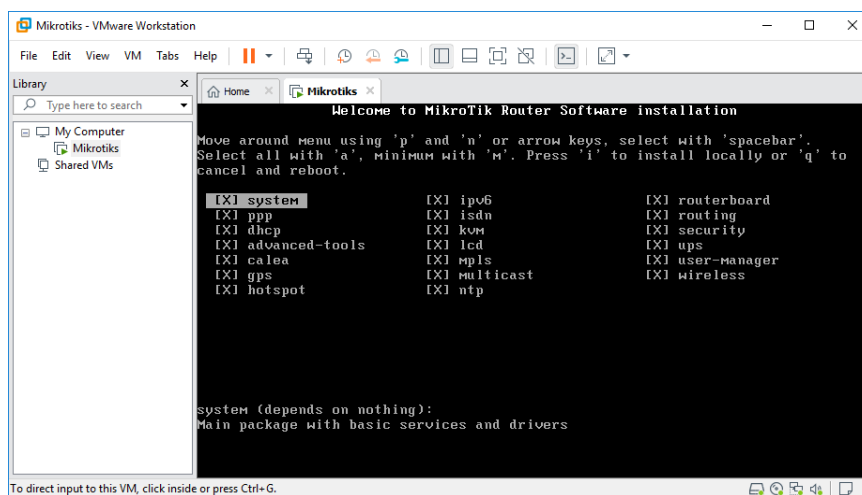


Konfigurasi RouterOS Mikrotik dengan VMware

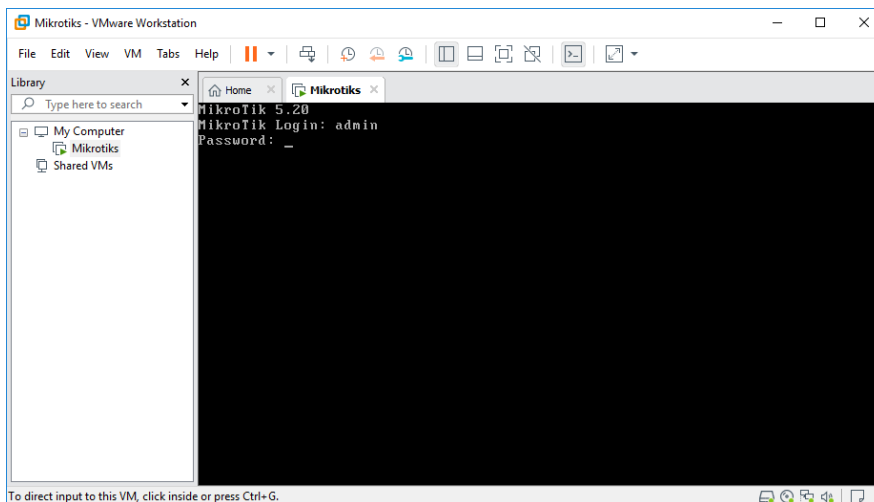
Alat dan bahan yang diperlukan antara lain:

- a. PC/Laptop dengan Sistem Operasi Windows.
- b. Software VMware dengan OS Mikrotik.

1. Pertama, buka aplikasi VMware dan install OS Mikrotik. Jalankan mesin dan memulai instalasi OS Mikrotik dengan mencentang semua requirementnya dengan mengklik 'a'. Apabila sudah dicentang semua, klik 'i' pada keyboard sampai proses instalasi selesai. Jika sudah lalu reboot dengan menekan tombol 'enter'.



2. Masukkan username dengan nama admin dan password dikosongkan.



- Masukkan perintah 'ip address add address=192.168.20.1/24 interface=ether1' untuk mengatur ip address. Lalu jalankan perintah 'ip address print' untuk melihat daftar interface.

```

Mikrotik RouterOS 5.20 (c) 1999-2012      http://www.mikrotik.com/

ROUTER HAS NO SOFTWARE KEY
-----
You have 23h49m to configure the router to be remotely accessible,
and to enter the key by pasting it in a Telnet window or in Winbox.
See www.mikrotik.com/key for more details.

Current installation "software ID": WSEY-LHT9
Please press "Enter" to continue!

[admin@MikroTik] > ip address add address=192.168.20.1/24 interface=ether1
[admin@MikroTik] > ip address print
Flags: X - disabled, I - invalid, D - dynamic
# ADDRESS NETWORK INTERFACE
0 192.168.20.1/24 192.168.20.0 ether1
[admin@MikroTik] >

