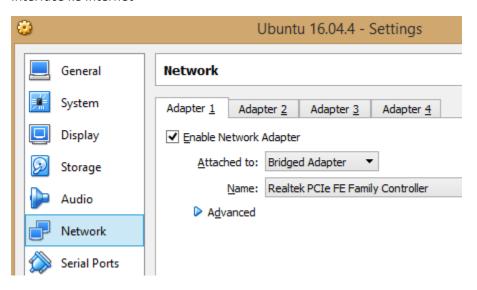
# Tutorial penggunakan X-code pandawa Router & Server

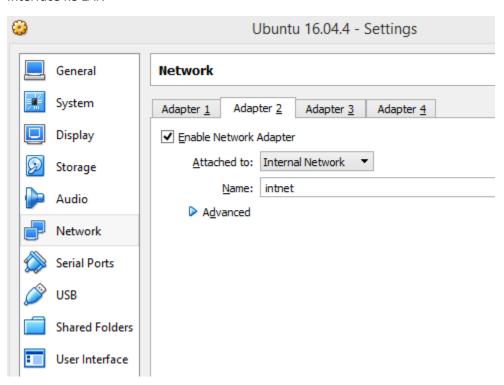
Oleh Kurniawan. Xcode.or.id

# Installasi untuk router

Interface ke internet



#### Interface ke LAN



```
root@ubuntudata:/home/data# git clone https://github.com/kurniawandata/xcodepandawa2 Cloning into 'xcodepandawa2'...
remote: Counting objects: 59, done.
remote: Compressing objects: 100% (57/57), done.
remote: Total 59 (delta 17), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (59/59), done.
Checking connectivity... done.
root@ubuntudata:/home/data# cd xcodepandawa2/
root@ubuntudata:/home/data/xcodepandawa2# ls -l
total 836
-rw-r-r-- 1 root root 1910 May 22 11:47 README.md
-rw-r--r-- 1 root root 851332 May 22 11:47 xcodepandawa23.deb
root@ubuntudata:/home/data/xcodepandawa2# _
```

git clone https://github.com/kurniawandata/xcodepandawa2

cd xcodepandawa2

```
root@ubuntudata:/home/data/xcodepandawa2# dpkg -i xcodepandawa23.deb
Selecting previously unselected package xcodepandawa23.
(Reading database ... 63825 files and directories currently installed.)
Preparing to unpack xcodepandawa23.deb ...
Unpacking xcodepandawa23 (1-2) ...
Setting up xcodepandawa23 (1-2) ...
root@ubuntudata:/home/data/xcodepandawa2#_
```

dpkg -i xcodepandawa23.deb

```
root@ubuntudata:/home/data/xcodepandawa2# cd /xcodepandawa2/
root@ubuntudata:/xcodepandawa2# ls -l
total 32
drwxrwxrwx 10 root root 4096 May 22 11:48 ****
-rwxrwxrwx 1 root root 12290 May 12 13:30 **xcoderouter
-rwxrwxrwx 1 root root 9359 May 12 13:32 **xcodeserver
root@ubuntudata:/xcodepandawa2# _
```

cd /xcodepandawa2

```
-rwxrwxrwx 1 root root 5555 nay 12 15.52 xcode
root@ubuntudata:/xcodepandawa2# ./xcoderouter
```

./xcoderouter

```
X-code Pandawa Router for Ubuntu 16.04 Server
Progammer : Kurniawan, xcode.or.id
Version 2.3 - 12/05/2018
Router & Server pendukung router
[1] Install X-code Pandawa Router
[2] Setting IP Address untuk eth0 dan eth1
[3] Install NAT, DHCP Server & Bandwidth monitoring[4] Install HTB untuk bandwidth managemen
[5] Install Squid untuk log dan cache pada client
[6] Setting DHCP Server
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
______
Masukkan Nomor Pilihan Anda [1 - 26] :
```

Tampilan X-code Pandawa Router

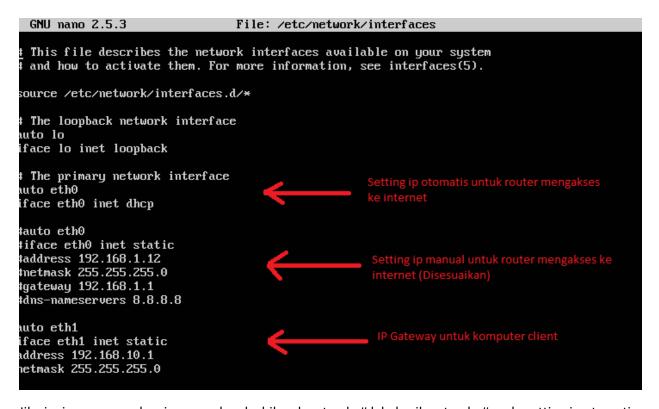
# Install X-code Pandawa & Setting ip:

X-code Pandawa Router for Ubuntu 16.04 Server Progammer: Kurniawan. xcode.or.id Version 2.3 - 12/05/2018
Router & Server pendukung router [1] Install X-code Pandawa Router [2] Setting IP Address untuk eth0 dan eth1 [3] Install MAT, DHCP Server & Bandwidth monitoring [4] Install HTB untuk bandwidth managemen [5] Install Squid untuk log dan cache pada client [6] Setting DHCP Server [7] Setting HTB Bandwidth managemen [8] Matikan HTB Bandwidth managemen [9] Hidupkan HTB Bandwidth managemen [10] Jalankan monitoring Bandwidth [11] Port Forwarding [12] Pasang Squid + Log (transparent) [13] Pasang Squid + Log + Cache (transparent) [14] Install UPN Server PPTP [15] Setting ip client UPN Server [16] Setting Password UPN Server [17] Setting ms-dns pada UPN Server
Log dan lainnya [18] Lihat user yang mendapatkan akses dari DHCP Server [19] Lihat log website yang dibuka client [20] Lihat ukuran cache squid [21] Edit squid.conf [22] Ganti rc.local untuk NAT otomatis jika direstart [23] Edit rc.local untuk jalankan squid, htb, port forward otomatis [24] Pindah ke X-code Pandawa Server [25] Reboot [26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] : 1

Pilih nomor 1 lalu enter

```
.20] Lihat ukuran cache squid
211 Edit squid.conf
221 Ganti rc.local untuk NAT otomatis jika direstart
231 Edit rc.local untuk jalankan squid, htb, port forward otomatis
241 Pindah ke X-code Pandawa Server
251 Reboot
261 Exit
-----
fasukkan Nomor Pilihan Anda [1 - 26] : 1
nter new UNIX password:
                                                        Alternaif selain mengakses dengan
type new UNIX password:
isswd: password updated successfully
eading package lists... Done
ilding dependency tree
ading state information... Done
ne following NEW packages will be installed:
shellinabox
```

Isi password user root, sebagai alternatif selain user anda sendiri



Jika ingin menggunakan ip manual maka hilangkan tanda # lalu berikan tanda # pada setting ip otomatis

Setelah selesai tekan ctrl + x

Setelah itu akan sembarang lalu restart

```
Ubuntu 16.04.4 LTS ubuntudata tty1
ubuntudata login: data
Password:
```

Reboot lalu masuk ke halaman login

```
X-code Pandawa Router for Ubuntu 16.04 Server
Progammer: Kurniawan. xcode.or.id
Version 2.3 - 12/05/2018
Router & Server pendukung router
[1] Install X-code Pandawa Router
[2] Setting IP Address untuk eth0 dan eth1
[3] Install NAT, DHCP Server & Bandwidth monitoring
[4] Install HTB untuk bandwidth managemen
[5] Install Squid untuk log dan cache pada client
[6] Setting DHCP Server
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada UPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] :
```

Setelah login maka langsung masuk ke tampilan seperti di atas.

# Install NAT, DHCP Server & Bandwidth monitoring

X-code Pandawa Router for Ubuntu 16.04 Server
Progammer : Kurniawan. xcode.or.id
Version 2.3 - 12/05/2018
:
Router & Server pendukung router
[1] Install X-code Pandawa Router
[21 Secting IP Address untuk eth0 dan eth1
[3] Install NAT, DHCP Server & Bandwidth monitoring
111 Install HTB untuk bandwidth managemen
[5] Install Squia untuk ivy dan cache pada client
[6] Setting DHCP Server
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
======================================
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
1201 EXIC
Masukkan Nomor Pilihan Anda [1 - 26 : 3_

Pilih nomor 3 lalu enter

```
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
 [24] Pindah ke X-code Pandawa Server
 [25] Reboot
[26] Exit
 ______
Masukkan Nomor Pilihan Anda [1 - 26] : 3
Apakah anda mau yakin mau install NAT, DHCP Server, dan iptraf ? 🎶n :y
net.ipv4.ip_forward = 1
NAT sudah diinstall
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
 libirs-export141 libisccfg-export140
Suggested packages:
isc-dhcp-server-ldap policycoreutils
The following NEW packages will be installed:
 isc-dhcp-server libirs-export141 libisccfg-export140
O upgraded, 3 newly installed, O to remove and 100 not upgraded.
Need to get 501 kB of archives.
After this operation, 1,787 kB of additional disk space will be used.
Do you want to continue?[Y/1] y
0% [Connecting to us.archive.ubantu.com]
```

Tekan y semua

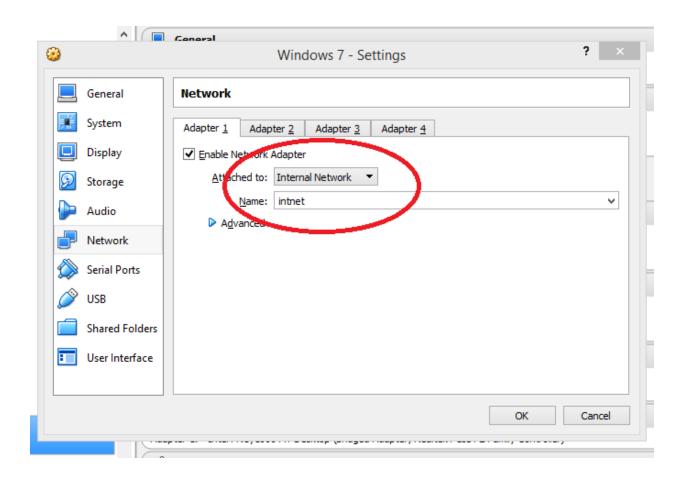
```
# Sample /etc/dhcpd.conf
# (add your comments here)
# (add your comments he
```

