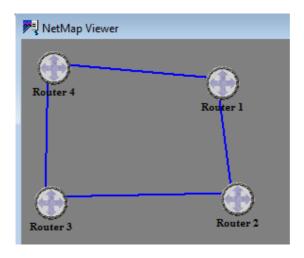
LAPORAN MODUL 2 PRAKTIKUM JARINGAN KOMPUTER

NAMA : DIMAS FAJAR SAPUTRO

NIM : L200160090

KELAS : D

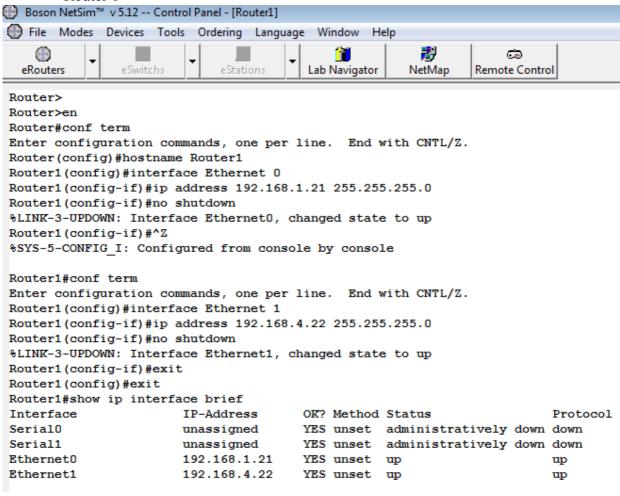
1. Membuat desain jaringan dengan 4 router tipe 2514 yang memiliki 2 interface ethernet dan 2 interface serial dan menyetting sesuai tabel



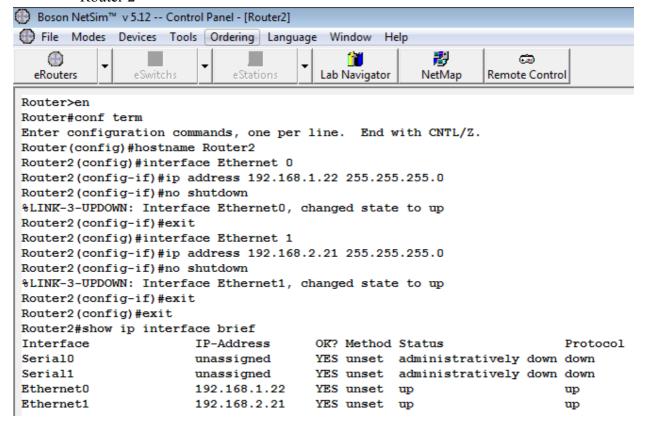
Hostname	Interface	IP	Keterangan	
Router1	Ethernet 0	192.168.1.21/24	Ke Router 2	
	Ethernet 1	192.168.4.22/24	Ke Router 4	
Router2	Ethernet 0	192.168.1.22/24	1.22/24 Ke Router 1	
	Ethernet 1	192.168.2.21/24	Ke Router 3	
Router3	Ethernet 0	192.168.3.21/24	Ke Router 4	
	Ethernet 1	192.168.2.22/24	Ke Router 2	
Router4	Ethernet 0	192.168.3.22/24	Ke Router 3	
	Ethernet 1	192.168.4.21/24	Ke Router 1	

2. Melakukan konfigurasi masing-masing router sehingga antar router bisa terhubung

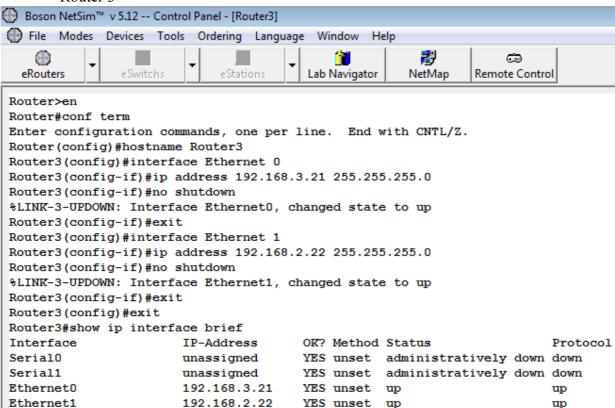
o Router 1



o Router 2



o Router 3



up

o Router 4

5 Router 4								
Boson NetSim™ v 5.12 Control Panel - [Router4]								
File Modes Devices Tools Ordering Language Window Help								
eRouters eSwitchs	▼ eStations ▼	Lab Navigator	NetMap	Remote Contro	ol			
Router>en Router#conf term Enter configuration commands, one per line. End with CNTL/Z.								
Router (config) #hostname Router4								
Router4(config)#interface Ethernet 0								
Router4(config-if)#ip address 192.168.3.22 255.255.255.0								
Router4(config-if)#no shutdown								
%LINK-3-UPDOWN: Interface Ethernet0, changed state to up								
Router4(config-if)#exit								
Router4(config)#interface Ethernet 1								
Router4(config-if)#ip address 192.168.4.21 255.255.255.0								
Router4(config-if)#no shutdown								
%LINK-3-UPDOWN: Interface Ethernet1, changed state to up								
Router4(config-if)#exit								
Router4 (config) #exit								
Router4#show ip interface brief								
Interface	IP-Address	OK? Method	Status		Protocol			
Serial0	unassigned	YES unset	administrat	ively down	down			
Serial1	unassigned	YES unset	administrat	ively down	down			
Ethernet0	192.168.3.22	YES unset	up		up			
Ethernet1	192.168.4.21	YES unset	up		up			

- 3. Melakukan tes koneksi antar router dengan menggunakan "ping"
 - Router 1 = Tes koneksi ke router 2: 192.168.1.22 & tes koneksi ke router 4: 192.168.4.21

Router1>ping 192.168.1.22

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.1.22, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
Router1>ping 192.168.4.21

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.4.21, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms

Router 2 = Tes koneksi ke router 1: 192.168.1.21 & tes koneksi ke router 3: 192.168.2.22

Router2>ping 192.168.22
% Unrecognized host or address, or protocol not running.

Router2>ping 192.168.1.21

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.21, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
Router2>ping 192.168.2.22

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.2.22, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms

Router 3 = Tes koneksi ke router 2: 192.168.2.21 & tes koneksi ke router 4: 192.168.3.22

Router3>ping 192.168.3.22

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.3.22, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
Router3>ping 192.168.2.21

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.2.21, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms

• Router 4 = Tes koneksi ke router 3: 192.168.3.21 & tes koneksi ke router 1: 192.168.4.22

Router4>ping 192.168.3.21

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.3.21, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms

Router4>ping 192.168.4.22

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.4.22, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms