

dokumentasi tentang instalasi SAMBA Server

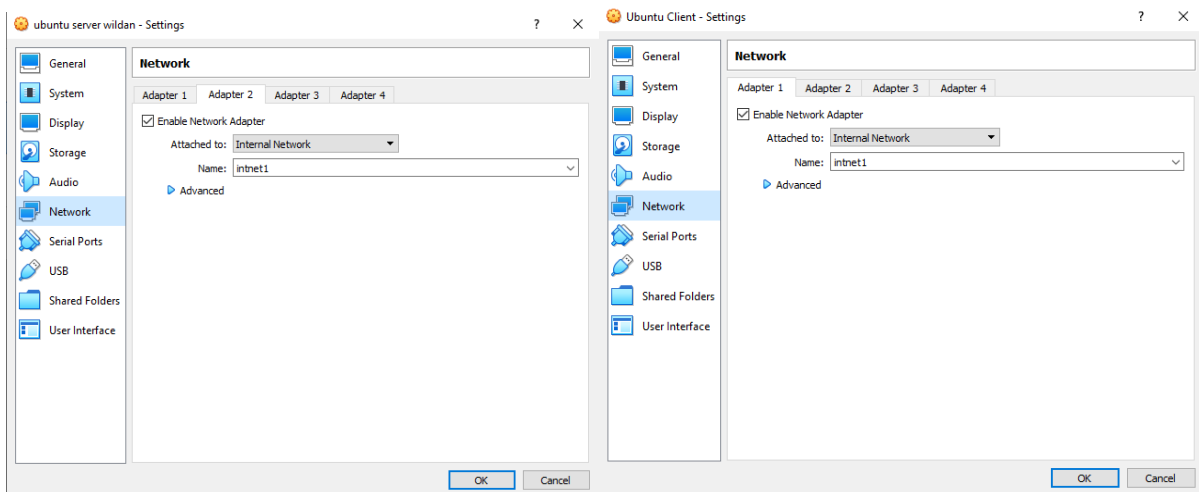
Nama: Wildan Aburrasyid

Kelas: 11 TKJ 2

Samba adalah sebuah program dengan protokol client server menjembatani proses penyediaan layanan untuk berbagi data atau dokumen antara sistem operasi keluarga UNIX dengan sistem operasi microsoft windows, serta memungkinkan kita untuk bisa menggunakan resource yang didukung secara bersama-sama dalam suatu jaringan.

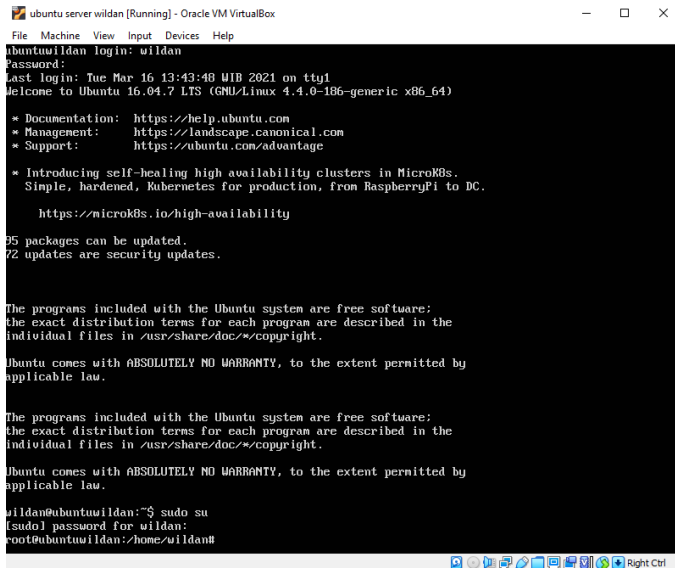
Aplikasi Samba Server ini berjalan dibawah platform sistem operasi keluarga UNIX dengan menggunakan protokol SMB atau Service Message Block yang mana protokol ini juga digunakan oleh sistem operasi microsoft windows yang juga memiliki fungsi sebagai jaringan client server dalam proses penggunaan data beserta resource yang ingin difungsikan secara bersama-sama.

1. Setting network Ubuntu server dan Ubuntu client di virtual box seperti pada gambar berikut.
(Virtualbox>VirtualMachine>Setting>Network)



2. Buka Ubuntu server-nya dan login.
3. Masuk ke root dengan cara ketikkan perintah.

"sudo su" dan masukkan password



```
ubuntu server wildan [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
ubuntu@wildan login: wildan
Password:
Last login: Tue Mar 16 13:43:48 WIB 2021 on tty1
Welcome to Ubuntu 16.04.7 LTS (GNU/Linux 4.4.0-186-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

 * Introducing self-healing high availability clusters in MicroK8s.
   Simple, hardened, Kubernetes for production, from RaspberryPi to DC.
   https://microk8s.io/high-availability

95 packages can be updated.
72 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

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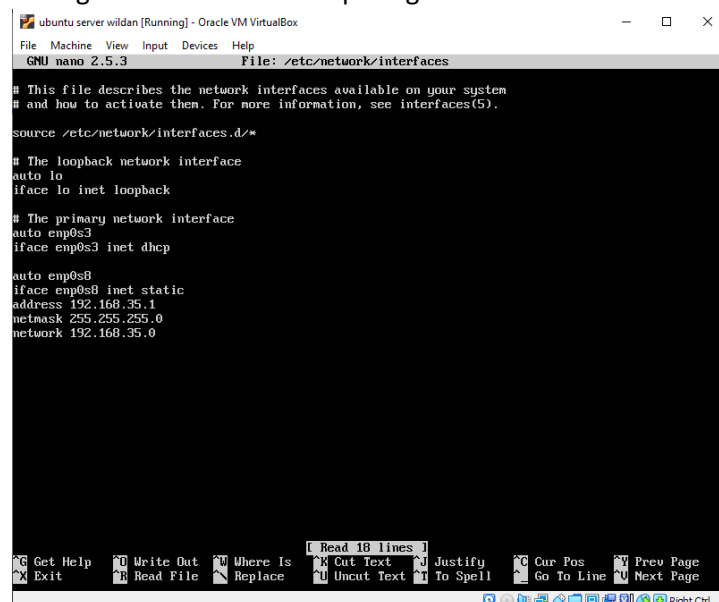
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

wildan@ubuntu@wildan:~$ sudo su
[sudo] password for wildan:
root@ubuntu@wildan:~#
```

4. Masuk ke network interface dengan cara ketikkan perintah.

Sudo nano /etc/network/interfaces

5. Setting network interface seperti gambar berikut.



```
ubuntu server wildan [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
GNU nano 2.5.3 File: /etc/network/interfaces

# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto eno0s3
iface eno0s3 inet dhcp

auto eno0s8
iface eno0s8 inet static
address 192.168.35.1
netmask 255.255.255.0
network 192.168.35.0
```

6. Ketik-kkan perintah untuk melihat status network interface.

Service networking restart

Service networking status

```
ubuntu server wildan [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

root@ubuntuwildan:/home/wildan# systemctl restart network
Failed to restart network.service: Unit network.service not found.
root@ubuntuwildan:/home/wildan# service networking restart

*[[[A*[[B*[[A
root@ubuntuwildan:/home/wildan# service networking restart
root@ubuntuwildan:/home/wildan# service networking status
* networking.service - Raise network interfaces
  Loaded: loaded (/lib/systemd/system/networking.service; enabled; vendor preset: enabled)
  Drop-In: /run/systemd/generator/networking.service.d
           50-insserv.conf-$network.conf
  Active: active (exited) since Tue 2021-03-16 13:49:18 WIB; 1min 3s ago
    Docs: man:interfaces(5)
  Process: 1685 ExecStop=/sbin/ifdown -a --read-environment --exclude=lo (code=exited, status=0/SUCCESS)
  Process: 1769 ExecStart=/sbin/ifup -a --read-environment (code=exited, status=0/SUCCESS)
  Process: 1764 ExecStartPre=/bin/sh -c [ "$CONFIGURE_INTERFACES" != "no" ] && [ -n "$(ifquery --rea
Main PID: 1769 (code=exited, status=0/SUCCESS)
Tasks: 1
  Memory: 892.0K
    CPU: 440ms
  CGroup: /system.slice/networking.service
          └─1818 /sbin/dhclient -1 -v -pf /run/dhclient.emps3.pid -lf /var/lib/dhcp/dhclient.emps3

Mar 16 13:49:17 ubuntuwildan ifup[1769]: DHCPDISCOVER on emp0s3 to 255.255.255.255 port 67 interval
Mar 16 13:49:17 ubuntuwildan dhclient[1785]: DHCPREQUEST of 172.16.10.150 on emp0s3 to 255.255.255.2
Mar 16 13:49:17 ubuntuwildan ifup[1769]: DHCPREQUEST of 172.16.10.150 on emp0s3 to 255.255.255.2
Mar 16 13:49:17 ubuntuwildan ifup[1769]: DHCPPOFFER of 172.16.10.150 from 172.16.10.1
Mar 16 13:49:17 ubuntuwildan dhclient[1785]: DHCPPOFFER of 172.16.10.150 from 172.16.10.1
Mar 16 13:49:17 ubuntuwildan dhclient[1785]: DHCPACK of 172.16.10.150 from 172.16.10.1
Mar 16 13:49:17 ubuntuwildan ifup[1769]: DHCPACK of 172.16.10.150 from 172.16.10.1
Mar 16 13:49:17 ubuntuwildan dhclient[1785]: bound to 172.16.10.150 -- renewal in 253 seconds.
Mar 16 13:49:17 ubuntuwildan ifup[1769]: bound to 172.16.10.150 -- renewal in 253 seconds.
Mar 16 13:49:18 ubuntuwildan systemd[1]: Started Raise network interfaces.
lines 1-26/26 (END)
root@ubuntuwildan:/home/wildan#
```

7. Install samba server dengan mengetikkan perintah.

```
Sudo apt install samba
```

```
Sudo apt install smbclient
```

```
ubuntu wildan 2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Setting up python-dnspython (1.12.0-1) ...
Setting up python-crypto (2.6.1-6ubuntu0.16.04.3) ...
Setting up libtalloc2:amd64 (2.1.5-2) ...
Setting up libtdb1:amd64 (1.3.8-2) ...
Setting up libevent0:amd64 (0.9.28-0ubuntu0.16.04.1) ...
Setting up libldb1:amd64 (2:1.1.24-1ubuntu3.2) ...
Setting up libpython2.7:amd64 (2.7.12-1ubuntu0~16.04.18) ...
Setting up python-ldb (2:1.1.24-1ubuntu3.2) ...
Setting up python-tdb (1.3.8-2) ...
Setting up python-talloc (2.1.5-2) ...
Setting up libavahi-common-data:amd64 (0.6.32~rc+dfsg-1ubuntu2.3) ...
Setting up libavahi-common3:amd64 (0.6.32~rc+dfsg-1ubuntu2.3) ...
Setting up libavahi-client3:amd64 (0.6.32~rc+dfsg-1ubuntu2.3) ...
Setting up libcups2:amd64 (2.1.3-4ubuntu0.11) ...
Setting up samba-libs:amd64 (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up python-samba (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up samba-common (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...

Creating config file /etc/samba/smb.conf with new version
Setting up samba-common-bin (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up tdb-tools (1.3.8-2) ...
update-alternatives: using /usr/bin/tdbbackup.tdbtools to provide /usr/bin/tdbbackup (tdbbackup) in
auto mode
Setting up libfile-copy-recursive-perl (0.38-1) ...
Setting up update-inetd (4.43) ...
Setting up samba (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up attr (1:2.4.47-2) ...
Setting up libaio1:amd64 (0.3.110-2) ...
Setting up samba-dsdb-modules (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up samba-ufb-modules (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Processing triggers for libc-bin (2.23-0ubuntu11.2) ...
Processing triggers for ureadahead (0.100.0-19.1) ...
Processing triggers for systemd (229-4ubuntu21.28) ...
Processing triggers for ufw (0.35-0ubuntu2) ...
root@ubuntuwildan:~# apt install samba

ubuntu wildan 2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Reading state information... Done
The following additional packages will be installed:
  libarchive13 libsmclient
Suggested packages:
  lrzip cifs-utils heimdal-clients
The following NEW packages will be installed:
  libarchive13 libsmclient smbclient
0 upgraded, 3 newly installed, 0 to remove and 82 not upgraded.
Need to get 626 kB of archives.
After this operation, 2,480 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu xenial-updates/main amd64 libarchive13 amd64 3.1.2-11ubunt
u0.16.04.8 [262 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu xenial-updates/main amd64 libsmclient amd64 2:4.3.11+dfsg
-0ubuntu0.16.04.32 [53.3 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu xenial-updates/main amd64 smbclient amd64 2:4.3.11+dfsg-0u
buntu0.16.04.32 [312 kB]
Fetched 626 kB in 5s (114 kB/s)
Selecting previously unselected package libarchive13:amd64.
(Reading database ... 62943 files and directories currently installed.)
Preparing to unpack .../libarchive13_3.1.2-11ubuntu0.16.04.8_amd64.deb ...
Unpacking libarchive13:amd64 (3.1.2-11ubuntu0.16.04.8) ...
Selecting previously unselected package libsmclient:amd64.
Preparing to unpack .../libsmclient_2:4.3.11+dfsg-0ubuntu0.16.04.32_amd64.deb ...
Unpacking libsmclient:amd64 (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Selecting previously unselected package smbclient.
Preparing to unpack .../smbclient_2:4.3.11+dfsg-0ubuntu0.16.04.32_amd64.deb ...
Unpacking smbclient (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Processing triggers for libc-bin (2.23-0ubuntu11.2) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up libarchive13:amd64 (3.1.2-11ubuntu0.16.04.8) ...
Setting up libsmclient:amd64 (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up smbclient (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Processing triggers for libc-bin (2.23-0ubuntu11.2) ...
root@ubuntuwildan:~# apt install smbclient
```