Sesuaikan dengan range ip, router, dan domain-maneservers yang ingin dibangun

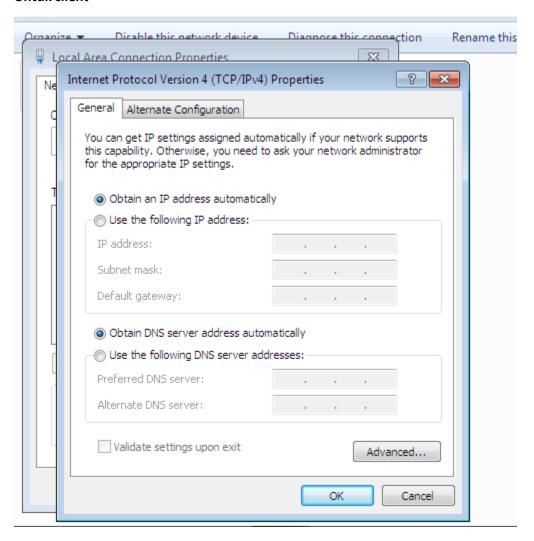
Jika sudah tekan ctrl+x

```
DHCP Server sudah diinstall
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
O upgraded, 1 newly installed, O to remove and 100 not upgraded.
Need to get 123 kB of archives.
After this operation, 575 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu xenial/main i386 iptraf i386 3.0.0-8.1build1
Fetched 123 kB in 6s (17.9 kB/s)
Selecting previously unselected package iptraf.
(Reading database ... 63961 files and directories currently installed.)
Preparing to unpack .../iptraf_3.0.0-8.1build1_i386.deb ...
Unpacking iptraf (3.0.0-8.1build1) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up iptraf (3.0.0-8.1build1) ...
iptraff sudah diinstall
X-code Pandawa
Oleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
Kembali ke menu? [y/n]: y
```

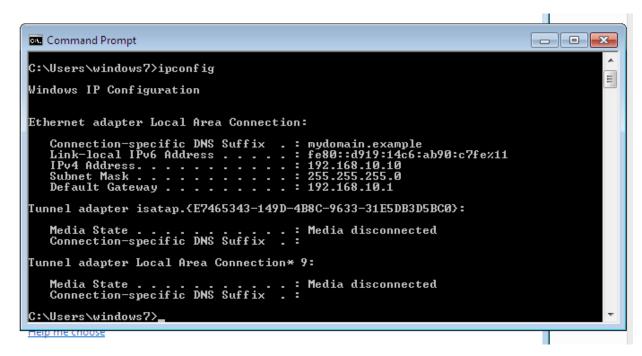
## Tekan y lalu enter



#### **Untuk client**



Setting ip di komputer client



# **Ipconfig**

Di sini komputer client berhasil mendapatkan ip

```
Tunnel adapter isatap. (E7465343-149D-4B8C-9633-31E5DB3D5BC0):

Media State . . . . . . . . . Media disconnected
Connection-specific DNS Suffix .:

Tunnel adapter Local Area Connection* 9:

Media State . . . . . . . . . . . . . . Media disconnected
Connection-specific DNS Suffix .:

C:\Users\windows7\ping detik.com

Pinging detik.com [203.190.242.211] with 32 bytes of data:
Reply from 203.190.242.211: bytes=32 time=14ms TTL=56
Reply from 203.190.242.211: bytes=32 time=13ms TT
```

Hasilnya berhasil ping ke situs detik.com

```
Install NAT, DHCP Server & Bandwidth monitoring
    Install HTB untuk bandwidth managemen
[5] Install Squid untuk log dan cache pada client
[6] Setting DHCP Server
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[221] Ganti rc.local untuk NAT otomatis jika direstart
Izzī Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] :
```

Berikut agar saat restart router tetap berjalan, maka pilih nomor 22 lalu enter

Setelah itu pilih y lalu enter

```
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward
1241 Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
______
                                    _____
Masukkan Nomor Pilihan Anda [1 - 26]
                                23
```

Pilih angka 23 lalu enter

```
#!/bin/sh -e
 rc.local
 This script is executed at the end of each multiuser runlevel. Make sure that the script will "exit 0" on success or any other
  value on error.
 In order to enable or disable this script just change the execution
 By default this script does nothing.
sudo sysctl -w net.ipv4.ip_forward=1
'sbin∕iptables -P FORWARD ACCEPT
∕sbin∕iptables --table nat -A POSTROUTING -o eth0 -j MASQUERADE
#Hilangkan tanda pagar pada perintah di bawah ini untuk mengaktifkan bandwidth managemen secara oto$
#/etc/init.d/rc.htb start_eth1
#Hilangkan tanda pagar pada perintah iptables di bawah ini untuk mengaktifkan port forwarding secar$
#sysctl -w net.ipv4.ip_forward=1
#iptables -t nat -A PREROUTING -j DNAT -d ipaddresswanrouter -p tcp --dport nomorportyangdiforward 💲
#Hilangkan tanda pagar pada perintah iptables di bawah ini untuk mengaktifkan Squid secara otomatis$
#iptables -t nat -A PREROUTING -i eth1 -p tcp -m tcp --dport 80 -j DNAT --to-destination ipaddressl$
```

Tampilan isi file rc.local

Tekan ctrl+x

```
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forwar
[27] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
[28] Exit
[28] Exit
```

Untuk menguji router tetap jalan walaupun sudah direstart, maka pilih nomor 25 lalu enter

```
Ubuntu 16.04.4 LTS ubuntudata tty1
ubuntudata login: data
Password:
```

Setelah restart maka muncul login seperti di atas

# Select a location for the 'Network 5' network

```
Pinging detik.com [203.190.242.211] with 32 bytes of data:
Reply from 203.190.242.211: bytes=32 time=14ms TTL=56
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
Reply from 203.190.242.211: pytes=32 time=13ms TTL=56
Reply from 203.190.242.211: pytes=32 time=13ms TTL=56

Ping statistics for 203.190.242.211: Packets: Sent = 4. Received = 4. Lost = 0 (0% loss).
Approximate round trin times in milli-seconds:
Minimum = 12ms, Maximum = 14ms, Hor. ac = 13ms

C:\Users\windows7\ping google.com

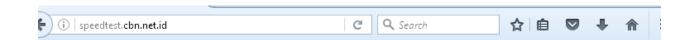
Vinging google.com [74.125.24.113] with 32 bytes of data:
Reply from 74.125.24.113: bytes=32 time=29ms TTL=43
Reply from 74.125.24.113: bytes=32 time=29ms TTL=43
Reply from 74.125.24.113: bytes=32 time=29ms TTL=43
Reply from 74.125.24.113: bytes=32 time=28ms TTL=43

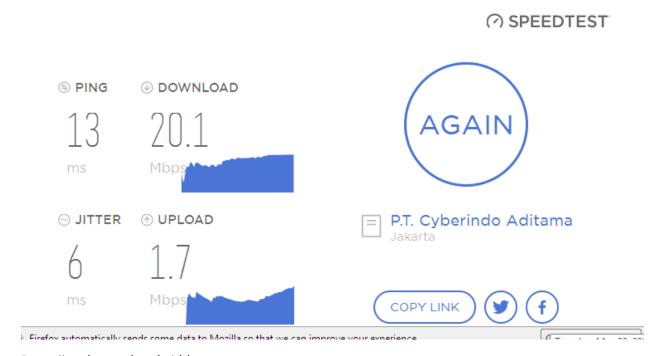
Ing statistics for 74.125.24.113:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minima = 28ms, Maximum = 31ms, Average = 29ms

C:\Users\windows7\>

Megp Metanoose
```

Ping ke google.com lancar





Pengujian dengan bandwidth test

#### Melihat user yang mendapatkan ip dari DHCP Server :

```
-----
X-code Pandawa Router for Ubuntu 16.04 Server
Progammer : Kurniawan. xcode.or.id
Version 2.3 - 12/05/2018
-=-=-=-=-=-=-=
Router & Server pendukung router
[1] Install X-code Pandawa Router
[2] Setting IP Address untuk eth0 dan eth1
[3] Install NAT, DHCP Server & Bandwidth monitoring
[4] Install HTB untuk bandwidth managemen
[5] Install Squid untuk log dan cache pada client
[6] Setting DHCP Server
[71 Setting HTB Bandwidth managemen[81 Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
=-=-=-=-=-=-
  g aan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Linux log uphsite yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
-----
                                     18_
Masukkan Nomor Pilihan Anda [1 - 26]
```

Untuk melihat user yang mendapatkan ip dari DHCP Server pilih nomor 18 lalu enter.

```
| IZ4| Pindah ke X-code Pandawa Server | IZ5| Reboot | IZ6| Exit |
```

Client yang mendapatkan ip dari DHCP Server terdeteksi

#### **Memonitoring Bandwidth**

```
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidephan hid banawiach manigemen
[10] Jalankan monitoring Bandwidth
[11] Port Formaling
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
-----
Masukkan Nomor Pilihan Anda [1 - 26] [ 10
```

Untuk memonitoring bandwidth pilih nomor 10 lalu enter

```
IPTraf

IPTraf

An IP Network Statistics Utility

Version 3.0.0

Written by Gerard Paul Java

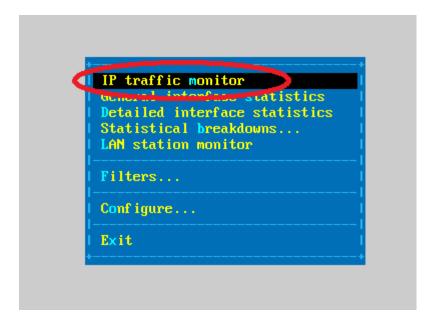
Copyright (c) Gerard Paul Java 1997-2004

This program is open-source software released under the terms of the GNU General Public Public License Version 2 or any later version.

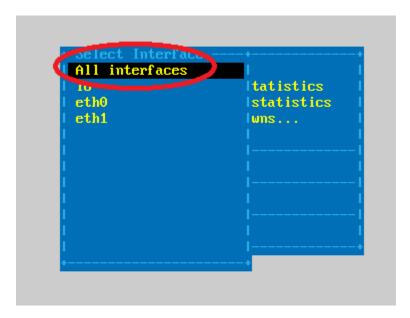
See the included LICENSE file for details.

Press a key to continue
```

Tampilan iptraf



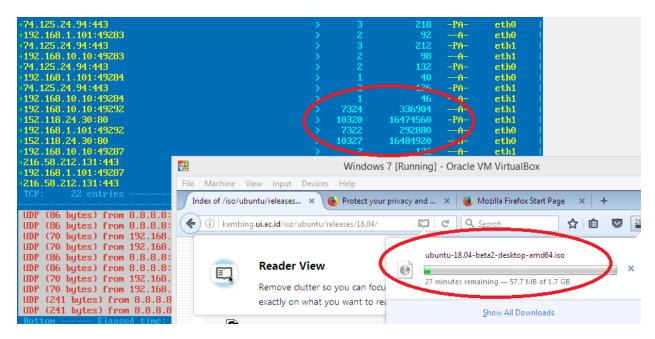
Pilih IP traffic monitor



Pilih All interfaces

```
Minimum = 12ms, Maximum = 13ms, Average = 12ms
192.168.10.10:49211
104.93.102.253:80
                                                                                                                               C:\Users\windows7>ping detik.com
192.168.1.101:49211
104.93.102.253:80
                                                                                                                               Pinging detik.com [203.190.242.211] with 32 bytes of data
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
Reply from 203.190.242.211: bytes=32 time=12ms TTL=56
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
192.168.10.10:49301
152.118.24.30:80
192.168.1.101:49301
152.118.24.30:80
                                                                                                                              Ping statistics for 203.190.242.211:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 12ms, Maximum = 13ms, Average = 12ms
                                                                                                                                C:\Users\windows?)ping aet1k.com
                                                                                                                              Pinging detik.com [203.190.242.211] with 32 bytes of a
Reply from 203.190.242.211: bytes=32 time=13ms TIL=56
Feply from 203.190.242.211: bytes=32 time=13ms TIL=56
Reply from 203.190.242.211: bytes=32 time=12ms TIL=56
Reply from 203.190.242.211: bytes=32 time=13ms TIL=56
                                                                                                                              Ping statutions for 203.190.242.211:
Packets: Sent = 1, hours | 1, host = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 12ms, Maximum = 13ms, Average = 12ms
                                                                                                                               C:\Users\windows7>ping detik.com
ICMP echo rel; (50 oytes) from 202 190.242.211
ICMP echo rel; (60 bytes) from 203.190.212.211
ICMP echo req (60 bytes) from 192.168.10.10 o
ICMP echo req (60 bytes) from 192.168.1.101 to
                                                                                                                              Pinging detik.com [203.190.242.211] with 32 bytes of data
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
Reply from 203.190.242.211: bytes=32 time=12ms TTL=56
Reply from 203.190.242.211: bytes=32 time=13ms TTL=56
 CMP echo rply (60 bytes) from 203.190.242.211
CMP echo rply (60 bytes) from 203.190.242.211
                                                                                                                                Ping statistics for 203.190.242.211:
Packets: Sent = 4. Received = 4, Lost = 0 (0% loss).
```

Ping terdeteksi



Ketika user download, maka terdeteksi bandwidth-nya

#### Bandwidth managemen:

```
Setting IP Address untuk eth0 dan eth1
     install HHI, DHUR Server a Danuwide. "emitoring
[4] Install HTB untuk bandwidth managemen
     Tetall Squid untuk log dan gacke pung client
[6] Setting DHCP Server
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada UPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port foru
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
_____
Masukkan Nomor Pilihan Anda [1 - 26]
```

Untuk install bandwidth managemen pilih nomor 4 lalu enter

```
*************
# eth1-qos.cfg #
# for how to configure and use see docs/HowTo/
class class_1 {
     bandwidth 192;
     limit 1024;
     burst 2;
     priority 1:
              client client_1 {
                 bandwidth 48;
                  limit 512;
                                                  Limit bandwidth dilakukan
                 burst 2.
priority 1:
dst 4
                      192.168.10.10/32;
                };
              client client_2 {
                 bandwidth 48;
                  limit 256;
                 burst 2;
                 priority 1;
                    dst {
                       192.168.10.11/32;
                          };
                };
              client client_3 {
```

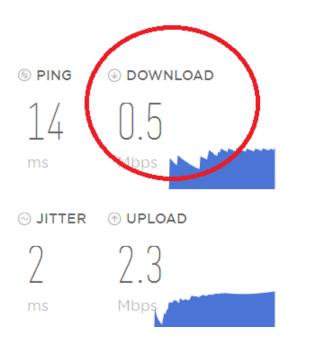
Limit bandwidth dibatasi 512Kbps

Setelah selesai tekan ctrl+x lalu simpan

```
dst {
                             192.168.10.10/32;
                                 };
                     };
                  client client_2 {
                      bandwidth 48;
                      limit 256;
                      burst 2:
                      priority 1:
                         dst {
                             192.168.10.11/32;
                                 };
                    };
                  client client_3 {
Starting HTB-tools on eth1 ...
Checking the config file ...OK
Checking kernel support for HTB: present.
HTB-tools was successfuly started on eth1.
hbt sudah diinstall
K-code Pandawa
Dleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
Kembali ke menu? [y∕n]: _
```

Pilih y lalu enter





Hasilnya download berhasil dibatasi, yaitu 0,5Mbps













## **Install Squid:**



Install squid dengan memilih nomor 5 lalu enter

```
LZ41 rindan ke x-code randawa server
 [25] Reboot
[26] Exit
______
Masukkan Nomor Pilihan Anda [1 - 26] : 5
Apakah anda yakin install Squid ? y∕n【:y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
 libecap3 libltd17 squid squid-common squid-langpack
Suggested packages:
 squidclient squid-cgi squid-purge winbindd
The following NEW packages will be installed:
 libecap3 lib1td17 squid squid-common squid-langpack squid3
0 upgraded, 6 newly installed, 0 to remove and 100 not upgraded.
Need to get 2,750 kB of archives.
After this operation, 11.7 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
0% [Connecting to us.archive.ubantu.com]
```

### Pilih y

```
Processing triggers for ufw (0.35-Oubuntu2) ...
Processing triggers for systemd (229-4ubuntu21.1) ...
Processing triggers for ureadahead (0.100.0-19) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up libecap3:i386 (1.0.1-3ubuntu3) ...
Setting up libltd17:i386 (2.4.6-0.1) ...
Setting up squid-langpack (20150704-1) ...
Setting up squid-common (3.5.12-1ubuntu7.5) ...
Setting up squid (3.5.12-1ubuntu7.5) ...
insserv: warning: script 'rc.htb' missing LSB tags and overrides
Skipping profile in /etc/apparmor.d/disable: usr.sbin.squid
Processing triggers for libc-bin (2.23-Oubuntu10) ...
Processing triggers for systemd (229-4ubuntu21.1) ...
Processing triggers for ureadahead (0.100.0-19) ...
Processing triggers for ufw (0.35-Oubuntu2) ...
Selecting previously unselected package squid3.
(Reading database ... 66326 files and directories currently installed.
reparing to unpack .../squid3_3.5.12-1ubuntu7.5_all.deb ...
Unpacking squid3 (3.5.12-1ubuntu7.5) ...
Setting up squid3 (3.5.12-1ubuntu7.5) ...
insserv: warning: script 'rc.htb' missing LSB tags and overrides
X-code Pandawa
Dleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
Kembali ke menu? [y∕n]: y
```

```
Install NAT, DHCP Server & Bandwidth monitoring
[4] Install HTB untuk bandwidth managemen
[5] Install Squid untuk log dan cache pada client
[6] Setting DHCP Server
[7] Setting HTB Bandwidth managemen
[8] Matikan HTB Bandwidth managemen
[9] Hidupkan HTB Bandwidth managemen
[10] Jalankan monitoring Bandwidth
[11] Port Forwarding
[12] Pasang Souta
131 Pasang Squid + Log + Cache (transparent)
[14] Install vin Jerve
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
=-=-=-=-=-=-=-=-=-=
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward ot
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
______
Masukkan Nomor Pilihan Anda [1 - 26] 🤃 13
```

Pilih nomor 13 lalu enter

Masukkan ip lan

#### Tekan enter

J. J
[13] Pasang Squid + Log + Cache (transparent)
[14] Install UPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada UPN Server
=-=-=-=-=-=-=-=-=-=-=-=-=-============
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] 23

Pilih 23

Setelah reboot

```
sudo sysctl -w net.ipv4.ip_forward=1
/sbin/iptables -P FORWARD ACCEPT
/sbin/iptables --table nat -A POSTROUTING -o eth0 -j MASQUERADE
#Hilangkan tanda pagar pada perintah di bawah ini untuk mengak1
/etc/init.d/rc.htb start_eth1
#Hilangkan tanua payar pada perintah iptables di bawah ini untu
#sysctl -w net.ipv4.ip_forward=1
#iptables -t nat -A PREROUTING -j DNAT -d ipaddresswanrouter -p
#Hilangkan tanda pagar pada perintah iptables di bawah ini untu
iptables -t nat -A PREROUTING -i eth1 -p tcp m tcp --dport 80
exit v
```

Hilangkan pagar untuk htb dan iptables untuk squid

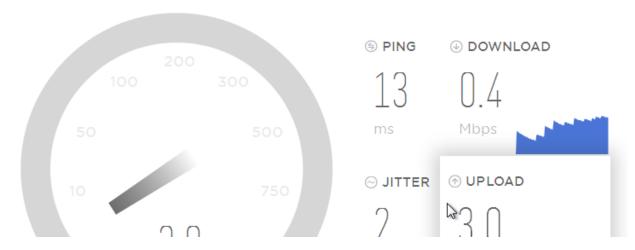
```
A PREROUTING -i ethi -p tcp -m tcp --dport 80 -j DNAT --to-destination 192.168.10.1:3127
```

Ganti tulisan ipaddresslanrouter dengan ip seperti di atas, misal di atas 192.168.10.1

```
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
1241 Pindah ke X-code Pandawa Server
[25] Reboot
LZUI Exit
_____
                                   -----
Masukkan Nomor Pilihan Anda [1 - 26]
                                25
```

Pilih nomor 25 untuk reboot

# 



Setelah reboot, bandwidth download tetap dibatasi

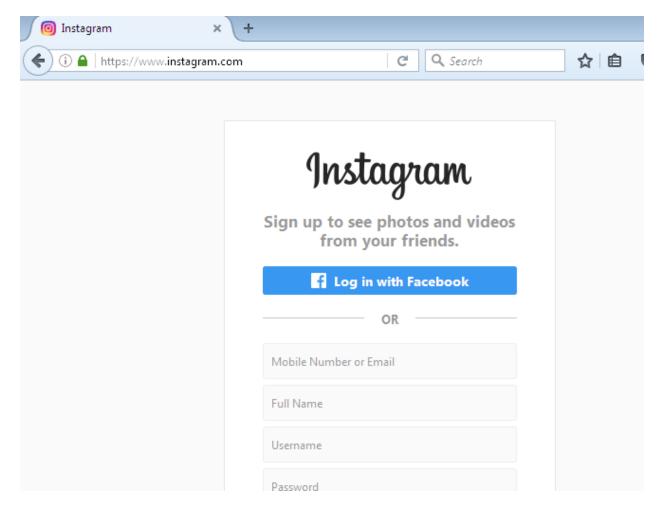


```
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Libat usen uang mondanatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
_____
                                   ______
                                19_
Masukkan Nomor Pilihan Anda [1 - 26] :
```

Untuk melihat situs yang dibuka client maka pilih nomor 19 lalu enter

```
39 192.168.10.10 TCP_MISS/200 484 GET http://p03.notifa.info/3fsmd3/request? - 0526971002.318
1843 192.168.10.10 TAG_NONE_ABORTED/000 0 POST http://ocsp.comodoca.com/ - HIER_NOS 206971004.723
2077 192.168.10.10 TAG_NONE_ABORTED/000 0 POST http://ocsp.comodoca.com/ - HIER_NOS 206971004.723
31 192.168.10.10 TAG_NONE_ABORTED/000 0 POST http://ocsp.comodoca.com/ - HIER_NOS 206971004.723
526971027.128
518 192.168.10.10 TCP_MISS/200 985 POST http://ocsp.digicert.com/ - ORIGINAL_DST/S18 192.168.10.10 TCP_MISS/200 919 POST http://ocsp.digicert.com/ - ORIGINAL_DST/S18 192.168.10.10 TCP_MISS/200 837 POST http://ocsp.pki.goog/GTSGIAG3 - ORIGINAL_S18 192.168.10.10 TCP_MISS/200 837 POST http://ocsp.pki.goog/GTSGIAG3 - ORIGINAL_S18 192.168.10.10 TCP_MISS/200 2603 GET http://xcode.or.id/ - ORIGINAL_DST/104.28 192.168.10.10 TCP_MISS/200 6833 GET http://xcode.or.id/snowstorm.js - ORIGINAL_S18 192.168.10.10 TCP_MISS/200 11115 GET http://xcode.or.id/snowstorm
```

Situs xcode.or.id yang dibuka client tersimpan di log.



Client membuka situs Instagram

```
1526971684.328 4313 192.168.10.10 TCP_MISS/206 300601 GFT http://downfoad.cdm.mozilla.net/pub/
1526971679.710 10551 192.168.10.10 TCP_MISS/301 304 GET http://instagram.com/ - GRIGINAL_DST/54
1526971680.489 58 192.168.10.10 TCP_MISS/200 319 POST http://ocsp.digicert.com/ - ORIGINAL_D
1526971688.474 972 192.168.10.10 TCP_MISS/200 919 POST http://ocsp.digicert.com/ - ORIGINAL_D
```

Situs Instagram yang dibuka client tersimpan di log.



Client membuka mail.be

```
1526971695.633 58 192.168.10.10 TCP_MISS/200 919 POST http://ocsp.digicert.com/ - ORIGINAL_
1526971709.226 4328 192.168.10.10 TCP_MISS/206 300601 GET http://download.cdn.mozilla.net/pub
1526971874.046 4276 192.168.10.10 TCP_MISS/206 300601 GET http://download.cdn.mozilla.net/pub
1526971815.262 1072 192.168.10.10 TCP_MISS/206 300601 GET http://download.cdn.mozilla.net/pub
1526971815.262 1072 192.168.10.10 TCP_MISS/206 300601 GET http://download.cdn.mozilla.net/pub
```

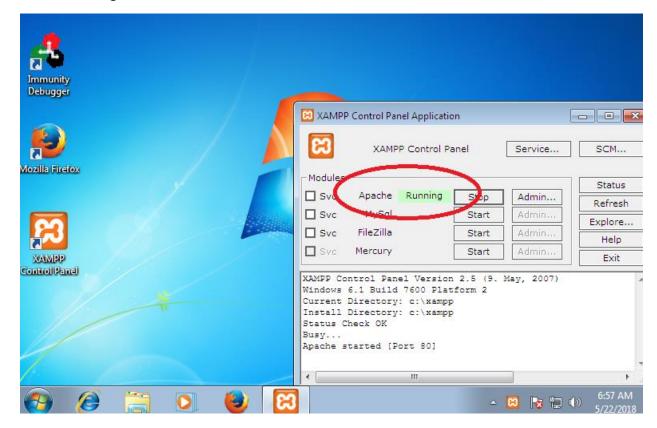
Client terdeteksi membuka situs mail.be

[16] Setting Password VPN Server
[17] Setting ms-dns pada UPN Server
=======================================
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
1211 Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomat
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] [ 20_

Untuk melihat ukuran cache dari squid pilih nomor 20.

[16] Setting Password VPN Server [17] Setting ms-dns pada VPN Server ==================================
Log dan lainnya [18] Lihat user yang mendapatkan akses dari DHCP Server [19] Lihat log website yang dibuka client [20] Lihat ukuran cache squid
[21] Edit squid.conf [22] Ganti rc.local untuk NAT otomatis jika direstart [23] Edit rc.local untuk jalankan squid, htb, port forward otom [24] Pindah ke X-code Pandawa Server [25] Reboot [26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] : 20  16928 /var/spool/squid lekan cutor antah metanjutkan

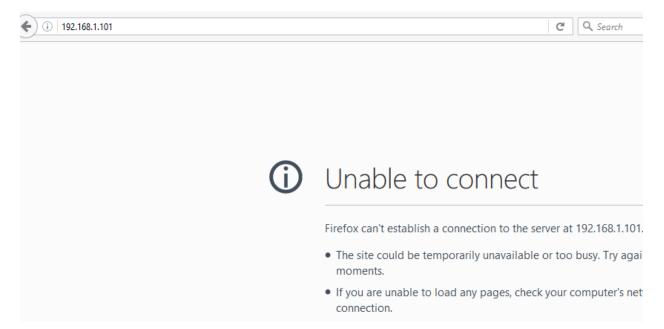
## Port forwarding:



Komputer client dihidupkan apache server-nya

root@ubuntudata:/xcodepandawa2# service apache2 stop root@ubuntudata:/xcodepandawa2# \_

service apache2 stop



Diakses dari luar



Pilih port forwarding nomor 11 lalu enter

```
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] : 11
lasukkan ip WAN: 192.168.1.101
lasukkan ip LAN: 192.168.10.10
lasukkan port: 80
sudol password for data:
et.ipv4.ip_forward = 1
ort forwading telah dilakukan
ika ingin tetap jalan setelah restart pastikan edit pada rc.local lalu aktifkan untuk port forwardi
ig dengan menghilangkan tanda # lalu ganti ip address WAN, Port yang mau diarahkan dan IP address ko
puter LAN yang akan dituju.
Sebelum edit rc.local, tambahkan dulu NAT, HTB, dll ke rc.local yang ada pada menu
```

Masukkan ip WAN dan IP komputer LAN yang dituju serta port yang diforward





English / Deutsch / Francais / Nederlands / Polski / Italiano / Norwegian / Español / 中文 / Português (Brasil) / 日本語

Hasilnya saat diakses dari luar

```
[13] Pasang Squid + Log + Cache (transparent)
[14] Install VPN Server PPTP
[15] Setting ip client VPN Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
          Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
Ganti rc.local untuk NAT otomatis jika direstart
[[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] 🥻 23
```

Pilih 23

```
sudo sysctl -w net.ipv4.ip_forward=1
/sbin/iptables -P FORWARD ACCEPT
/sbin/iptables --table nat -A POSTROUTING -o eth0 -j MASQUERADE

#Hilangkan tanda pagar pada perintah di bawah ini untuk mengaktifkan bandwidth managemen secara of
/etc/init.d/rc.htb start_eth1

#Hilangkan tanda pagar pada perintah iptables di bawah ini untuk mengaktifkan port forwarding seca sysctl -w net.ipv4.ip_forward=1
iptables -t nat -A PREROUTING -j DNAT -d 192.168.1.101 -p tcp --dport 80 --to 192.168.10.10

#Hilangkan tanda pagar pada perintah iptables di bawah ini untuk mengaktifkan Squid secara otomati iptables -t nat -A PREROUTING -i eth1 -p tcp -m tcp --dport 80 -j DNAT --to-destination 192.168.10
exit 0
```

Hilangkan pagar pada iptables untuk port forwarding lalu isi ip address wan, port yang dituju, serta ip address lan yang dituju

Jika sudah selesai maka tekan ctrl+x

#### **Install VPN Server**

[11] Port Forwarding
[12] Pasang Squid + Log (transparent)
[13] Pasang Squid Log - Cache (transparent)
[14] Install VPN Server PPTP
Its Setting in alient UPM Server
[16] Setting Password VPN Server
[17] Setting ms-dns pada VPN Server
Log dan lainnya
[18] Lihat user yang mendapatkan akses dari DHCP Server
[19] Lihat log website yang dibuka client
[20] Lihat ukuran cache squid
[21] Edit squid.conf
[22] Ganti rc.local untuk NAT otomatis jika direstart
[23] Edit rc.local untuk jalankan squid, htb, port forward otomatis
[24] Pindah ke X-code Pandawa Server
[25] Reboot
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26] (14)

Untuk install VPN pilih nomor 14

```
[26] Exit
Masukkan Nomor Pilihan Anda [1 - 26]: 14
Apakah anda yakin install VPN Server PPTP ? y/n (y
ls: cannot access '/etc/pptpd.conf': No such file or directory
Install PPTP Server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
 bcrelay ppp
The following NEW packages will be installed:
 bcrelay ppp pptpd
upgraded, 3 newly installed, 0 to remove and 100 not upgraded.
Need to get 430 kB of archives.
After this operation, 1,254 kB of additional disk space will be used.
Do you want to continue? [Y/n](y)
0% [Connecting to us.archive.ubuntu.com]
```

Pilih y lalu enter

```
# 4. If you give a single localIP, that's ok - all local IPs will
be set to the given one. You MUST still give at least one remote
IP for each simultaneous client.

# (Recommended)
localip 192.168.10.1
remote ip 192.168.10.234-238,192.168.10.245
# or
#localip 192.168.0.234-238,192.168.0.245
#remote ip 192.168.1.234-238,192.168.1.245
```

Di paling bawah, hapus tanda pagar # di atas, lalu ganti ipnya, localip diganti ip gateway, lalu remoteip adalah ip yang akan didapatkan client VPN.

Setelah selesai tekan ctrl+x lalu simpan

```
# Secrets for authentication using CHAP
# client server secret IP addresses
user1 pptpd baseball *
```

Di atas user1 adalah username dan password adalah baseball, untuk password wajib diganti karena itu password default untuk di X-code pandawa.

