

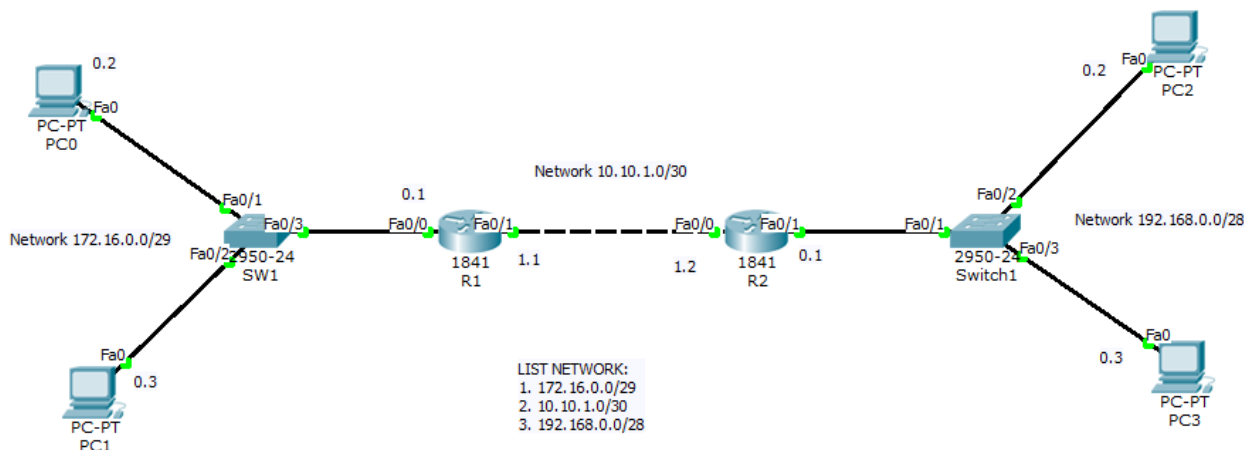
STATIC ROUTING

Oleh

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A. Skema Jaringan



B. Konfigurasi Dasar

a. Sebaran IP Address

Device	Interface	IP Address	Subnetmask	Gateway
PC0	Fa0	172.16.0.2	255.255.255.248	172.16.0.1
PC1	Fa0	172.16.0.3	255.255.255.248	172.16.0.1
R1	Fa0/0	172.16.0.1	255.255.255.248	
	Fa0/1	10.10.1.1	255.255.255.252	
R2	Fa0/0	10.10.1.2	255.255.255.252	
	Fa0/1	192.168.0.1	255.255.255.240	
PC2	Fa0	192.168.0.2	255.255.255.240	192.168.0.1
PC3	Fa0	192.168.0.3	255.255.255.240	192.168.0.1

b. Konfigurasi IP Address masing-masing PC sesuai tabel

c. Konfigurasi Dasar Router

Router R1

```
Router>en
Router#
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#Hostname R1
R1(config)#line vty 1 15
R1(config-line)#password cisco
R1(config-line)#login
R1(config-line)#exit
R1(config)#line con 0
R1(config-line)#password cisco
R1(config-line)#login
R1(config-line)#exit
R1(config)#
R1(config)#enable password class
R1(config)#enable secret class
R1(config)#
R1(config)#no ip domain-lookup
R1(config)#
R1(config)#banner motd %Selamat Datang di Router 1%
R1(config)#
```

Router R2

```
Router>en
Router#
Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#Hostname R2
R2(config)#line vty 1 15
R2(config-line)#password cisco
R2(config-line)#login
R2(config-line)#exit
R2(config)#line con 0
R2(config-line)#password cisco
R2(config-line)#login
R2(config-line)#exit
R2(config)#
R2(config)#enable password class
R2(config)#enable secret class
R2(config)#
R2(config)#no ip domain-lookup
R2(config)#
R2(config)#banner motd %Selamat Datang di Router 2%
R2(config)#
```

d. Konfigurasi IP Address Router 1

```
R1(config)#interface fa0/0
R1(config-if)#ip address 172.16.0.1 255.255.255.248
R1(config-if)#no sh
R1(config-if)#exit
R1(config)#
R1(config)#interface fa0/1
R1(config-if)#ip address 10.10.1.1 255.255.255.252
R1(config-if)#no sh
R1(config-if)#exit
R1(config)#
```

e. Konfigurasi IP Address Router 2

```
R2(config)#interface fa0/0
R2(config-if)#ip address 10.10.1.2 255.255.255.252
R2(config-if)#no sh
R2(config-if)#exit
R2(config)#
R2(config)#interface fa0/1
R2(config-if)#ip address 192.168.0.1 255.255.255.240
R2(config-if)#no sh
R2(config-if)#exit
R2(config)#
```

f. Konfigurasi Static Routing R1

```
R1(config)#ip route 192.168.0.0 255.255.255.240 fastEthernet 0/1
```

Atau

```
R1(config)#ip route 192.168.0.0 255.255.255.240 10.10.1.2
```

g. Konfigurasi Static Routing R2

```
R2(config)#ip route 172.16.0.0 255.255.255.248 fastEthernet 0/0
```

Atau

```
R2(config)#ip route 172.16.0.0 255.255.255.248 10.10.1.1
```

h. Testing jaringan

Ping dari PC0 ke Router Fa0/0

Ping dari PC0 ke PC2

Ping dari PC2 Ke PC1