```

- Lakukan kembali perintah 'ip address add address=192.168.20.2/24 interface=ether2' untuk mengatur ip address ethernet kedua dan jalankan kembali perintah 'ip address print' untuk melihat daftar interface.

```

Mikrotik RouterOS 5.20 (c) 1999-2012      http://www.mikrotik.com/

ROUTER HAS NO SOFTWARE KEY
-----
You have 22h17m to configure the router to be remotely accessible,
and to enter the key by pasting it in a Telnet window or in Winbox.
See www.mikrotik.com/key for more details.

Current installation "software ID": WSEY-LHT9
Please press "Enter" to continue!
Dec/06/2018 12:56:14 system,error,critical router was rebooted without proper shutdown

[admin@MikroTik] > ip address print
Flags: X - disabled, I - invalid, D - dynamic
# ADDRESS NETWORK INTERFACE
0 192.168.20.1/24 192.168.20.0 ether1
[admin@MikroTik] > ip address add address=192.168.20.2/24 interface=ether2
[admin@MikroTik] > ip address print
Flags: X - disabled, I - invalid, D - dynamic
# ADDRESS NETWORK INTERFACE
0 192.168.20.1/24 192.168.20.0 ether1
1 192.168.20.2/24 192.168.20.0 ether2
[admin@MikroTik] >

```

- Menambahkan konfigurasi nat dengan cara memberi perintah 'ip firewall nat add chain=srcnat out-interface=ether1 action=masquerade' dan 'ip dhcp-server setup', enter dan masukkan perintah 'ether2' lalu klik enter kembali.

```

Mikrotik RouterOS 5.20 (c) 1999-2012      http://www.mikrotik.com/

Dec/06/2018 12:56:14 system,error,critical router was rebooted without proper shutdown

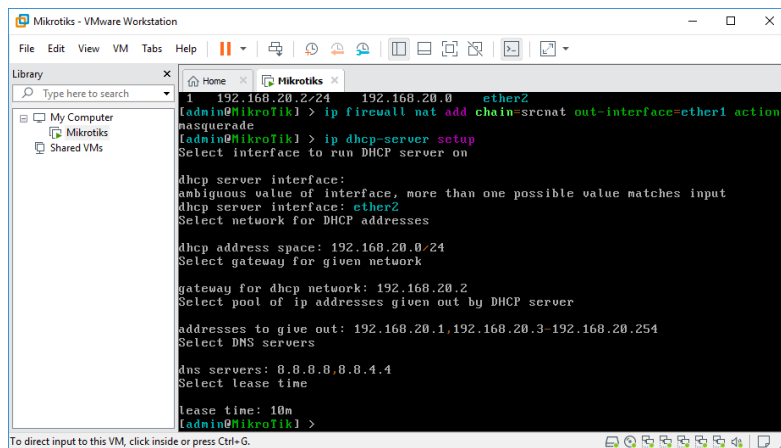
[admin@MikroTik] > ip address print
Flags: X - disabled, I - invalid, D - dynamic
# ADDRESS NETWORK INTERFACE
0 192.168.20.1/24 192.168.20.0 ether1
[admin@MikroTik] > ip address add address=192.168.20.2/24 interface=ether2
[admin@MikroTik] > ip address print
Flags: X - disabled, I - invalid, D - dynamic
# ADDRESS NETWORK INTERFACE
0 192.168.20.1/24 192.168.20.0 ether1
1 192.168.20.2/24 192.168.20.0 ether2
[admin@MikroTik] > ip firewall nat add chain=srcnat out-interface=ether1 action=masquerade
[admin@MikroTik] > ip dhcp-server setup
Select interface to run DHCP server on

dhcp server interface:
ambiguous value of interface, more than one possible value matches input
dhcp server interface: ether2
Select network for DHCP addresses

dhcp address space: 192.168.20.0/24
[admin@MikroTik] >