Jika sudah tekan ctrl+x lalu simpan

```
# Network and Routing

# If pppd is acting as a server for Microsoft Wi
# option allows pppd to supply one or two DNS (D
# addresses to the clients. The first instance
# specifies the primary DNS address; the second
# specifies the secondary DNS address.
# Attention! This information may not be taken i
# crent. Sec KB311218 in Microsoft's knowledge
ms-dns 8.8.8.8
ms-dns 8.8.4.4

# if pppd is acting as a server for Microsoft Wi
# clients, this option allows pppd to supply one
```

Hapus tanda # di atas lalu ganti dns server server-nya seperti di atas. Setelah tekan ctrl+x lalu simpan

#### Control Panel Home

Change adapter settings Change advanced sharing settings

# View your basic network information and set up connections

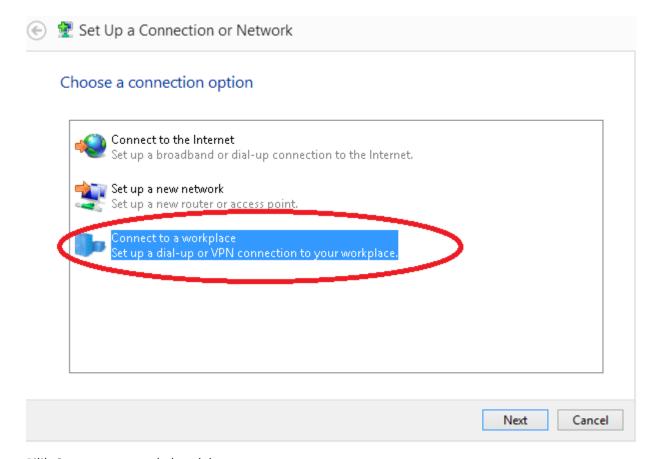
View your active networks Network 4 Access type: Internet Public network Connections: 4 Ethernet Access type: No network acc Connections: A Npcap Loopbac Unidentified network VMware Netwo Public network VMnet1 VMware Netwo VMnet8 Change vo Set up a new connection or network nadhand dial-up or VOM connection; or set up a router or access poi



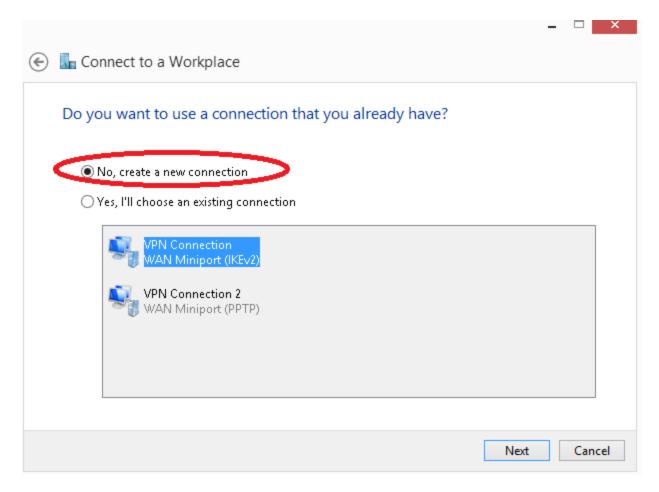
## Troubleshoot problems

Diagnose and repair network problems, or get troubleshooting information.

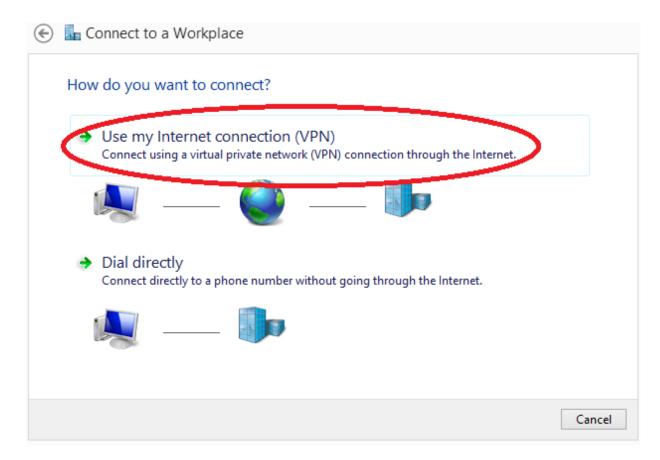
Pilih Set up a new connection or network



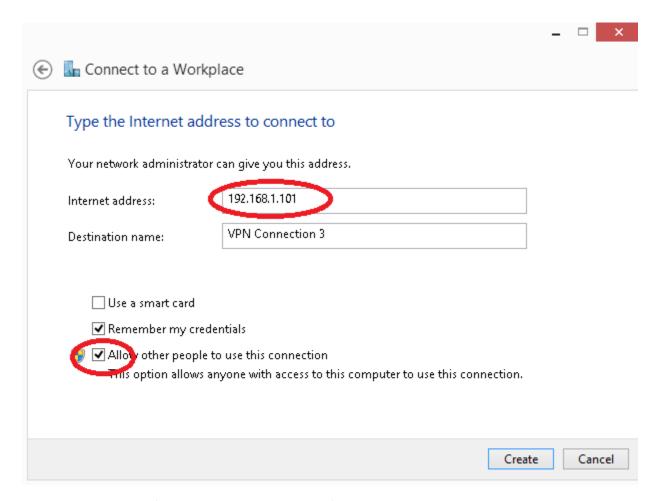
Pilih Connect to a workplace lalu next



Pilih No, create a new connection

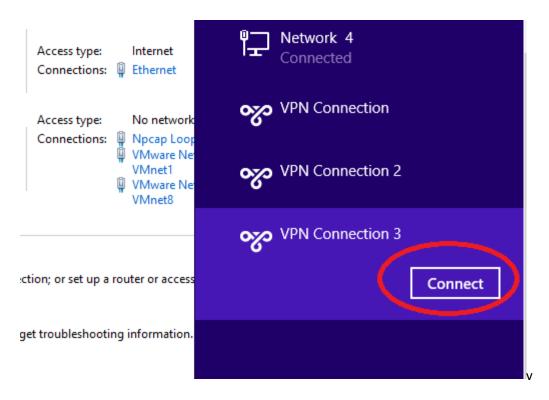


Pilih Use my Internet connection (VPN)



Isi ip internet address (jika disini misal ip wan router), lalu centang untuk Allow other people to use this connection

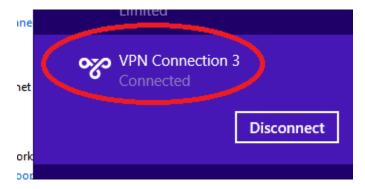
Setelah itu klik Create



Klik Connect pada VPN di atas



Isi username dan password



Terkoneksi

```
C:\Users\data>ping 192.168.10.10

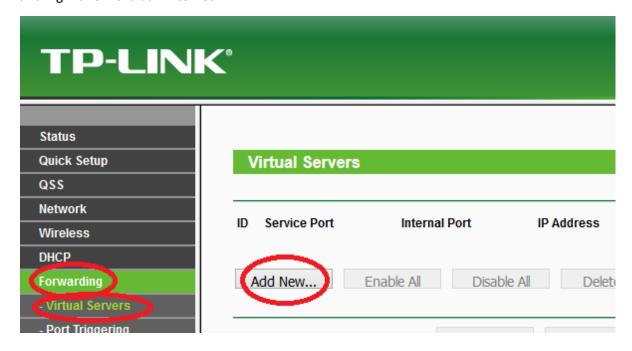
Pinging 192.168.10.10 with 32 bytes of data:
Reply from 192.168.10.10: bytes=32 time=537ms TTL=127
Reply from 192.168.10.10: bytes=32 time=1ms TTL=127

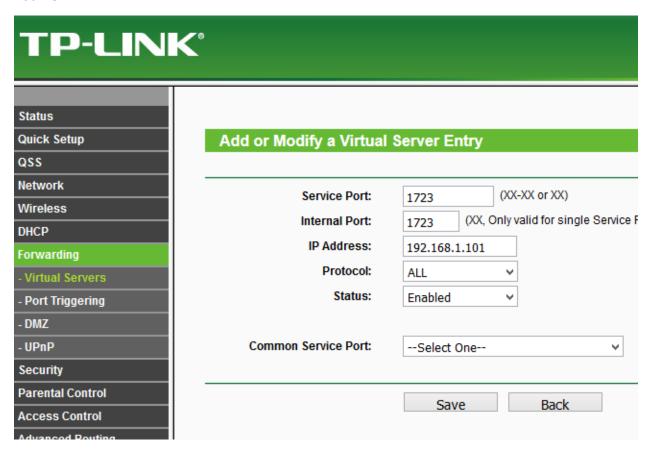
Ping statistics for 192.168.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 537ms, Average = 135ms

C:\Users\data>_
```

Saat ping 192.168.10.10 berjalan normal

Jika ingin diforward dari internet:

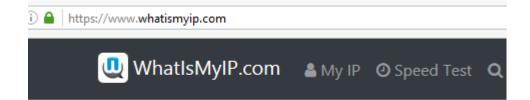




Misal set seperti di atas, lalu save

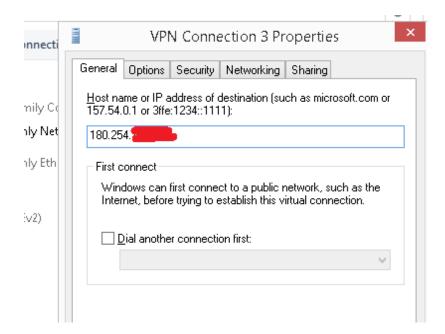


Hasilnya



# Your Public IPv4 is: 180.254.

## Ip public



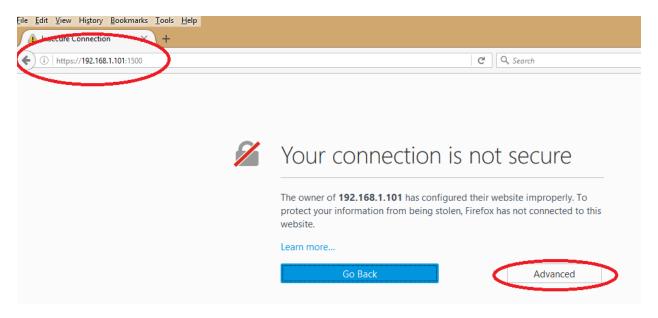
Setting di VPN Client

#### Mengakses X-code Pandawa melalui web:

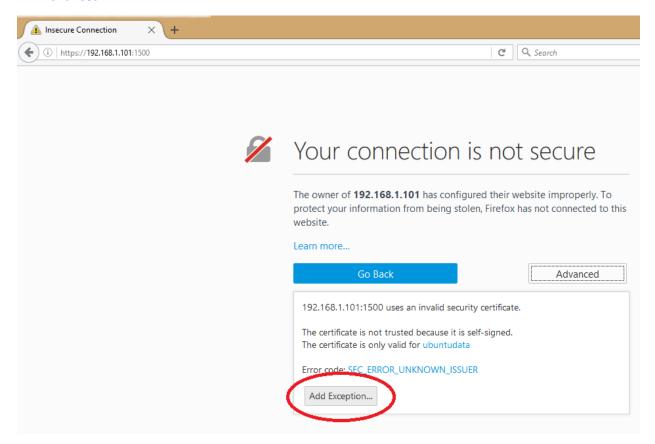
```
Masukkan Nomor Pilihan Anda [1 - 26] : 26
-code Pandawa
leh Kurniawan - trainingxcode@gmail.com. xcode.or.id
embali ke menu? [y/n]: n
ata@ubuntudata:~$_ifconfig
th0
         Link encap:Ethernet HWaddr 08:00:27:0e:2a:93
         inet addr:192.168.1.101 Bcast:192.168.1.255 Mask:255.255.255.0
         inet6 addr: fe80::a00:27ff:fe0e:2a93/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
         RX packets:95 errors:0 dropped:0 overruns:0 frame:0
         TX packets:79 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1000
         RX bytes:18149 (18.1 KB) TX bytes:7756 (7.7 KB)
th1
         Link encap:Ethernet HWaddr 08:00:27:97:ba:c9
         inet addr:192.168.10.1 Bcast:192.168.10.255 Mask:255.255.255.0
         inet6 addr: fe80::a00:27ff:fe97:bac9/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
         RX packets:0 errors:0 dropped:0 overruns:0 frame:0
         TX packets:51 errors:0 dropped:0 overruns:0 carrier:0
```

Jika ingin mengakses melalui web, maka pilih nomor 26 lalu ketik ifconfig

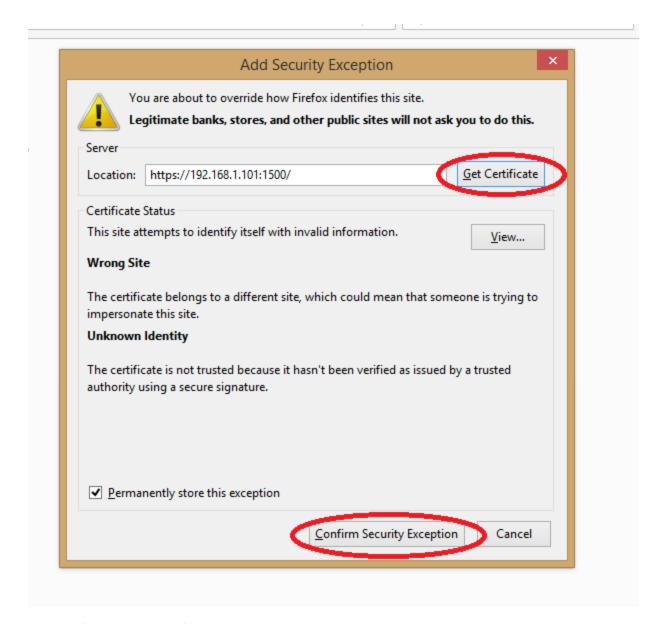
Di atas tampil ip pada eth0 adalah 192.168.1.101



#### Klik Advanced



Pilih Add Exception..



## Get Certificat lalu klik Confirm Security Execption



assword:

## Router & Server pendukung router

- [1] Install X-code Pandawa Router
- [2] Setting IP Address untuk eth0 dan eth1
- [3] Install NAT, DHCP Server & Bandwidth monitoring
- [4] Install HTB untuk bandwidth managemen
- [5] Install Squid untuk log dan cache pada client
- [6] Setting DHCP Server
- [7] Setting HTB Bandwidth managemen
- [8] Matikan HTB Bandwidth managemen
- [9] Hidupkan HTB Bandwidth managemen
- [10] Jalankan monitoring Bandwidth
- [11] Port Forwarding
- [12] Pasang Squid + Log (transparent)
- [13] Pasang Squid + Log + Cache (transparent)
- [14] Install VPN Server PPTP
- [15] Setting ip client VPN Server
- [16] Setting Password VPN Server
- [17] Setting ms-dns pada VPN Server

## Log dan lainnya

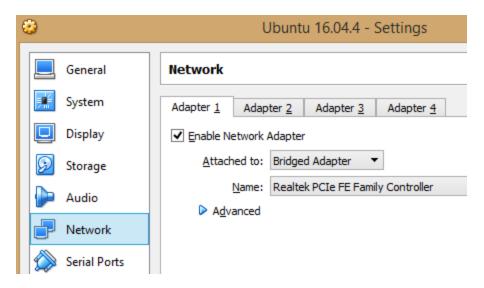
- [18] Lihat user yang mendapatkan akses dari DHCP Server
- [19] Lihat log website yang dibuka client
- [20] Lihat ukuran cache squid
- [21] Edit squid.conf
- [22] Ganti rc.local untuk NAT otomatis jika direstart
- [23] Edit rc.local untuk jalankan squid, htb, port forward otomati
- [24] Pindah ke X-code Pandawa Server
- [25] Reboot
- [26] Exit

-----

Masukkan Nomor Pilihan Anda [1 - 26] :

#### Installasi untuk server

Interface ke internet



#### Install xcode pandawa:

```
root@ubuntudata:/home/data# git clone https://github.com/kurniawandata/xcodepandawa2____
Cloning into 'xcodepandawa2'...
remote: Counting objects: 70, done.
remote: Compressing objects: 100% (67/67), done.
remote: Total 70 (delta 20), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (70/70), done.
Checking connectivity... done.
root@ubuntudata:/home/data_cd_xcodepandawa2/
root@ubuntudata:/home/data/xcodepandawaz# 1s -1
total 836
-rw-r--r-- 1 root root
                          2063 May 23 00:34 README.md
-rw-r--r-- 1 root root 851368 May 23 00:34_)
root@ubuntudata:/home/data/xcodepandawa_# dpkg -i xcodepandawa23.deb
Selecting previously unselected package xcodepandawa23.2.
(Reading database ... 63825 files and directories currently installed.)
Preparing to unpack xcodepandawa23.deb ...
Unpacking xcodepandawa23r2 (1-2) ...
Setting up xcodepandawa23r2 (1-2) ...
root@ubuntudata:/home/data/xcodepandawa2# cd /xcodepandawa2
root@ubuntudata:/xcodepandawa2# ls
         xcoderouter xcodeserver
root@ubuntudata:/xcodepandawa # ./xcodeserver
```

git clone https://github.com/kurniawandata/xcodepandawa2

```
X-code Pandawa Server for Ubuntu 16.04
Progammer : Kurniawan. xcode.or.id
Version 2.3 - 12/05/2018
--------
Installasi server & konfigurasi
[1] Install X-code Pandawa Server
[2] Setting IP Address untuk eth0
[3] Install Apache2, Mysql-server, phpmyadmin
[4] Install Virtualhost
[5] Setting Virtualhost
[6] Edit Konfigurasi pada php.ini
[7] Edit Konfigurasi pada apache2.conf
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
_____
Masukkan Nomor Pilihan Anda antara [1 - 22] :
```

Tampilan X-code Pandawa Server

```
______
X-code Pandawa Server for Ubuntu 16.04
Progammer : Kurniawan. xcode.or.id
Version 2.3 - 12/05/2018
arrası server a Kontiyurası
[1] Install X-code Pandawa Server
[2] Setting ir maaress untuk eth0
[3] Install Apache2, Mysql-server, phpmyadmin
[4] Install Virtualhost
[5] Setting Virtualhost
[6] Edit Konfigurasi pada php.ini
[7] Edit Konfigurasi pada apache2.conf
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[221 Exit.
Masukkan Nomor Pilihan Anda antara [1 - 22] : 1
```

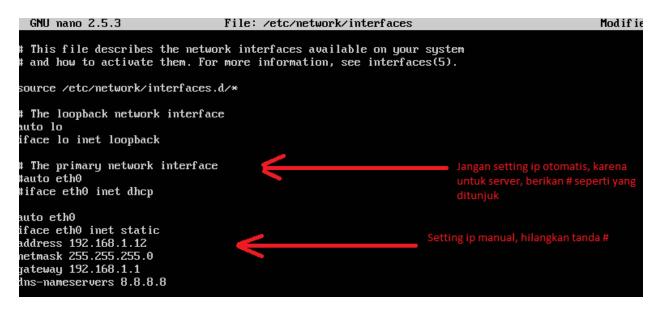
Install X-code Pandawa Server, pilih nomor 1

```
masukkan domain baru pada имь server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
 [17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
 Masukkan Nomor Pilihan Anda antara [1 - 22] : 1
Enter new UNIX password:

    Isi password untuk user root

Retype new UNIX password:
passwd: password updated successfully
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
 shellinabox
 upgraded, 1 newly installed, 0 to remove and 100 not upgraded.
Need to get 127 kB of archives.
After this operation, 524 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu xenial/universe i386 shellinabox i386 2.19 [127 kB]
Fetched 127 kB in 6s (18.7 kB/s)
```

Isi password user root, sebagai alternatif selain user anda sendiri



Set ip manual karena untuk server, sesuaikan ip manual sesuai kebutuhan

Setelah selesai, ctrl+x, simpan, lalu reboot

```
Ubuntu 16.04.4 LTS ubuntudata tty1
ubuntudata login: data
Password: _
```

Login

```
X-code Pandawa Server for Ubuntu 16.04
Progammer : Kurniawan. xcode.or.id
Version 2.3 - 12/05/2018
Installasi server & konfigurasi
[1] Install X-code Pandawa Server
[2] Setting IT Address untuk ethô
[3] Install Apache2, Mysql-server, phpmyadmin
[4] Instair
[5] Setting Virtualhost
[6] Edit Konfigurasi pada php.ini
[7] Edit Konfigurasi pada apache2.conf
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
_____
                                               ---------
Masukkan Nomor Pilihan Anda antara [1 - 22] : 3
```

Install Apache2, Mysql-server dan phpmyadmin, pilih nomor 3 lalu enter

```
Masukkan Nomor Pilihan Anda antara [1 - 22] : 3
Apakah anda mau yakin mau install apache2, mysql-server & phpmyadmin ? y∕n :y
[sudo] password for data:
baSorry, try again.
sudol password for data:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
 apache2-bin apache2-data
Suggested packages:
 www-browser apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following packages will be upgraded:
 apache2 apache2-bin apache2-data
 upgraded, 0 newly installed, 0 to remove and 97 not upgraded.
Need to get 1,237 kB of archives.
After this operation, 6,144 B of additional disk space will be used.
Do you want to continue? [Y/n] y
0% [Connecting to us.archive.ubuntu.com]
```

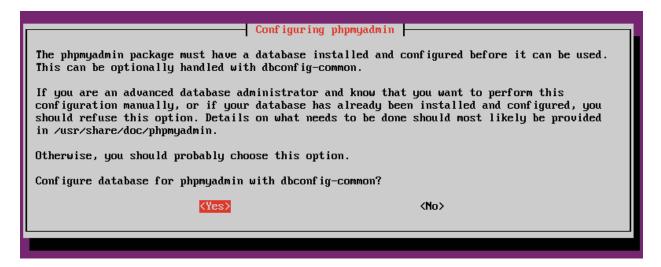
Installasi apache2, mysql-server & phpmyadmin

```
Suggested packages:
 libgd-tools libmcrypt-dev mcrypt php-libsodium php-gmp php-imagick www-browser
The following NEW packages will be installed:
 dbconfig-common dbconfig-mysql fontconfig-config fonts-dejavu-core javascript-common
  libfontconfig1 libgd3 libjbig0 libjpeg-turbo8 libjpeg8 libjs-jquery libjs-sphinxdoc
 libjs-underscore libmcrypt4 libtiff5 libvpx3 libxpm4 libxslt1.1 php-gd php-gettext php-
 php-mcrupt php-pear php-phpseclib php-tcpdf php-xml php7.0-gd php7.0-mbstring php7.0-mc
 php7.0-xml phpmyadmin
The following packages will be upgraded:
  libapache2-mod-php7.0 php7.0-cli php7.0-common php7.0-json php7.0-mysql php7.0-opcache
 php7.0-readline
7 upgraded, 31 newly installed, 0 to remove and 89 not upgraded.
Need to get 20.1 MB of archives.
After this operation, 61.5 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
0% [Connecting to us.archive.ubuntu.com]
```

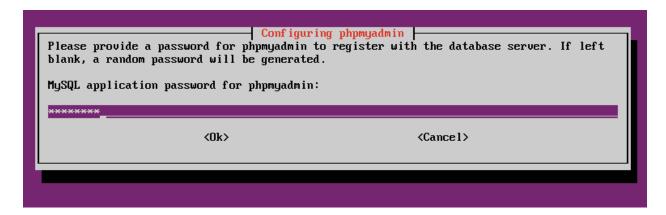
Tekan y

Configuring phpmyadmin Please choose the web server that should be automatically configured to run phpMyAdmin.
Web server to reconfigure automatically:
[ <mark>*</mark> ] apache2 [ ] lighttpd
<0k>

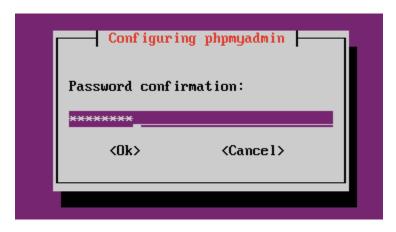
Pilih apache2



Pilih Yes lalu enter



Isi password MySQL untuk phpmyadmin

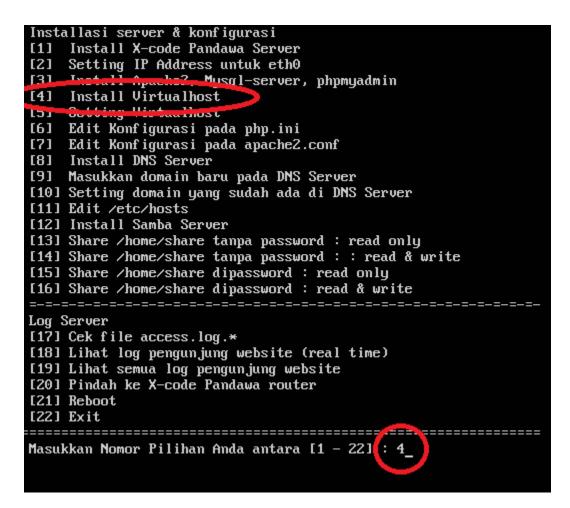


```
Determining localhost credentials from /etc/mysql/debian.cnf: succeeded.
dbconfig-common: writing config to /etc/dbconfig-common/phpmyadmin.conf
Creating config file /etc/dbconfig-common/phpmyadmin.conf with new version
Creating config file /etc/phpmyadmin/config-db.php with new version
granting access to database phymyadmin for phymyadmin@localhost: success.
verifying access for phpmyadmin@localhost: success.
creating database phpmyadmin: success.
verifying database phpmyadmin exists: success.
populating database via sql... done.
dbconfig-common: flushing administrative password
apache2_invoke: Enable configuration phpmyadmin
Processing triggers for libc-bin (2.23-Oubuntu10) ...
Processing triggers for libapache2-mod-php7.0 (7.0.30-Oubuntu0.16.04.1) ...
PHPMyadmin sudah diinstall
X-code Pandawa Server
Dleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
Kembali ke menu? [y∕n]: y
```

Pilih y lalu enter



Berikutnya adalah instalasi untuk sub domain, sebagai contoh menggunakan ip-dynamic.com, di sini diasumsikan telah membuat sub domain.



Install Virtual Server, pilih nomor 4.

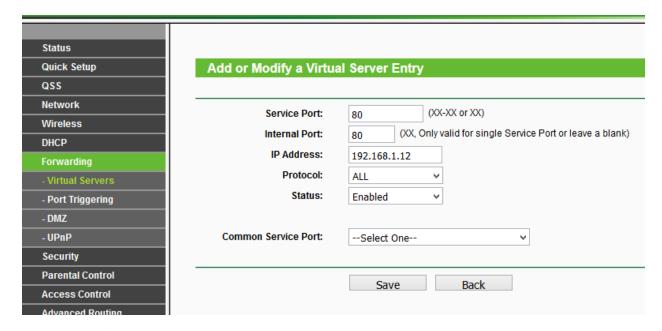
```
Install X-code Pandawa Server
[2] Setting IP Address untuk eth0
[3] Install Apache2, Mysql-server, phpmyadmin
[4] Install Virtualhost
[5] Setting Virtualhost
[6] Edit Konfigurasi pada php.ini
[7] Edit Konfigurasi pada apache2.conf
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
Masukkan Nomor Pilihan Anda antara [1 - 22] : 4
asukkan alamat domain / subdomain : ser _____ip-dynamic.com
```

Isi domain / sub domain yang ingin digunakan

```
ErrorLog ${APACHE_LOG_DIR}/error.log
       CustomLog ${APACHE_LOG_DIR}/access.log combined
       # For most configuration files from conf-available/, which
       # enabled or disabled at a global level, it is possible to
       # include a line for only one particular virtual host. For
       # following line enables the CGI configuration for this h
       # after it has been globally disabled with "a2disconf".
       #Include conf-available/serve-cgi-bin.conf
</VirtualHost>
(VirtualHost *:80>
   ServerAdmin admin@ser
                              .ip-dynamic.com
                        .ip-dynamic.com
   ServerName ser
   ServerAlias www.ser
                              ip-dynamic.com
   DocumentRoot /home/ser
                                ip-dynamic/public html
   ErrorLog ${APACHE_LOG_DIR}/error.log
   CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
 vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

Edit seperti di atas

Tekan ctrl+x lalu enter



Lakukan port forwarding pada router



## Selamat datang di web x-code pandawa

Hasilnya saat mengakses sub domain-nya

```
root@ubuntudata:/home# ls

data serverteh.ip-dynamic.com

root@ubuntudata:/home# cd ser______.ip-dynamic.com/

root@ubuntudata:/home/ser______.ip-dynamic.com# ls

public_html

root@ubuntudata:/home/ser______.ip-dynamic.com# cd public_html/

root@ubuntudata:/home/ser______.ip-dynamic.com/public_html# ls -l

total 4

-rwxr-xr-x 1 root root 37 May 23 01:22 index.html

root@ubuntudata:/home/ser_____.ip-dynamic.com/public_html# _
```

Letak document root pada sub-domain tersebut

```
Installasi server & konfigurasi
[1] Install X-code Pandawa Server
[2] Setting IP Address untuk eth0[3] Install Apache2, Mysql-server, phpmyadmin
[4] Install Virtualhost
[5] Setting Virtualhost
[6] Edit Konfigurasi pada php.ini
[8] Install DNS Server
Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
_____
Masukkan Nomor Pilihan Anda antara [1 - 22] 🥻 8 🕽
```

Install DNS Server, pilih nomor 8

```
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
______
Masukkan Nomor Pilihan Anda antara [1 - 22] : 8
Reading package lists... Done
Building dependency tree
Reading state information... Done
bind9 is already the newest version (1:9.10.3.dfsg.P4-8ubuntu:
 upgraded, 0 newly installed, 0 to remove and 89 not upgraded
K-code Pandawa Server
Dleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
Kembali ke menu? [y/n]:
```

Pilih y lalu enter

```
Installasi server & konfigurasi
[1] Install X-code Pandawa Server
[2] Setting IP Address untuk eth0
[3] Install Apache2, Mysql-server, phpmyadmin
[4] Install Virtualhost
[5] Setting Virtualhost
[6] Edit Konfigurasi pada php.ini
[7] Edit Konfigurasi pada apache2.conf
[8] Install [8]
[9] Masukkan domain baru pada DNS Server
    Catting domain mang sudah ada di PMS perver
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword: read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
_____
Masukkan Nomor Pilihan Anda antara [1 - 22]
```

Masukkan domain baru pada DNS Server, pilih nomor 9

Misal xcodejogja.com

```
GNU nano 2.5.3
                               File: /etc/bind/db.xcodejogja.com
 BIND data file for local loopback interface
       604800
TTL
       ΙN
               SOA xcode jog ja.com. root.xcode jog ja.com.
                         604800
                                         ; Refresh
                          86400
                                          Retry
                        2419200
                                         ; Expire
                         604800 )
                                         : Negative Cache TTL
       ΙN
               NS
                        xcode jog ja .com .
       ΙN
               Ĥ
                        192.168.1.12
       ΙN
               AAAA
```

Setting seperti di atas

Jika sudah selesai tekan ctrl+x lalu enter

```
GNU nano 2.5.3

File: /etc/bind/named.conf

// This is the primary configuration file for the BIND DNS server

// Please read /usr/share/doc/bind9/README.Debian.gz for informati

// structure of BIND configuration files in Debian, *BEFORE* you c

// this configuration file.

