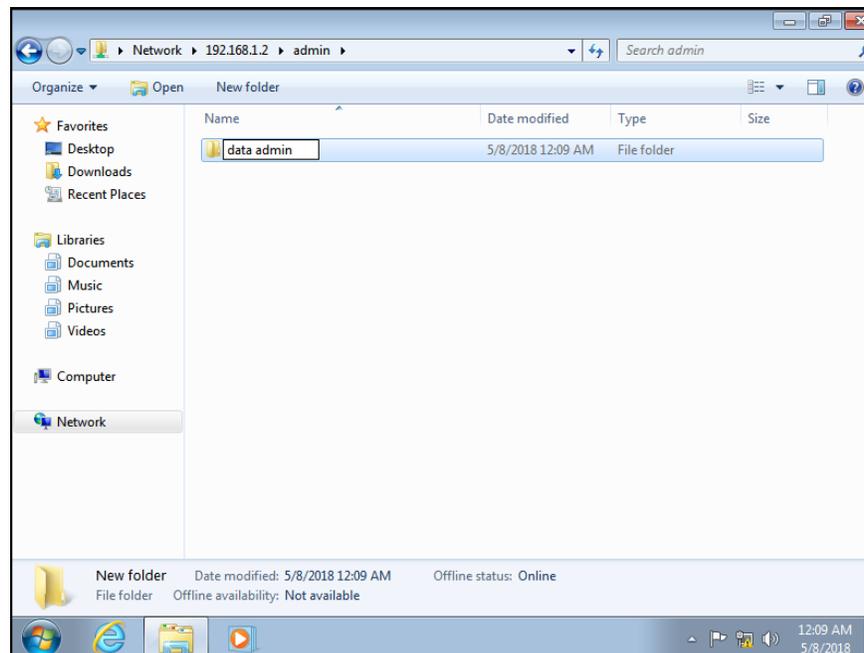


Click the admin file sharing

STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING

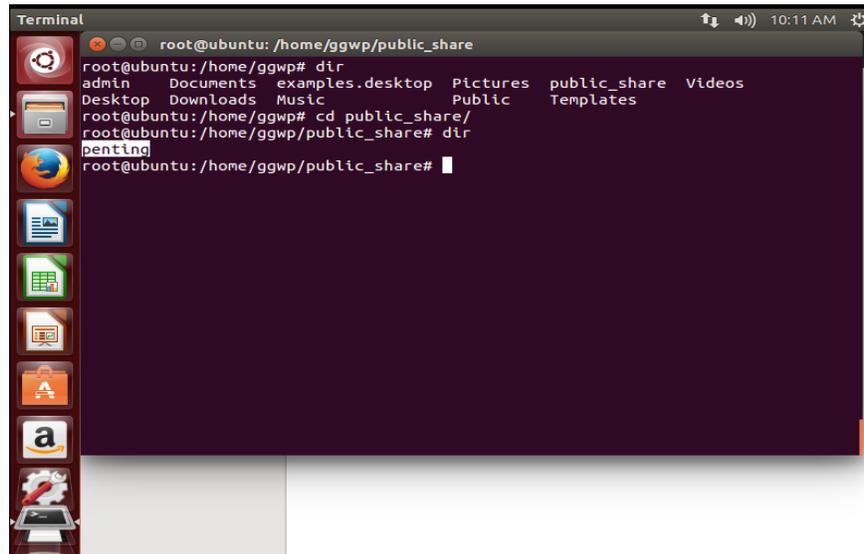


If user clicked admin, automatic access denied.