```

6. Mengatur DNS dengan perintah pada dns server '8.8.8.8,8.8.4.4' dan klik enter.



```
1 192.168.20.2/24 192.168.20.0 ether2
[admin@MikroTik] > ip firewall nat add chain=srcnat out-interface=ether1 action=masquerade
[admin@MikroTik] > ip dhcp-server setup
Select interface to run DHCP server on

dhcp server interface:
ambiguous value of interface, more than one possible value matches input
dhcp server interface: ether2
Select network for DHCP addresses

dhcp address space: 192.168.20.0/24
Select gateway for given network

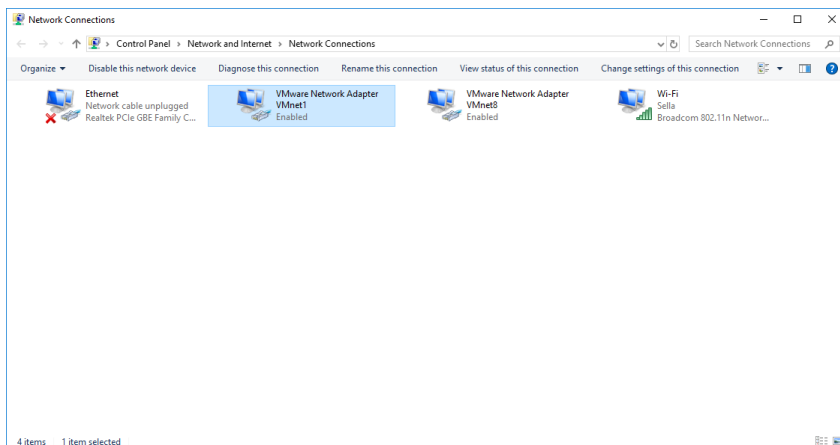
gateway for dhcp network: 192.168.20.2
Select pool of ip addresses given out by DHCP server

addresses to give out: 192.168.20.1,192.168.20.3-192.168.20.254
Select DNS servers

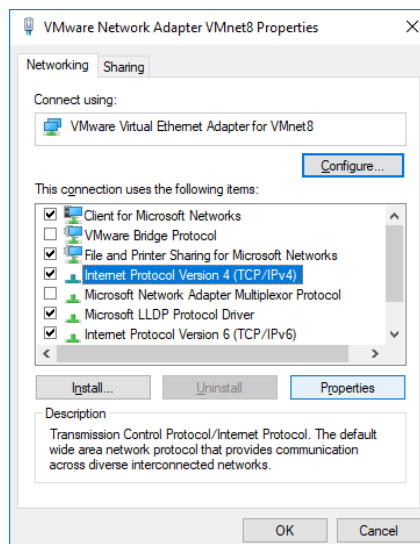
dns servers: 8.8.8.8,8.8.4.4
Select lease time

lease time: 10m
[admin@MikroTik] >
```

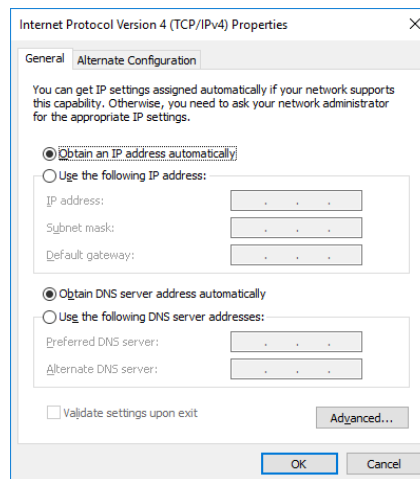
7. Klik kanan pada taskbar network dan pilih Open Network and Internet Setting, pilih Change Adapter Options, dan pilih VMware Network Adapter VMnet1, klik kanan dan pilih Properties.



8. Pilih Internet Protocol Version 4 (TCP/IPv4), dan klik properties.



9. Pilih Obtain an IP address automatically dan klik OK.



10. Cek IP Address di Command Prompt dengan mengetikkan perintah 'ip config' lalu tekan enter.

