

MODUL PRAKTIKUM 04

REMOTE ACCESS

TUJUAN

Setelah praktikum dilaksanakan, peserta praktikum diharapkan memiliki kemampuan

1. Melakukan konfigurasi SSH Server pada Linux
2. Melakukan remote access berbasis text-mode dengan SSH menggunakan Windows dan Linux
3. Melakukan konfigurasi Telnet Server pada Windows
4. Melakukan remote access berbasis text-mode dengan Telnet menggunakan Windows dan Linux
5. Melakukan konfigurasi Windows Remote Desktop Connection (RDC) pada Windows
6. Melakukan remote access berbasis GUI dengan Windows RDC menggunakan Windows
7. Melakukan konfigurasi Virtual Network Computing (VNC) pada Linux dan Windows
8. Melakukan remote access berbasis GUI dengan VNC menggunakan Linux dan Windows

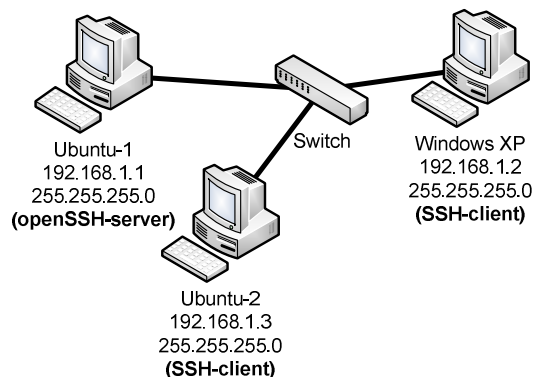
PERANGKAT

Perangkat yang digunakan untuk praktikum adalah sbb :

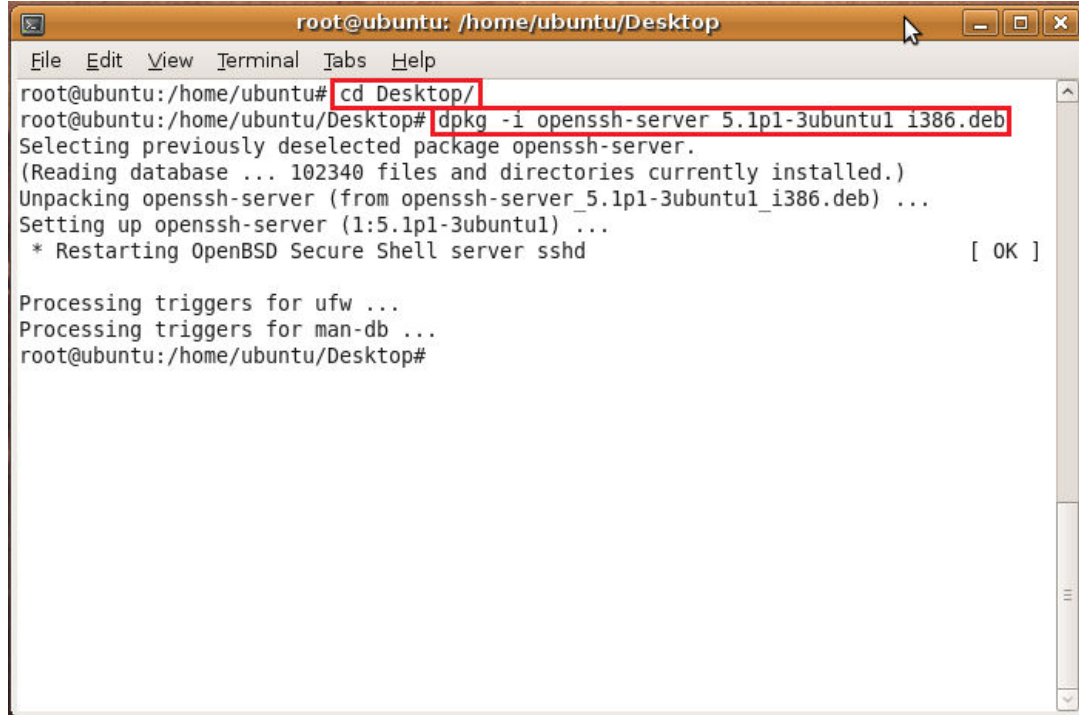
1. CD Linux Ubuntu 8.10
2. OpenSSH Server (openssh-server_5.1p1-3ubuntu1_i386.deb)
3. Putty (SSH-client pada windows)
4. Windows XP (dengan service RDC dan Telnet)
5. RealVNC (install pada Windows)
6. Kabel UTP Straight atau Cross
7. Switch

PROSEDUR PRAKTIKUM

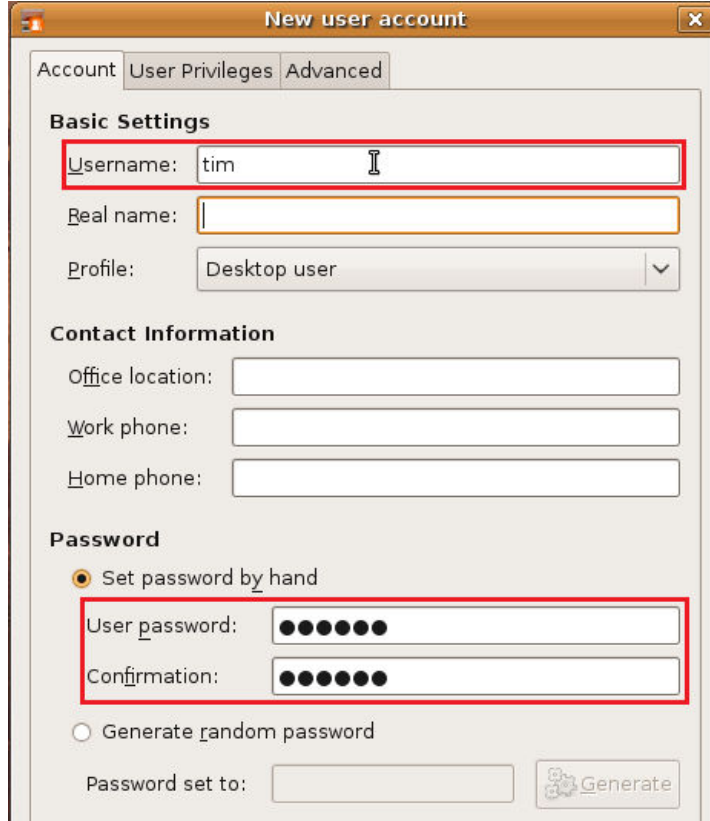
1. Melakukan konfigurasi SSH Server pada Linux (serta melakukan remote access berbasis text-mode dengan SSH menggunakan Windows dan Linux)
 - a. Berikut topologi yang akan dibuat



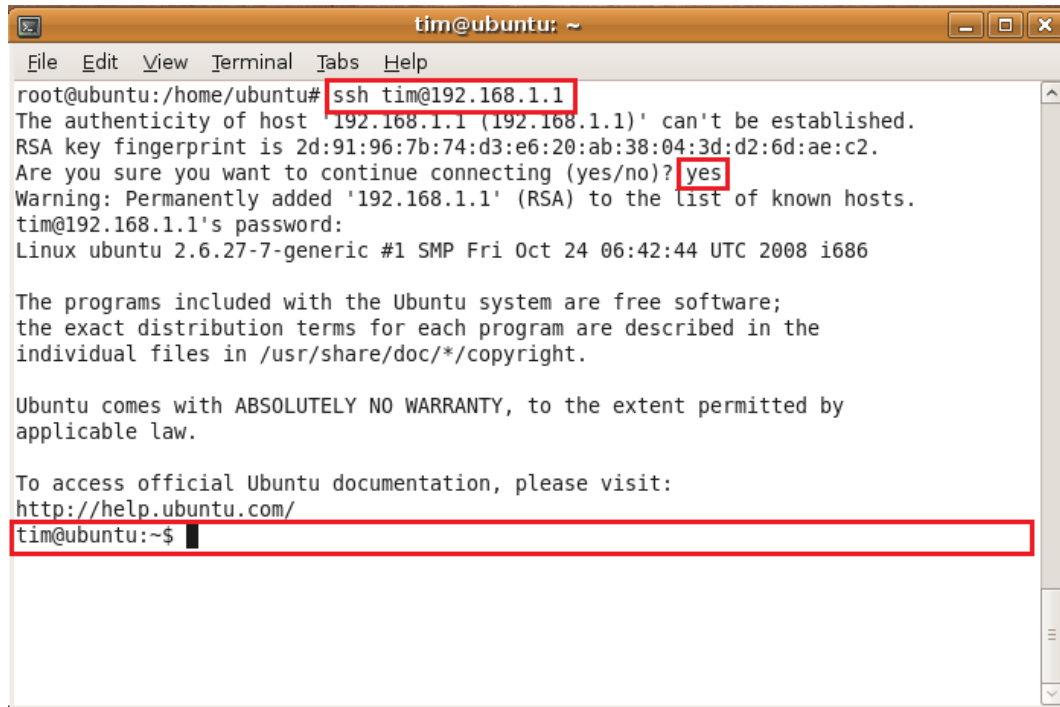
- b. Salin file openssh-server_5.1p1-3ubuntu1_i386.deb pada Desktop di Ubuntu-1
- c. Lakukan proses instalasi openssh-server dengan menggunakan perintah “dpkg -i”



- d. Tambahkan user untuk akses pada SSH-server



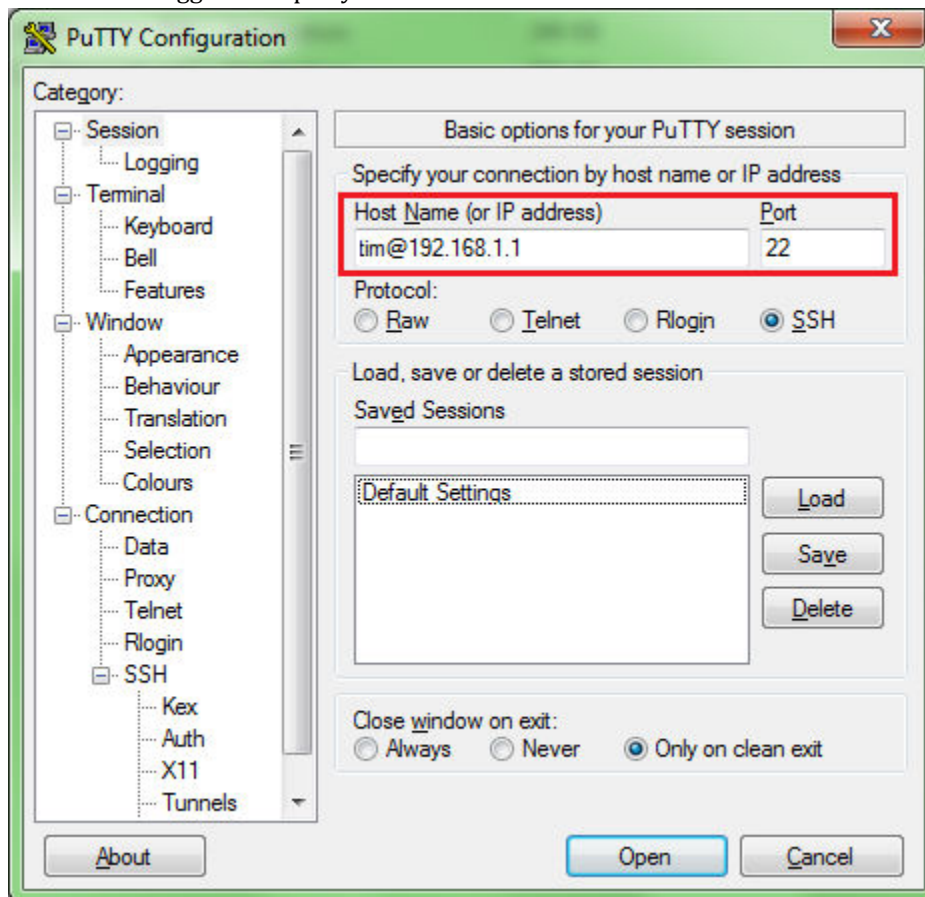
- e. Akses SSH menggunakan Linux-client menggunakan perintah “ssh user@hostname/ip”

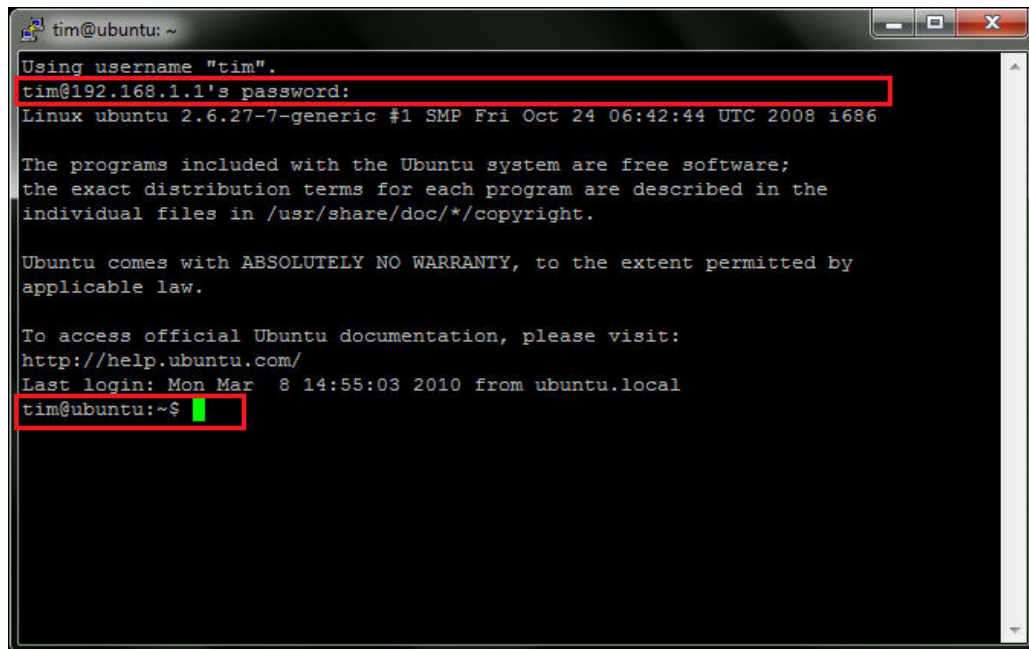
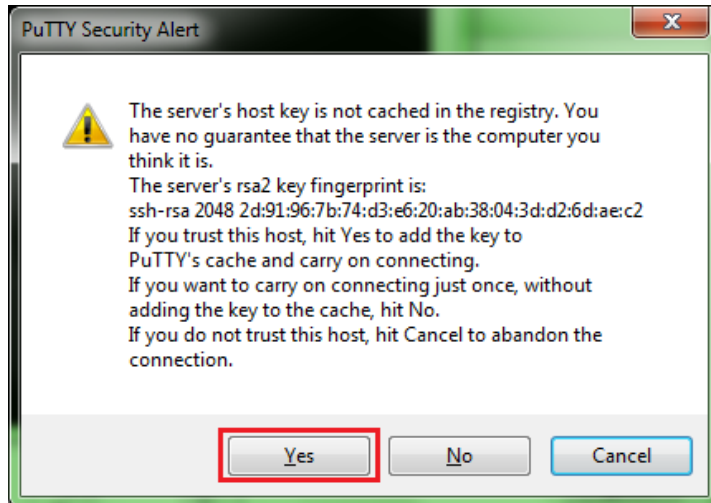


A terminal window titled "tim@ubuntu: ~" showing the execution of the command "ssh tim@192.168.1.1". The output includes a warning about the host's authenticity, a confirmation to continue, and the start of the remote shell session. The prompt "tim@ubuntu:~\$" is visible at the bottom.

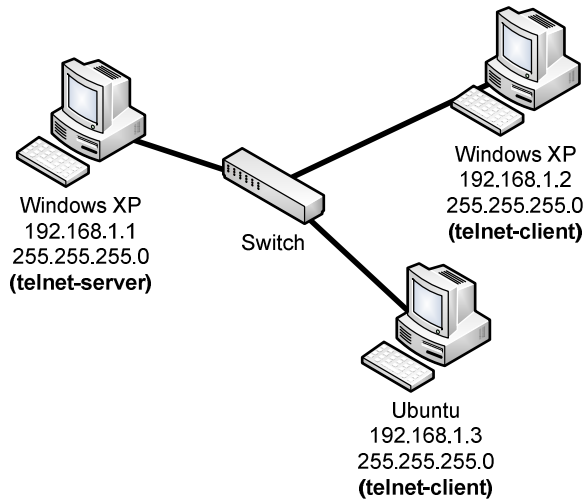
```
tim@ubuntu: ~  
File Edit View Terminal Tabs Help  
root@ubuntu:/home/ubuntu# ssh tim@192.168.1.1  
The authenticity of host '192.168.1.1 (192.168.1.1)' can't be established.  
RSA key fingerprint is 2d:91:96:7b:74:d3:e6:20:ab:38:04:3d:d2:6d:ae:c2.  
Are you sure you want to continue connecting (yes/no)? yes  
Warning: Permanently added '192.168.1.1' (RSA) to the list of known hosts.  
tim@192.168.1.1's password:  
Linux ubuntu 2.6.27-7-generic #1 SMP Fri Oct 24 06:42:44 UTC 2008 i686  
  
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.  
  
To access official Ubuntu documentation, please visit:  
http://help.ubuntu.com/  
tim@ubuntu:~$
```

- f. Akses SSH menggunakan putty di Windows-client

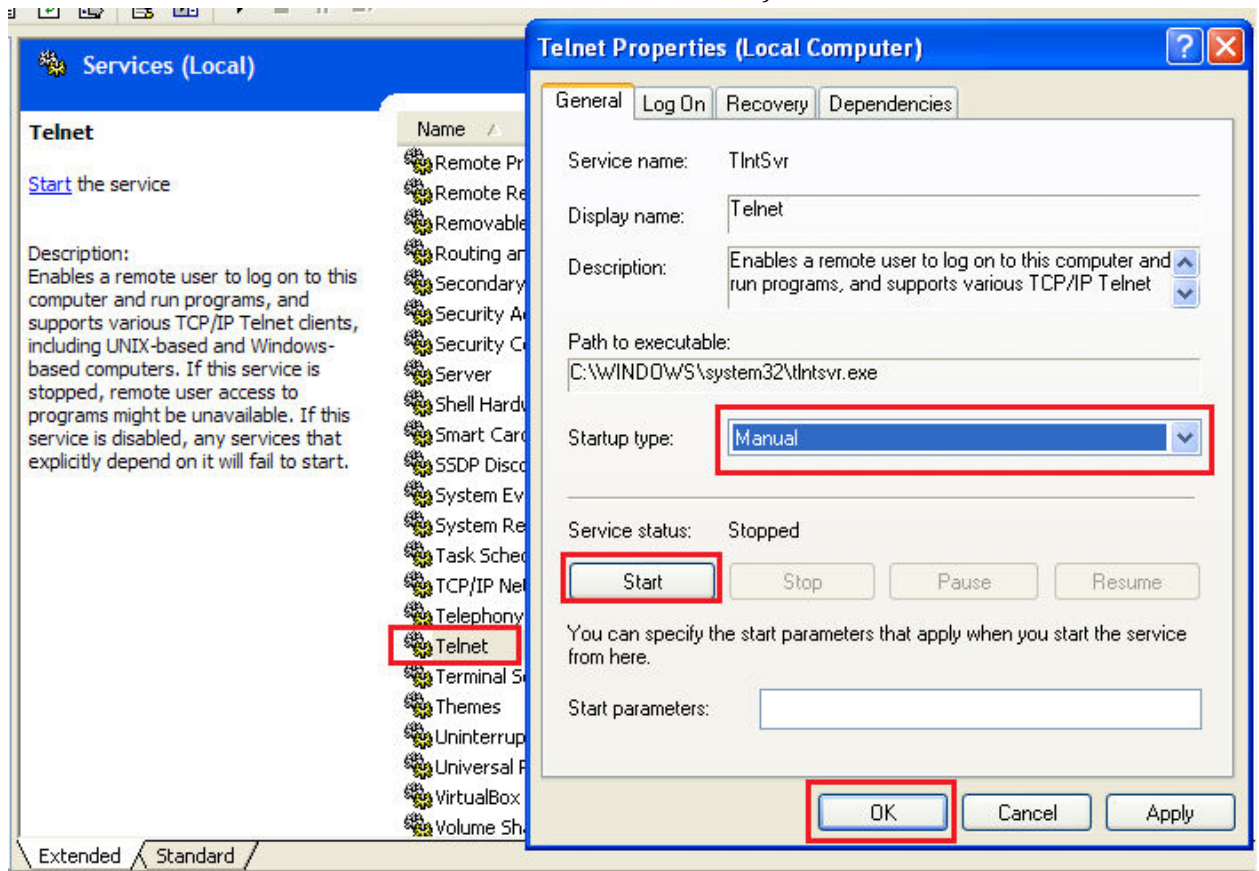




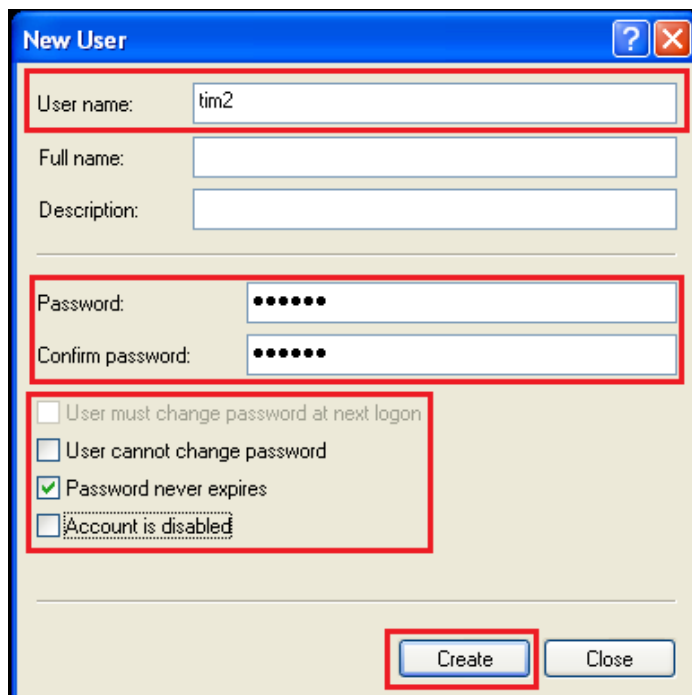
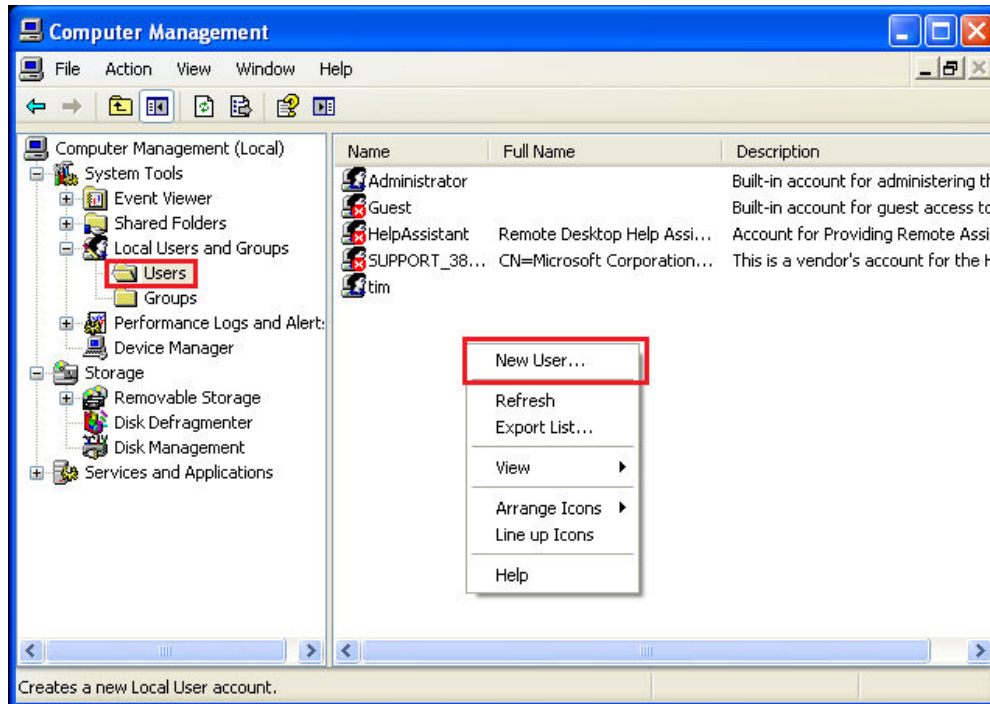
2. Melakukan konfigurasi Telnet Server pada Windows (serta melakukan remote access berbasis text-mode dengan Telnet menggunakan Windows dan Linux)
- a. Berikut topologi yang akan dibuat



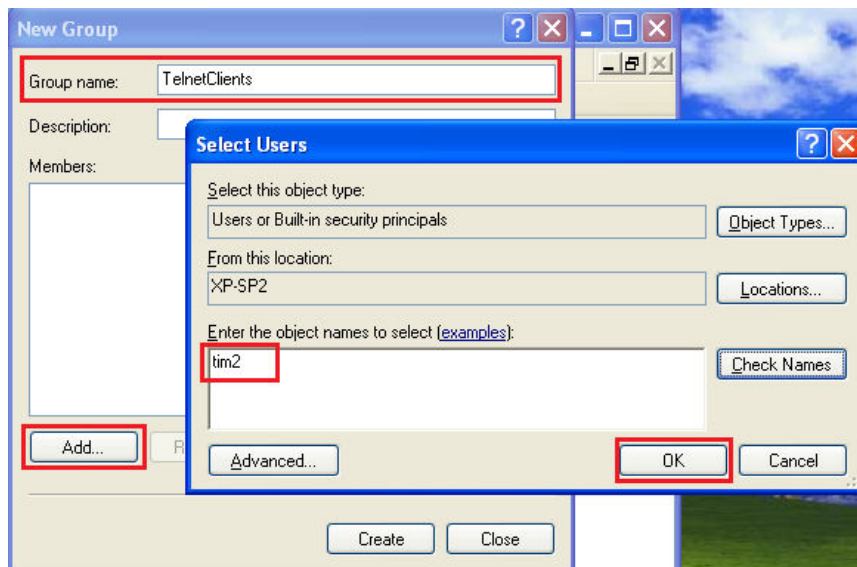
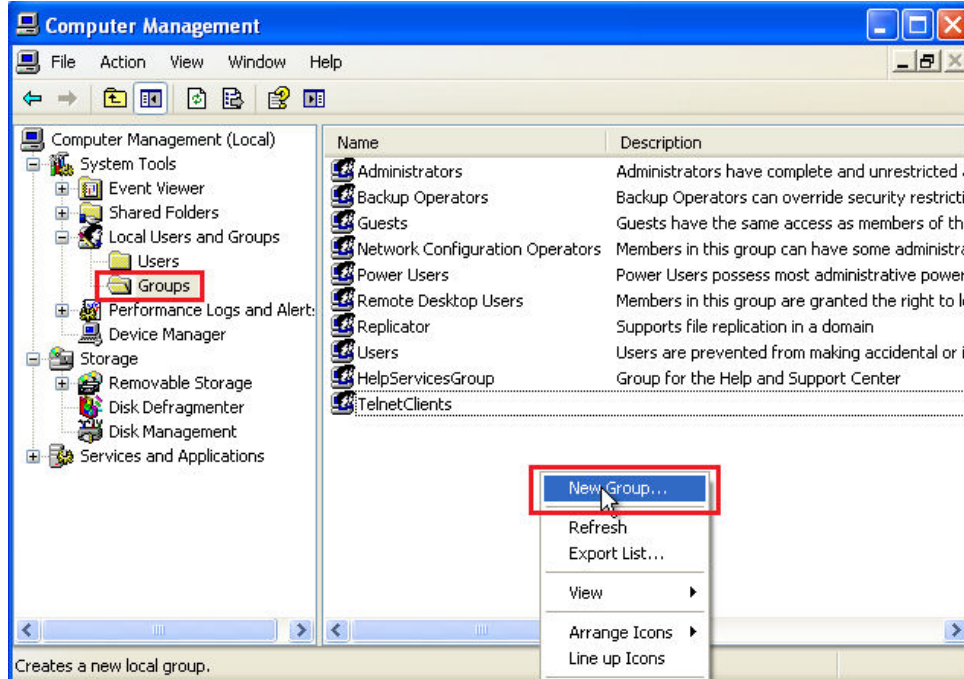
- b. Jalankan servis telnet pada telnet-server (untuk menjalankan service telnet dapat dilakukan melalui **Start – Control Panel – Administrative Tools – Services**)



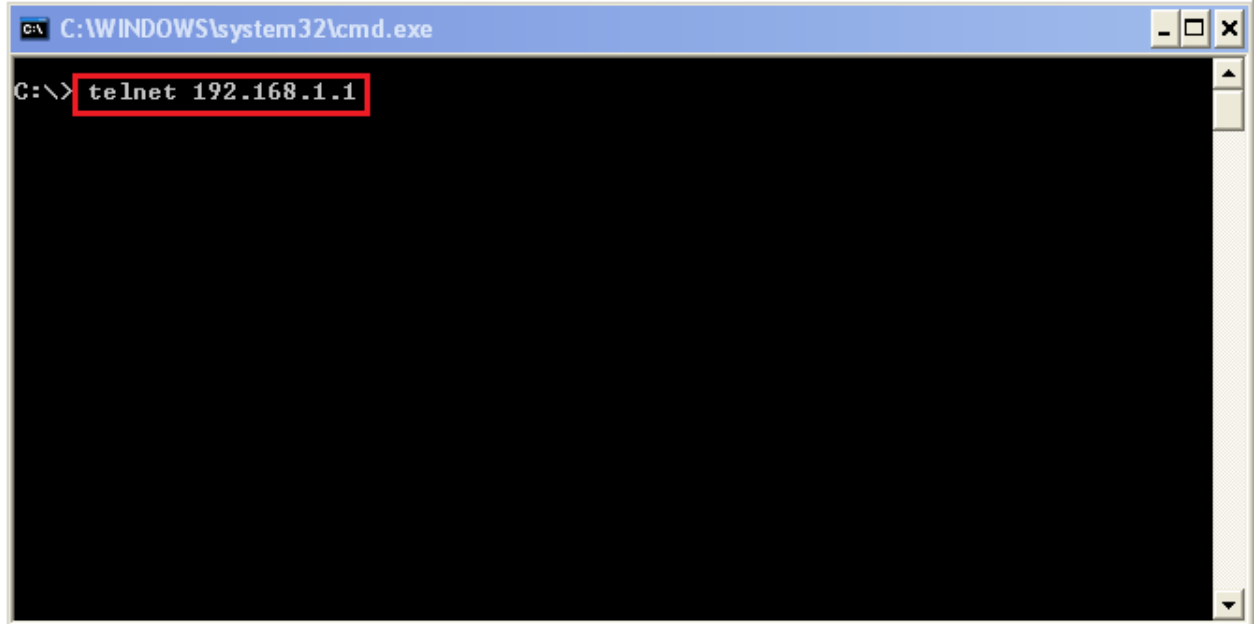
- c. Tambahkan user baru pada Local Users and Groups (dapat diakses dari **Start – Control Panel – Administrative Tools – Computer Management**)



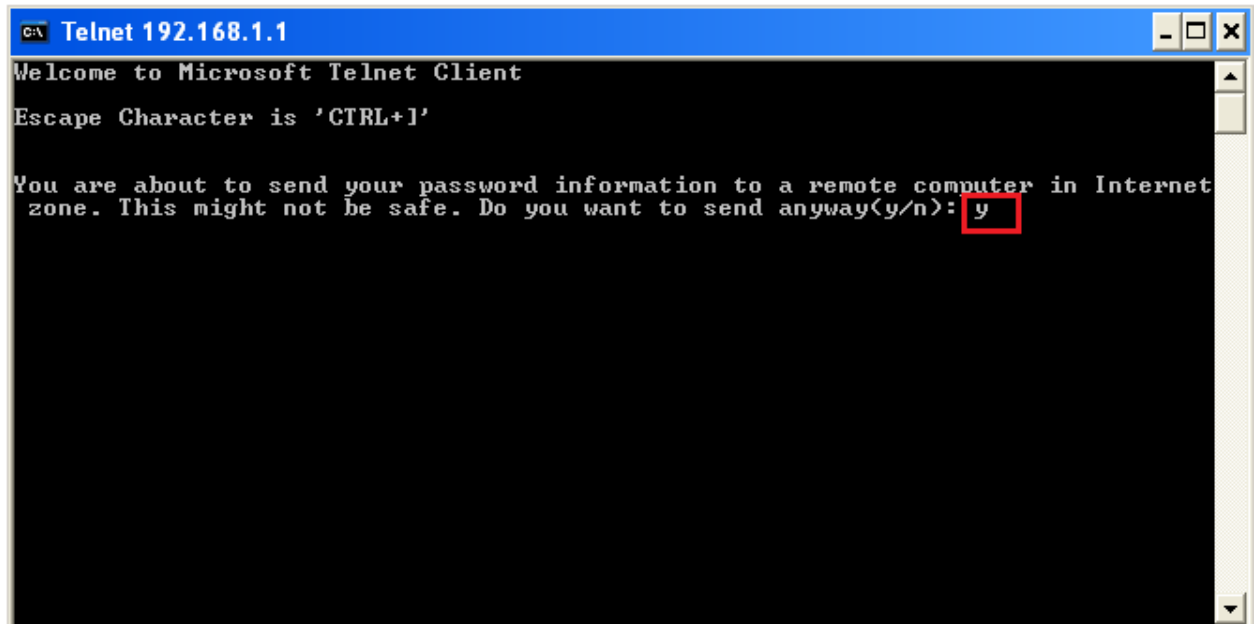
- d. Tambahkan Group “TelnetClients” pada Local Users and Groups dan daftarkan user yang baru dibuat dalam group TelnetClients



- e. Akses telnet menggunakan telnet client pada Windows-client (akses telnet client melalui command prompt menggunakan perintah “telnet hostname/ip”)



```
C:\WINDOWS\system32\cmd.exe
C:\> telnet 192.168.1.1
```



```
Telnet 192.168.1.1
Welcome to Microsoft Telnet Client
Escape Character is 'CTRL+I'
You are about to send your password information to a remote computer in Internet
zone. This might not be safe. Do you want to send anyway(y/n): y
```



```
C:\ Telnet 192.168.1.1

Telnet server could not log you in using NTLM authentication.
Your password may have expired.
Login using username and password

Welcome to Microsoft Telnet Service

login: tim
password: _
```

```
C:\ Telnet 192.168.1.1

*****
Welcome to Microsoft Telnet Server.
*****
C:\Documents and Settings\tim>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.1.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

C:\Documents and Settings\tim>
```

- f. Akses menggunakan telnet client pada Linux-client menggunakan perintah “telnet hostname/ip”

```
root@ubuntu: /home/ubuntu
File Edit View Terminal Tabs Help
root@ubuntu:/home/ubuntu# telnet 192.168.1.1
Trying 192.168.1.1...
Connected to 192.168.1.1.
Escape character is '^]'.
Welcome to Microsoft Telnet Service

login: tim
password:

*=====
Welcome to Microsoft Telnet Server.
*=====
C:\Documents and Settings\tim>ipconfig
Windows IP Configuration

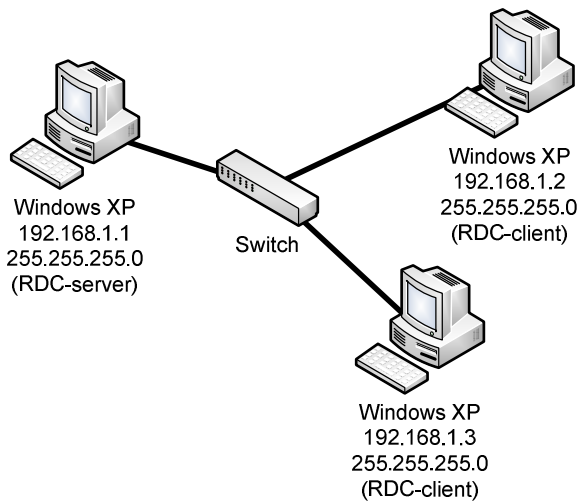
Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . :
    IP Address. . . . . : 192.168.1.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

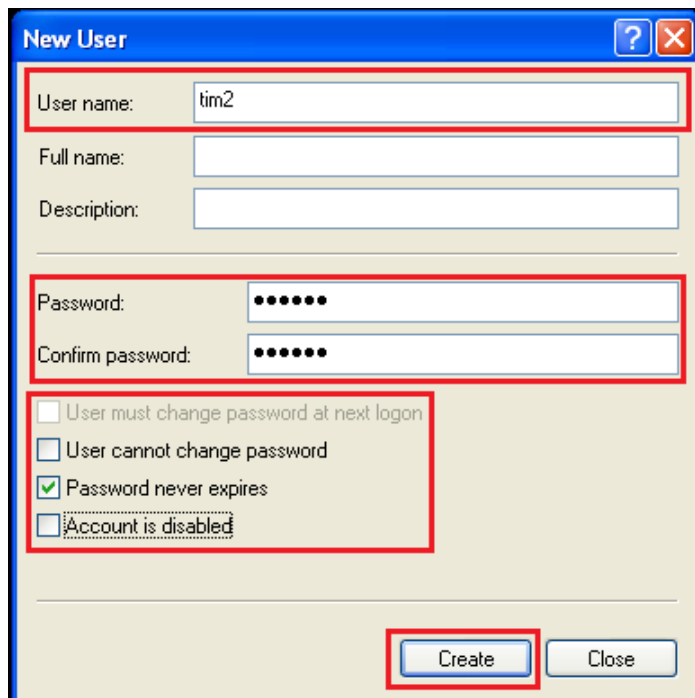
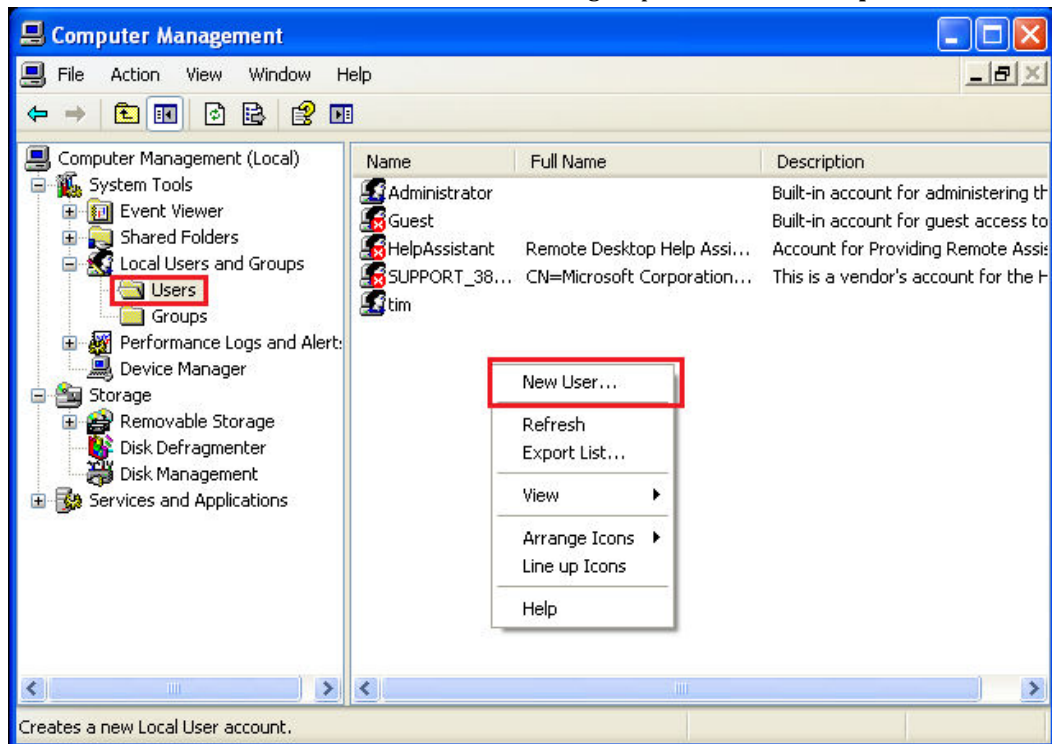
C:\Documents and Settings\tim>
```

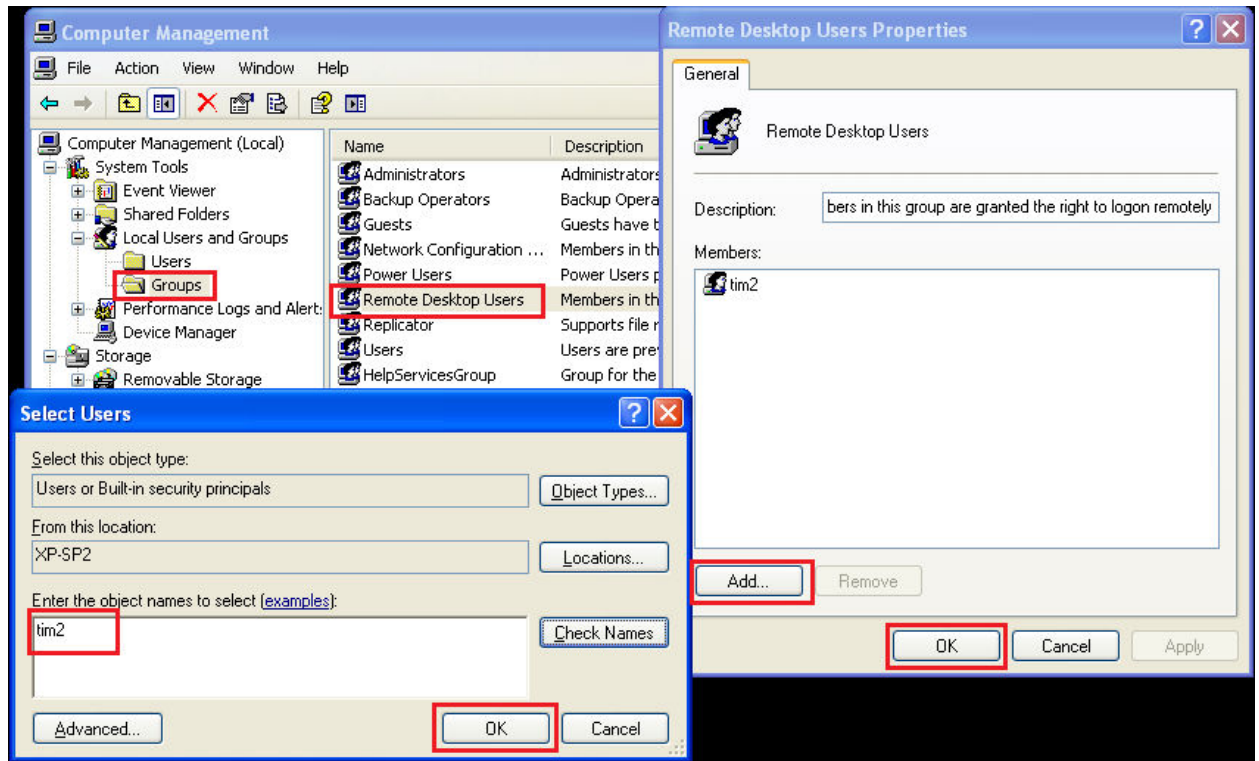
3. Melakukan konfigurasi RDC pada Windows (serta melakukan remote access berbasis GUI dengan RDC menggunakan Windows)

- a. Berikut topologi yang akan dibuat

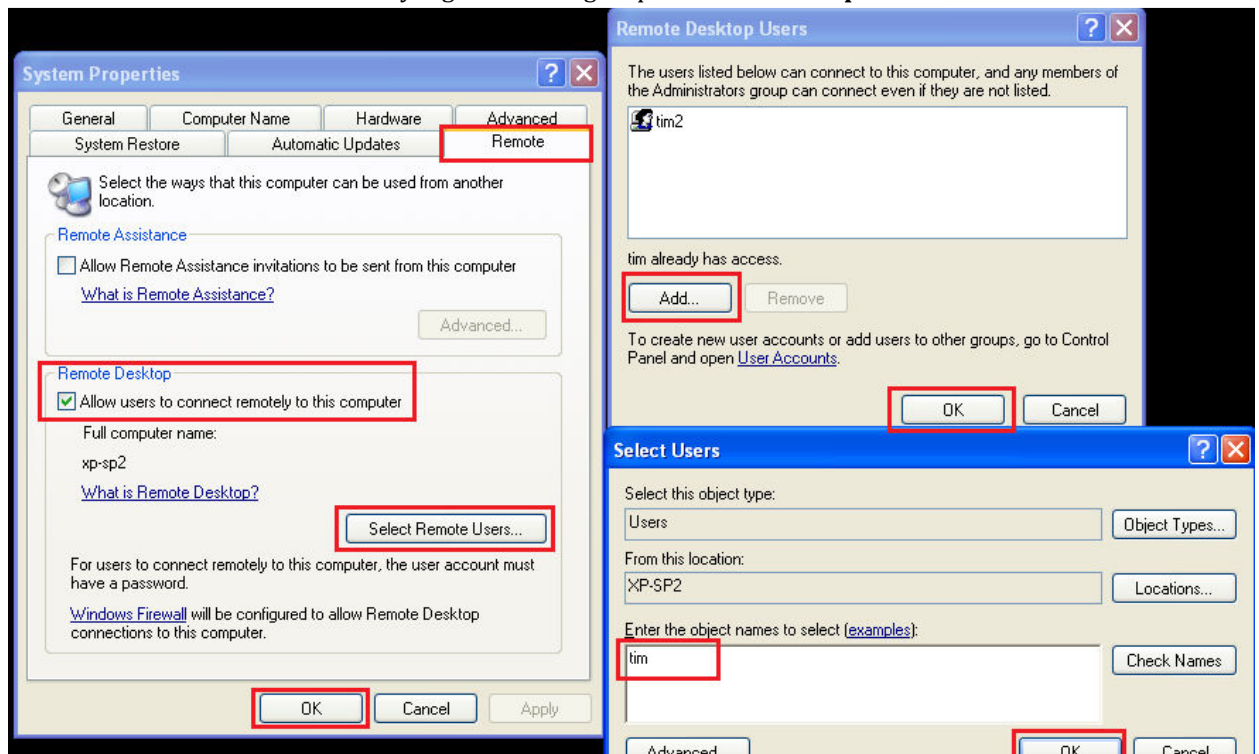


- b. Tambahkan user baru untuk dimasukkan ke dalam group “Remote Desktop Users”

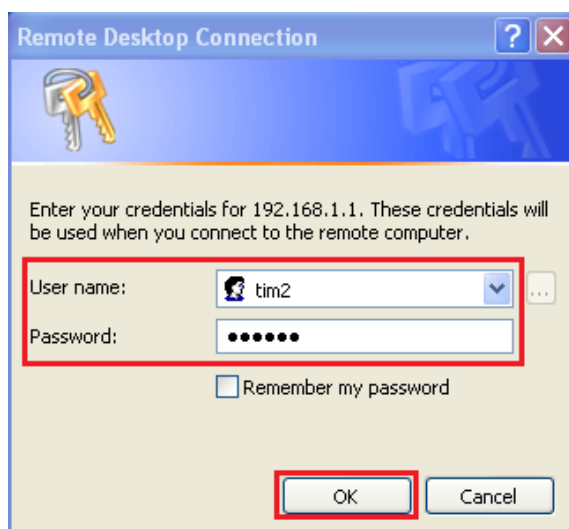
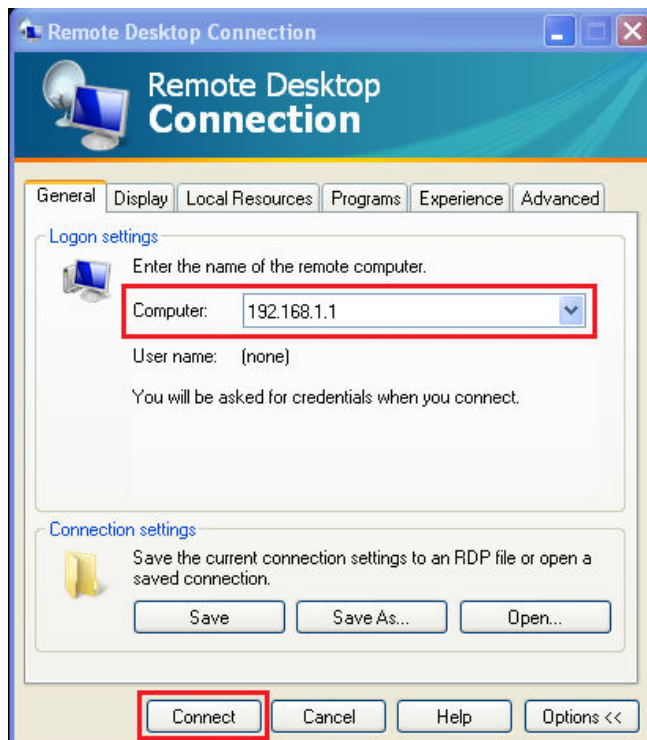
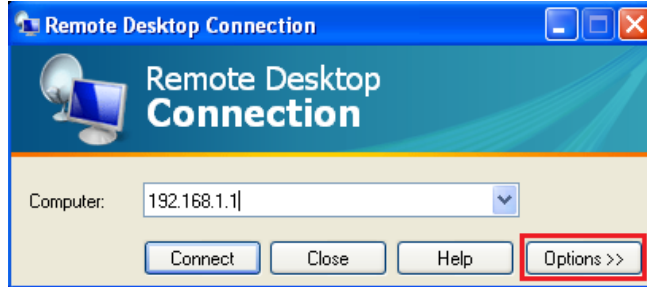




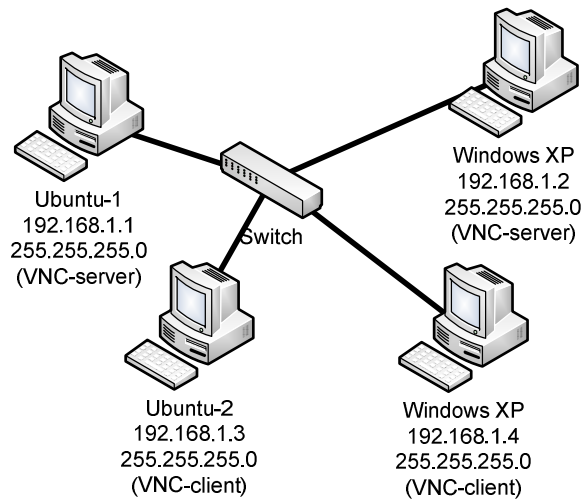
c. Aktifkan RDC dan tambahkan user yang ada dalam group **Remote Desktop Users**



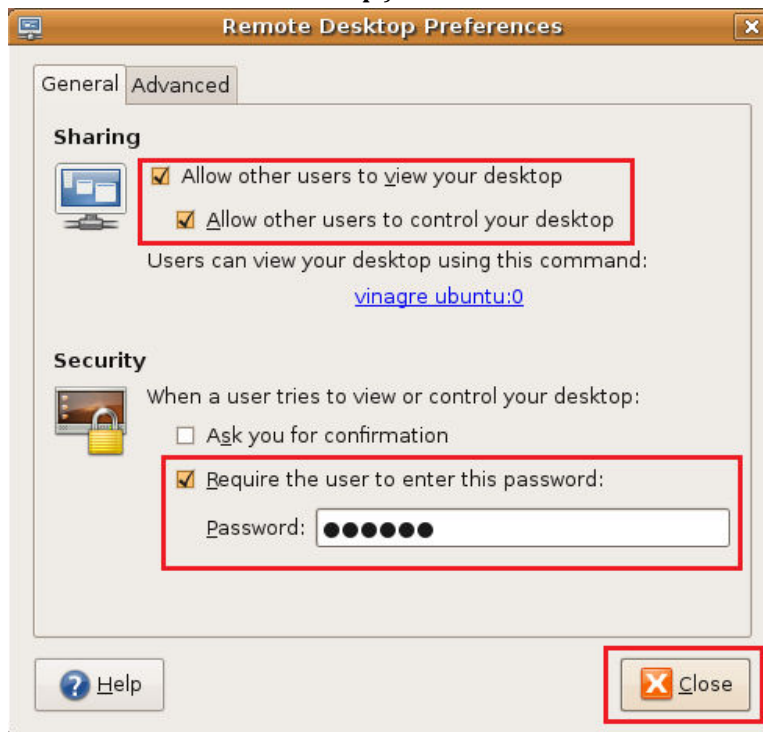
- d. Akses RDC lewat windows-client (Remote Desktop Connection bisa diakses dari **Start – All Programs – Accessories – Communications – Remote Desktop Connection**)



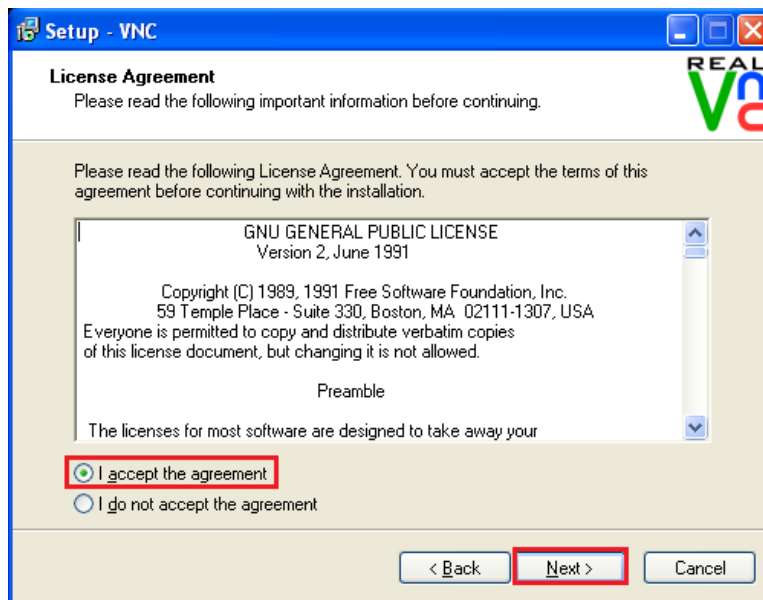
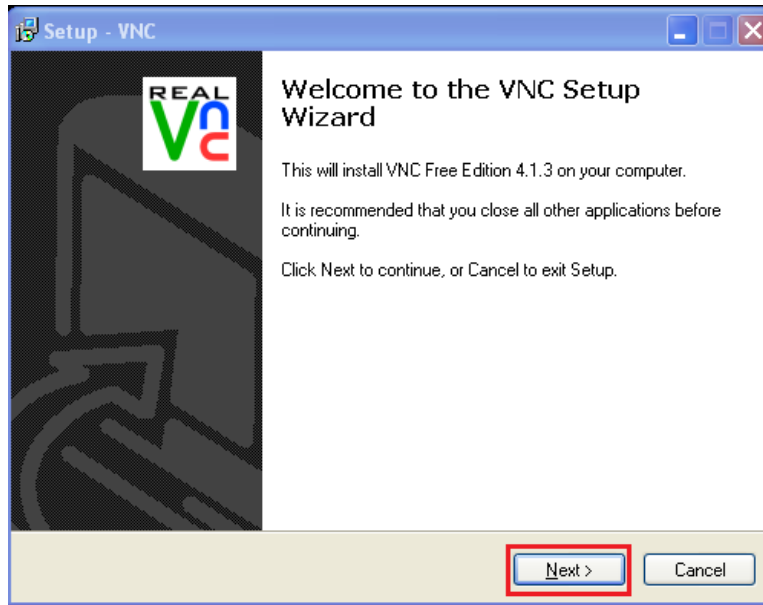
4. Melakukan konfigurasi VNC pada Windows dan Linux (serta melakukan remote access berbasis GUI dengan VNC menggunakan Windows)
- a. Berikut topologi yang akan dibuat