//

// If you are just adding zones, please do that in /etc/bind/named

include "/etc/bind/named.conf.options";

include "/etc/bind/named.conf.local";

include "/etc/bind/named.conf.default-zones";

zone "xcodejogja.com"

type master;

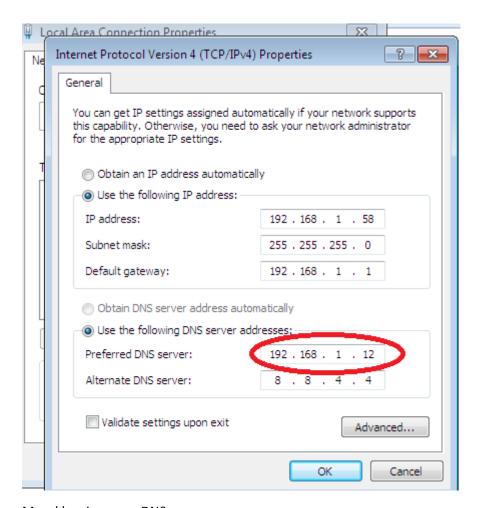
file "/etc bind/db.xcodejogja.com";

allow-transfer { 192.168.1.12; };

};
```

Setting seperti di atas

Jika sudah selesai tekan ctrl+x lalu enter



Masukkan ip server DNS

```
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\windows7\ping xcodejogja.com

Pinging xcodejogja.com [192.168.1.12] with 32 bytes of data:
Reply from 192.168.1.12: bytes=32 time<1ms TTL=64

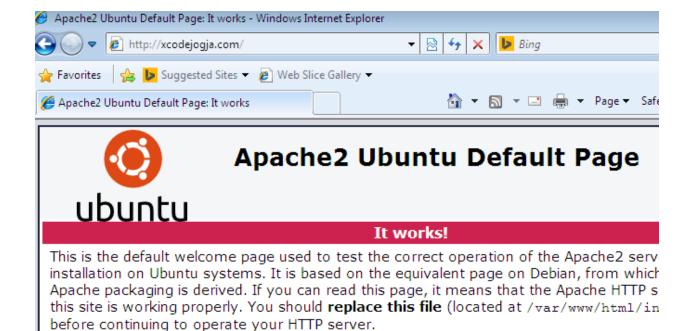
Ping statistics for 192.168.1.12:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\windows7>__
```

Pengujian ping xcodejogja.com



Hasilnya saat mengakses xcodejogja.com

```
root@ubuntudata:/xcodepandawa2# ls

root@ubuntudata:/xcodepandawa2# cd /var/www/html

root@ubuntudata:/xcodepandawa2# cd /var/www/html

root@ubuntudata:/var/www/html# ls -l

total 12

-rw-r--r-- 1 root root 11321 May 9 00:33 index.html

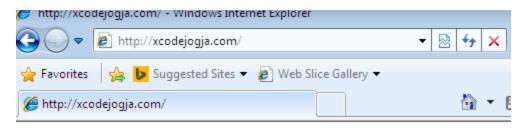
root@ubuntudata:/var/www/html# rm index.html

root@ubuntudata:/var/www/html# echo "Web xcodejogja.com dibuka" >> index.html

root@ubuntudata:/var/www/html# _
```

ra a narmal waar of this wab sita and don't know what this nasa is about "this ar-

Mengganti file index.html



Web xcodejogja.com dibuka

#### Instalasi Samba Server

```
This folder is empty.

Places

This folder is empty.
```

#### \\192.168.1.12

```
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hoete
[12] Install Samba Server
[13] Share chome/share tampa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
_____
Masukkan Nomor Pilihan Anda antara [1 - 22]
amba sudah diinstall
-code Pandawa Server
lleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
lembali ke menu? [y∕n]:
```

Install Samba Server

```
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Charlestoner Shart tampa passworu . read .
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
-----
                                           _____
Masukkan Nomor Pilihan Anda antara [1 - 22] 🥻 14
```

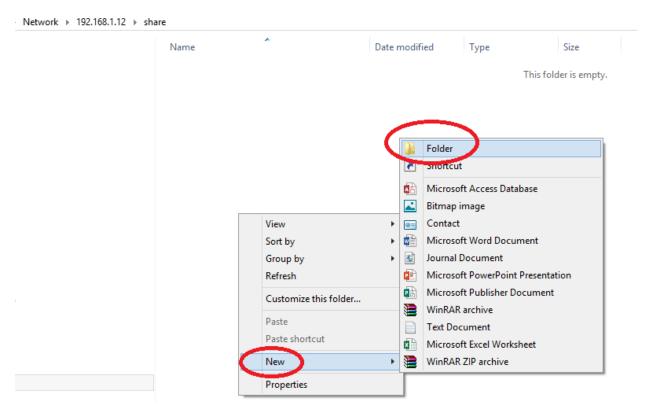
Share tanpa password tapi bisa read & write, pilih nomor 14

```
| I18| Lihat log pengunjung website (real time)
| I19| Lihat semua log pengunjung website |
| I20| Pindah ke X-code Pandawa router |
| I21| Reboot |
| I22| Exit |
| I22| Exit |
| I23| Exit |
| I24| Exit |
| I26| Exit |
| I27| Exit |
| I28| Exit |
| I39| Exit |
| I40| Exit |
| I40|
```

Pilih y lalu enter



## \\192.168.1.12



### Membuat folder



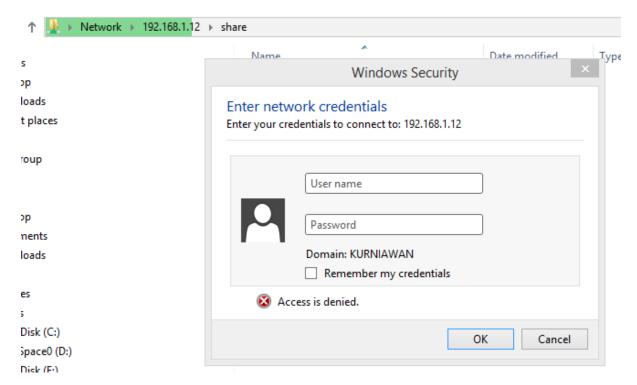
Share folder

```
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : read & write
[15] Share /home/share dipassword : read & write
[16] Share /home/share dipassword : read & write
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
[21] Reboot
[22] Exit
[22] Exit
[23] Exit
```

Share dengan password dengan bisa read & write, pilih nomor 16

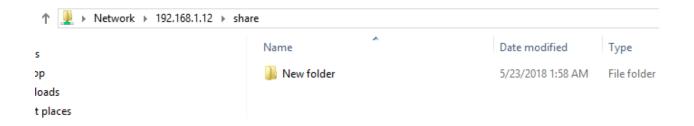
```
HDI Share Zhumezshare aipasswura 🕡 reaa uniy
 [16] Share /home/share dipassword : read & write
 Log Server
[17] Cek file access.log.*
[18] Lihat log pengunjung website (real time)
[19] Lihat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
 [21] Reboot
[22] Exit
Masukkan Nomor Pilihan Anda antara [1 - 22] : 16
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
mkdir: cannot create directory '/home/share': File exists
New SMB password:
Retype new SMB password:
Added user xcode.
X-code Pandawa Server
Oleh Kurniawan - trainingxcode@gmail.com. xcode.or.id
Kembali ke menu? [y∕n]:
```

Hasilnya seperti di atas

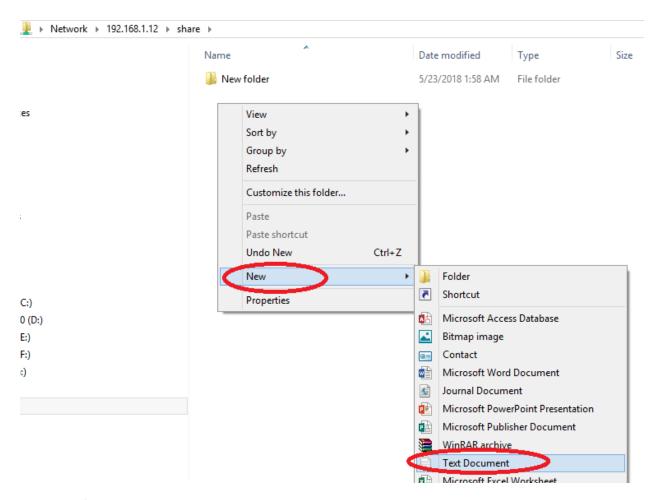


Diminta password

Username: xcode, lalu masukkan password



Masuk di folder yang di share



Membuat file

Melihat file access.log.\*

```
1191 Linat semua log pengunjung website
[20] Pindah ke X-code Pandawa router
 [21] Reboot
[22] Exit
 Masukkan Nomor Pilihan Anda antara [1 - 22] : 18
180.254.89.182 - - [23/May/2018:01:19:29 +0700] "GET / HTTP/1.1" 404 504 "-" "Mozilla/5.0 (Wind
T 6.3; ru:45.0) Gecko/20100101 Firefox/45.0"
95.213.177.126 - - [23/May/2018:01:23:05 +0700] "POST http://check.proxyradar.com/azenv.php?aut
701338513&a=PSCMN&i=3036567990&p=80 HTTP/1.1" 404 473 "https://proxyradar.com/" "Mozilla/4.0 (c
ible; MSIE 8.0; Windows NT 5.1; Trident/4.0)"
180.254.89.182 - - [23/May/2018:01:23:53 +0700] "GET / HTTP/1.1" 200 320 "-" "Mozilla/5.0 (Wind
T 6.3; rv:45.0) Gecko/20100101 Firefox/45.0"
189.163.123.119 - - [23/May/2018:01:29:45 +0700] "GET / HTTP/1.1" 200 11576 "-" "Mozilla/5.0 (k
s NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/52.0.2743.116 Safari/537.36"
192.168.1.58 - - [23/May/2018:01:41:44 +0700] "GET / HTTP/1.1" 200 3525 "-" "Mozilla/4.0 (compa
; MSIE 8.0; Windows NT 6.1; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CL
.30729; Media Center PC 6.0)"
192.168.1.58 - - [23/May/2018:01:41:44 +0700] "GET /icons/ubuntu-logo.png HTTP/1.1" 200 3623 "}
/xcode.jog.ja.com/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; Trident/4.0; SLCC2; .NET
.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0)"
compatible; MSIE 8.0; Windows NT 6.1; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.3072
ET CLR 3.0.30729; Media Center PC 6.0)"
192.168.1.9 – - [23/May/2018:01:45:24 +0700] "GET / HTTP/1.1" 200 309 "-" "Mozilla/5.0 (Windows
.3; rv:45.0) Gecko/20100101 Firefox/45.0"
192.168.1.58 - - [23/May/2018:01:45:36 +0700] "GET / HTTP/1.1" 200 309 "-" "Mozilla/4.0 (compat
MSIE 8.0; Windows NT 6.1; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLF
30729; Media Center PC 6.0)"
192.168.1.58 - - [23/May/2018:01:45:36 +0700] "GET /favicon.ico HTTP/1.1" 404 506 "-" "Mozilla/
compatible; MSIE 8.0; Windows NT 6.1; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.3072
ET CLR 3.0.30729; Media Center PC 6.0)'
```

Untuk melihat pengunjung web, pilih nomor 18 lalu enter

```
[7] Edit Konfigurasi pada apache2.conf
[8] Install DNS Server
[9] Masukkan domain baru pada DNS Server
[10] Setting domain yang sudah ada di DNS Server
[11] Edit /etc/hosts
[12] Install Samba Server
[13] Share /home/share tanpa password : read only
[14] Share /home/share tanpa password : : read & write
[15] Share /home/share dipassword: read only
[16] Share /home/share dipassword : read & write
Log Server
[17] Cek file access.log.*
[18] Libat log ponganjang well
1191 Lihat semua log pengunjung website
[201 rmaan ].
[21] Reboot
[22] Exit
_____
Masukkan Nomor Pilihan Anda antara [1 - 22]: 19
```

Pilih nomor 19

Lihat pengunjung web

## X-code Pandawa

http://xcodetraining.com/xcodepandawa