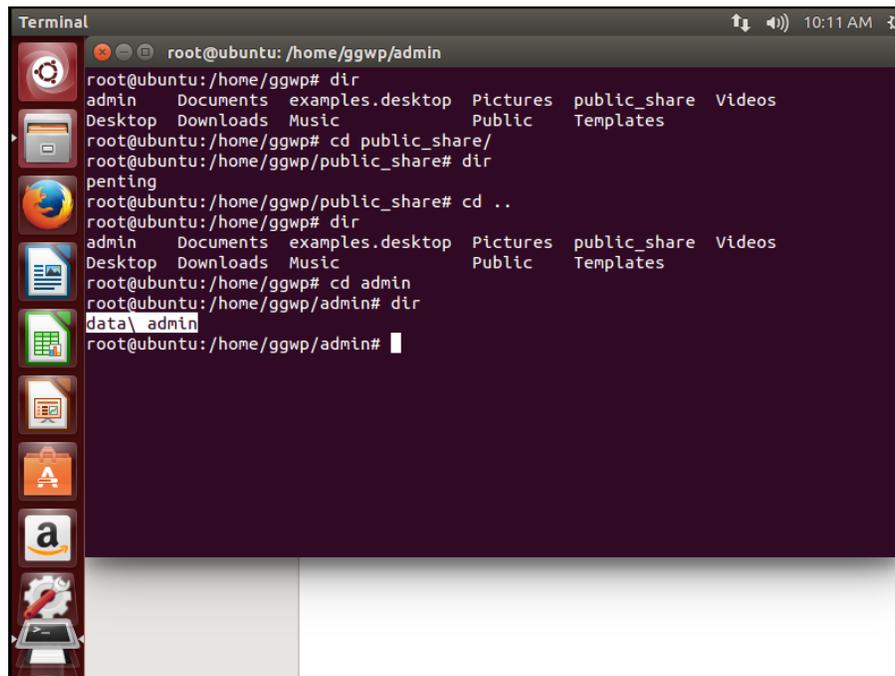
Make a folder data admin in admin file sharing

STEP-STEP CONFIGURATION SAMBA SERVER FILE SHARING



```
Terminal
root@ubuntu: /home/ggwp/public_share
root@ubuntu: /home/ggwp# dir
admin Documents examples.desktop Pictures public_share Videos
Desktop Downloads Music Public Templates
root@ubuntu: /home/ggwp# cd public_share/
root@ubuntu: /home/ggwp/public_share# dir
penting
root@ubuntu: /home/ggwp/public_share#
```

Folder penting has been exist



```
Terminal
root@ubuntu: /home/ggwp/admin
root@ubuntu: /home/ggwp# dir
admin Documents examples.desktop Pictures public_share Videos
Desktop Downloads Music Public Templates
root@ubuntu: /home/ggwp# cd public_share/
root@ubuntu: /home/ggwp/public_share# dir
penting
root@ubuntu: /home/ggwp/public_share# cd ..
root@ubuntu: /home/ggwp# dir
admin Documents examples.desktop Pictures public_share Videos
Desktop Downloads Music Public Templates
root@ubuntu: /home/ggwp# cd admin
root@ubuntu: /home/ggwp/admin# dir
data admin
root@ubuntu: /home/ggwp/admin#
```

Folder data admin has been exist

SYSTEM CONFIGURATION

Hardware : Intel^R CoreTM i7-6700HQ CPU @ 2.60GHz 2,60 GHz, 4.00GB RAM,
1T HDD, DVD Super Multi DL drive, Asus ROG GL522VW

Operating System : Windows 7, Ubuntu

Software : VMware Workstation Pro

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	Tanggal	16 Oktober 2017
	Halaman	1 dari 1
PEER ASSESSMENT MARKS		

Group Number :

Presentation Test Type : ISAS/Project/.....

Date :

Time :

Group Number	Timeliness (Mak. 25)	Presentation Performance (Mak. 25)	Originality of the Subject (Mak. 25)	Knowledge of the Subject (Mak. 25)	TOTAL MARKS
1					

- **Timeliness** will be calculates by time of attending the presentation
- **Presentation Performance** will be assessed from the ability of groups when presenting the subject and handling questions from the audience.
- **Originality of the subject** will be marked based on the ideas of the ISAS/Project/other
- **Knowledge of the Subject** means how good the group mastering the topicafter working on the ISAS/Project/other.

Assessor	:
Group Number	:
Group Member	:

—

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