8. Masuk ke settingan samba dengan cara ketikkan perintah.

```
nano /etc/samba/smb.conf
```

```
ubuntu wildan 2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
GNU nano 2.5.3 File: /etc/samba/smb.conf

# admin users are members of.
# Please note that you also need to set appropriate Unix permissions
# to the drivers directory for these users to have write rights in it
; write list = root, @lpadmin

[homes]
comment = Home Directories
browseable = yes
read only = no
create mask = 0700
directory mask = 0700
valid users = %S

[public]
comment = public anonymous access
path = /var/samba/
browseable = yes
create mask = 0660
directory mask = 0771
writable = yes
guest ok = yes
```

9. Buat user untuk samba server dengan cara ketikkan perintah.

Adduser linuxconfig

Masukkan passwordnya saja, selain itu enter!

10. Uji dan buat file samba server dengan cara ketikkan perintah.

Mkdir /var/samba/

Chmod 777 /var/samba/

smbclient -L localhost

touch /var/samba/public-share

touch /home/linuxconfig/home-share

```
ubuntu wildan 2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Unpacking libarchive13:amd64 (3.1.2-1ubuntu0.16.04.8) ...
Selecting previously unselected package libsmbclient:amd64.
Preparing to unpack .../libsmbclient_2:4.3.11+dfsg-0ubuntu0.16.04.32_and64.deb ...
Unpacking libsmbclient:amd64 (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Selecting previously unselected package smbclient.
Preparing to unpack .../smbclient_2:4.3.11+dfsg-0ubuntu0.16.04.32_and64.deb ...
Unpacking smbclient (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Processing triggers for libc-bin (2.23-0ubuntu1.2) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up libarchive13:amd64 (3.1.2-1ubuntu0.16.04.8) ...
Setting up libsmbclient:amd64 (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Setting up smbclient (2:4.3.11+dfsg-0ubuntu0.16.04.32) ...
Processing triggers for libc-bin (2.23-0ubuntu1.2) ...
root@ubuntuwildan:~# smbclient -L localhost
WARNING: The "syslog" option is deprecated
Enter root's password:
Domain=[WORKGROUP] OS=[Windows 6.1] Server=[Samba 4.3.11-Ubuntu]

  Sharename      Type            Comment
  -----
  print$         Disk            Printer Drivers
  homes           Disk            Home Directories
  public          Disk            public anonymous access
  IPC$           IPC             IPC Service (ubuntuwildan server (Samba, Ubuntu))
Domain=[WORKGROUP] OS=[Windows 6.1] Server=[Samba 4.3.11-Ubuntu]

  Server          Comment
  -----
  SAYFMALIK       SayfMalik server (Samba, Ubuntu)
  UBUNTUWILDAN    ubuntuwildan server (Samba, Ubuntu)

  Workgroup
  -----
  WORKGROUP      SAYFMALIK

root@ubuntuwildan:~# touch /var/samba/public-share
root@ubuntuwildan:~# touch /home/linuxconfig/home-share
root@ubuntuwildan:~#
```

11. Buka Ubuntu client.

12. Buka dan cek network, apakah ada file dari server.