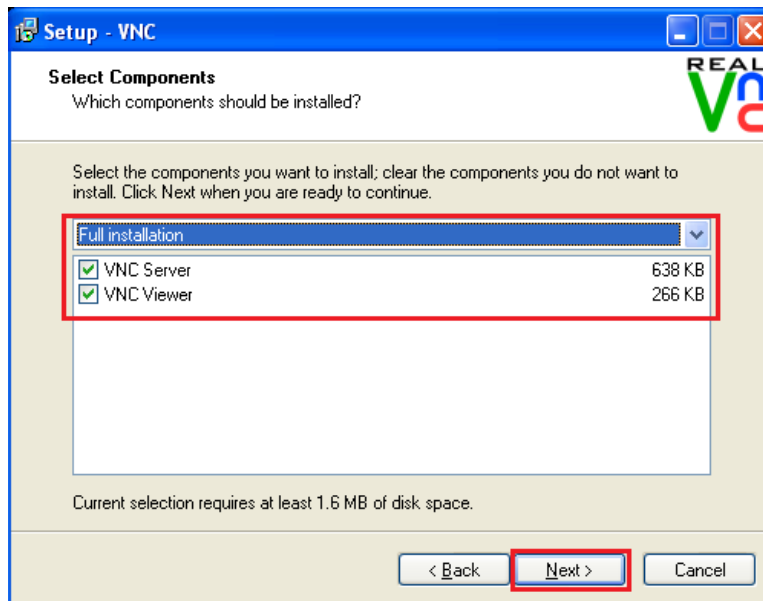
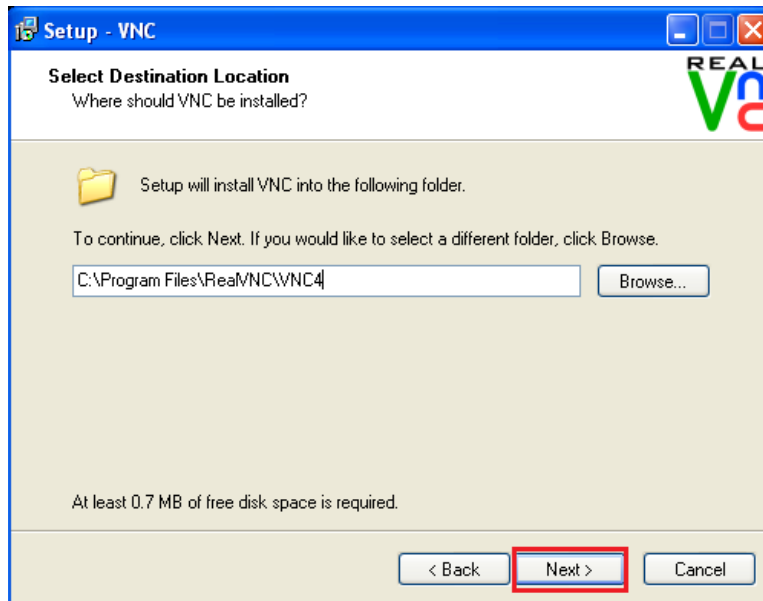


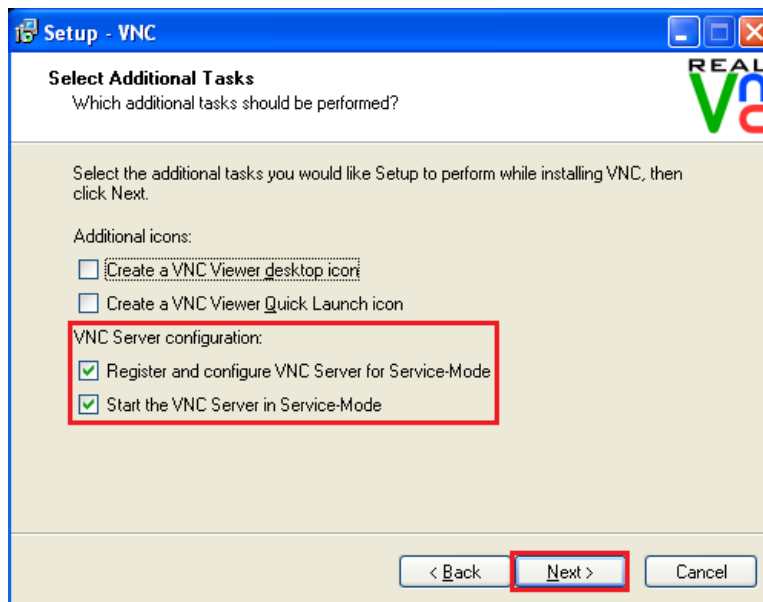
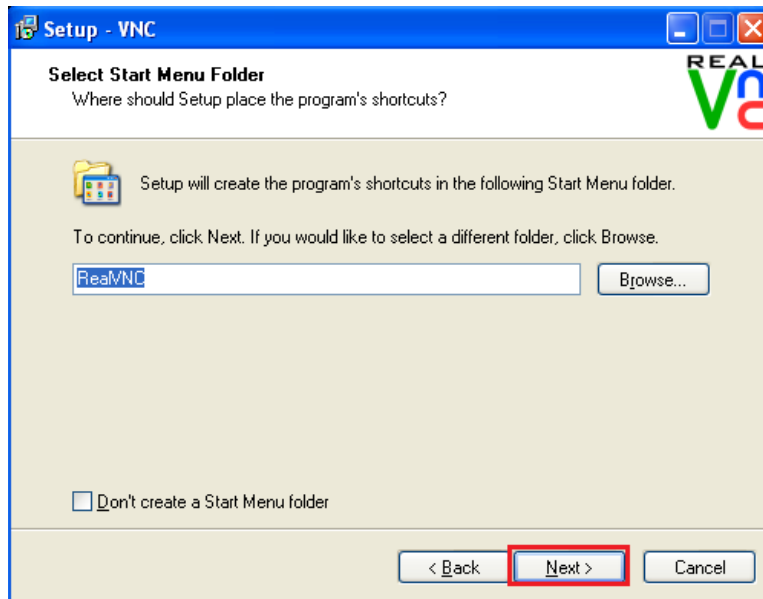
- b. Aktifkan VNC Server pada Ubuntu (Remote Desktop Preferences dapat diakses dari **System - Preferences - Remote Desktop**)

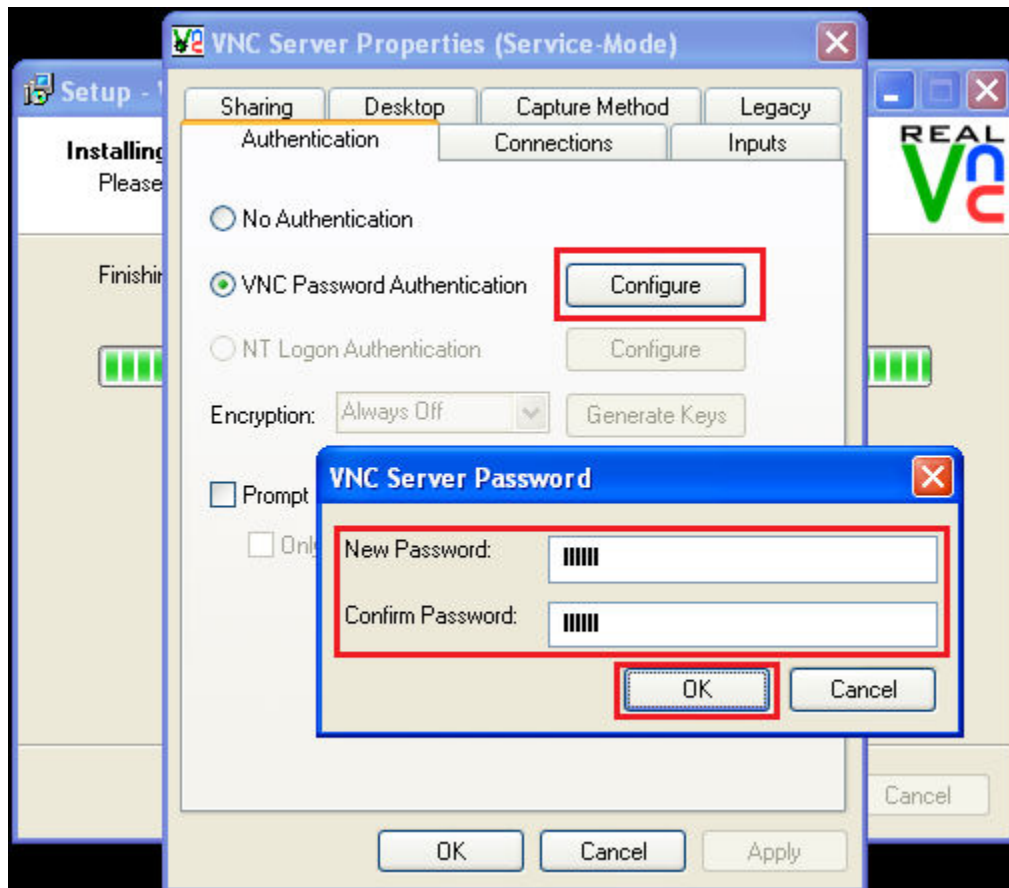
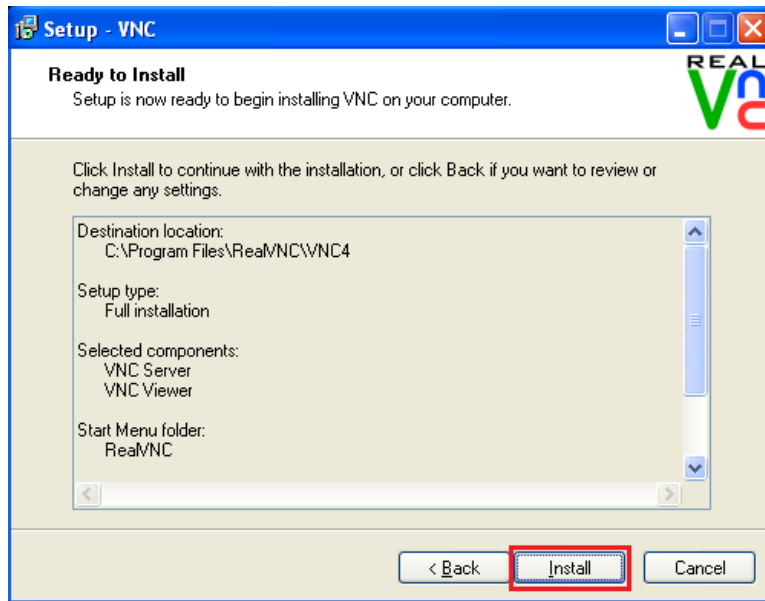


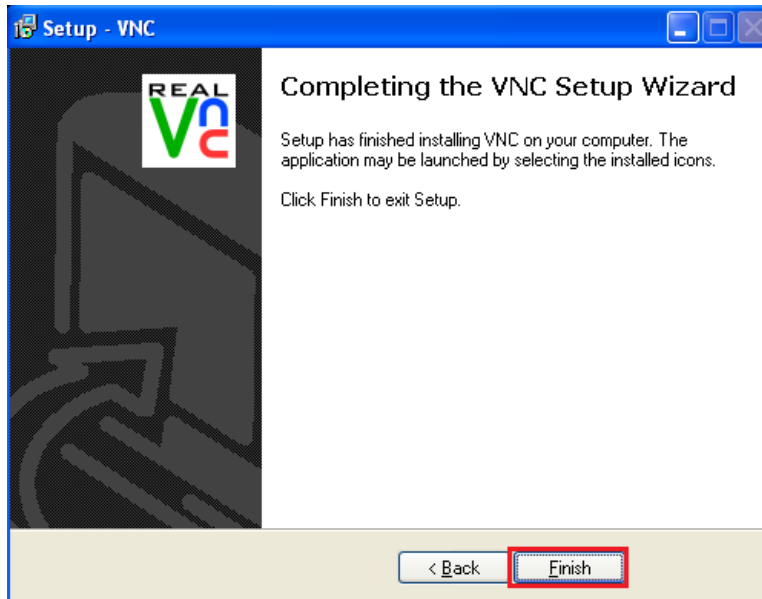
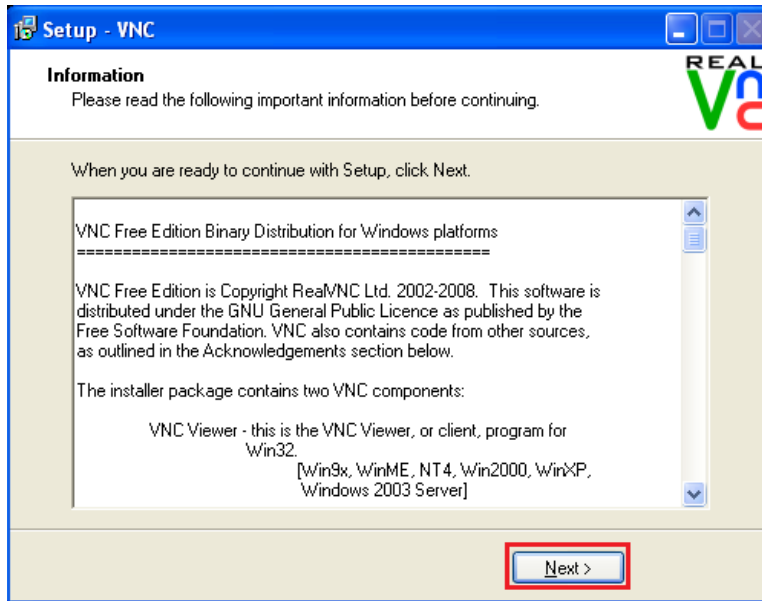
c. Aktifkan VNC Server pada Windows



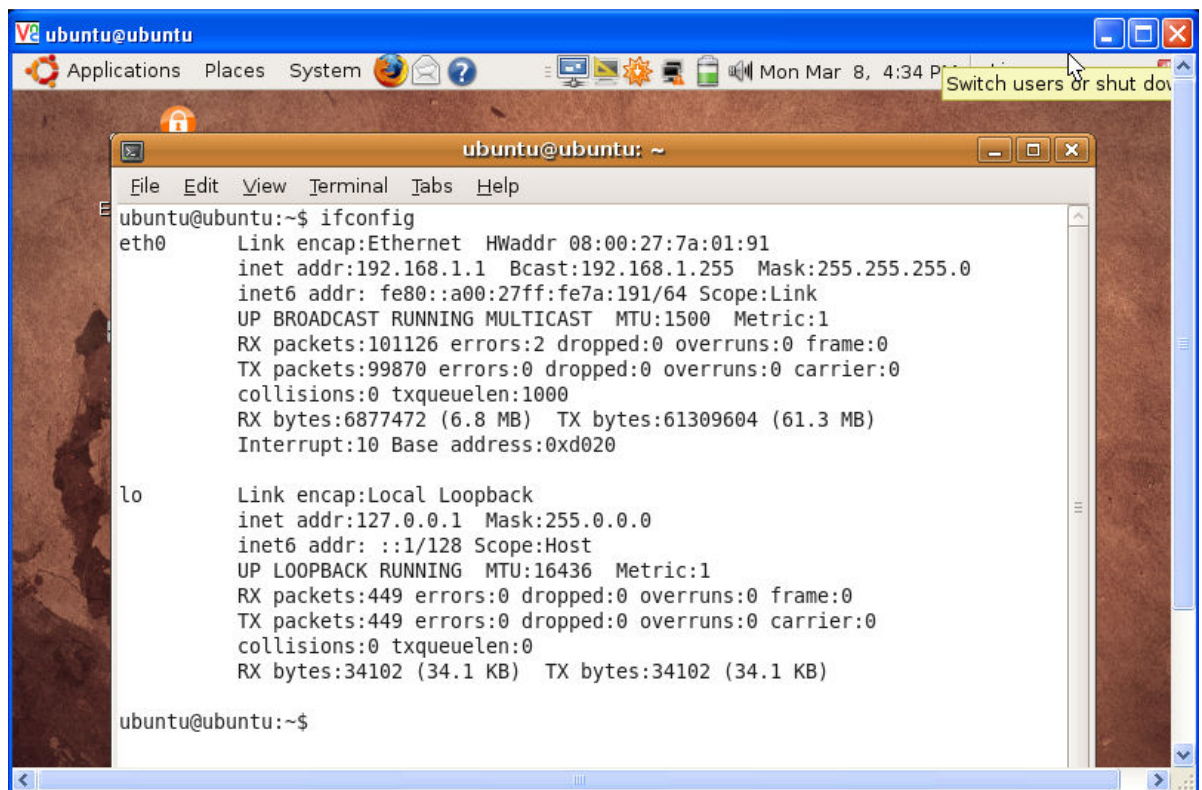
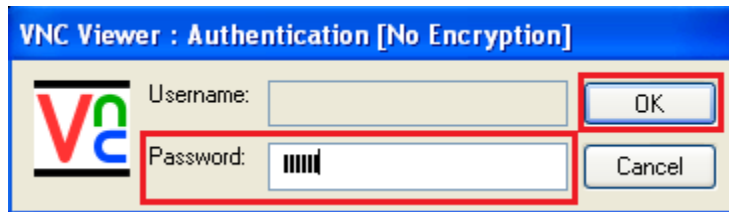
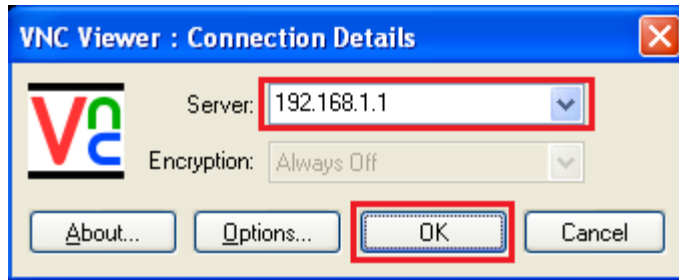








- d. Akses melalui VNC Viewer pada windows-client (VNC Viewer dapat diakses dari **Start – All Programs – RealVNC – VNC Viewer 4 – Run VNC Viewer**)



- e. Akses melalui Remote Desktop Viewer pada Linux (Remote Desktop Viewer dapat diakses pada **Applications - Internet - Remote Desktop Viewer**)

