

## Packet Tracer - VLSM -

1.

2.

3.

VLSM

IPv4-

/

(VLSM)  
VLSM

IP-

VLSM

(PTPM)

192.168.33.128/25. B  
IPv4.

VLSM

VLSM

IP-

BR2

1.

VLSM

192.168.33.128/25.

1.

/25? 126

? 80

? 6

2.

( , BR1 LAN

BR1-BR2)?

IP-

? BR1 LAN 40 hosts

? 62

?

192.168.33.128/26 192.168.33.192/26



■

IP-

? 25

? 30

,

192.168.33.192/27 192.168.33.224/27

•

■

- . BR2 IoT LAN 5 hosts

IP-

? 5

? 6

,

192.168.33.224/29 192.168.33.232/29 192.168.33.240/29 192.168.33.248/29

•

HVAC C2.

1

IP-

? 2

? 2

,

192.168.33.248/30 192.168.33.252/30

2. VLSM

VLSM.

1. , 1,

		/CIDR		
BR1 LAN	40	192.168.33.128/26	192.168.33.129	192.168.33.159
BR2 LAN	25	192.168.33.192/27	192.168.33.193	192.168.33.223
BR2 IoT LAN	5	192.168.33.224/29	192.168.33.225	192.168.33.231
BR2 CCTV LAN	4	192.168.33.232/29	192.168.33.233	192.168.33.239
BR2 HVAC C2LAN	4	192.168.33.240/29	192.168.33.241	192.168.33.247
BR1-BR2	2	192.168.33.248/30	192.168.33.249	192.168.33.251

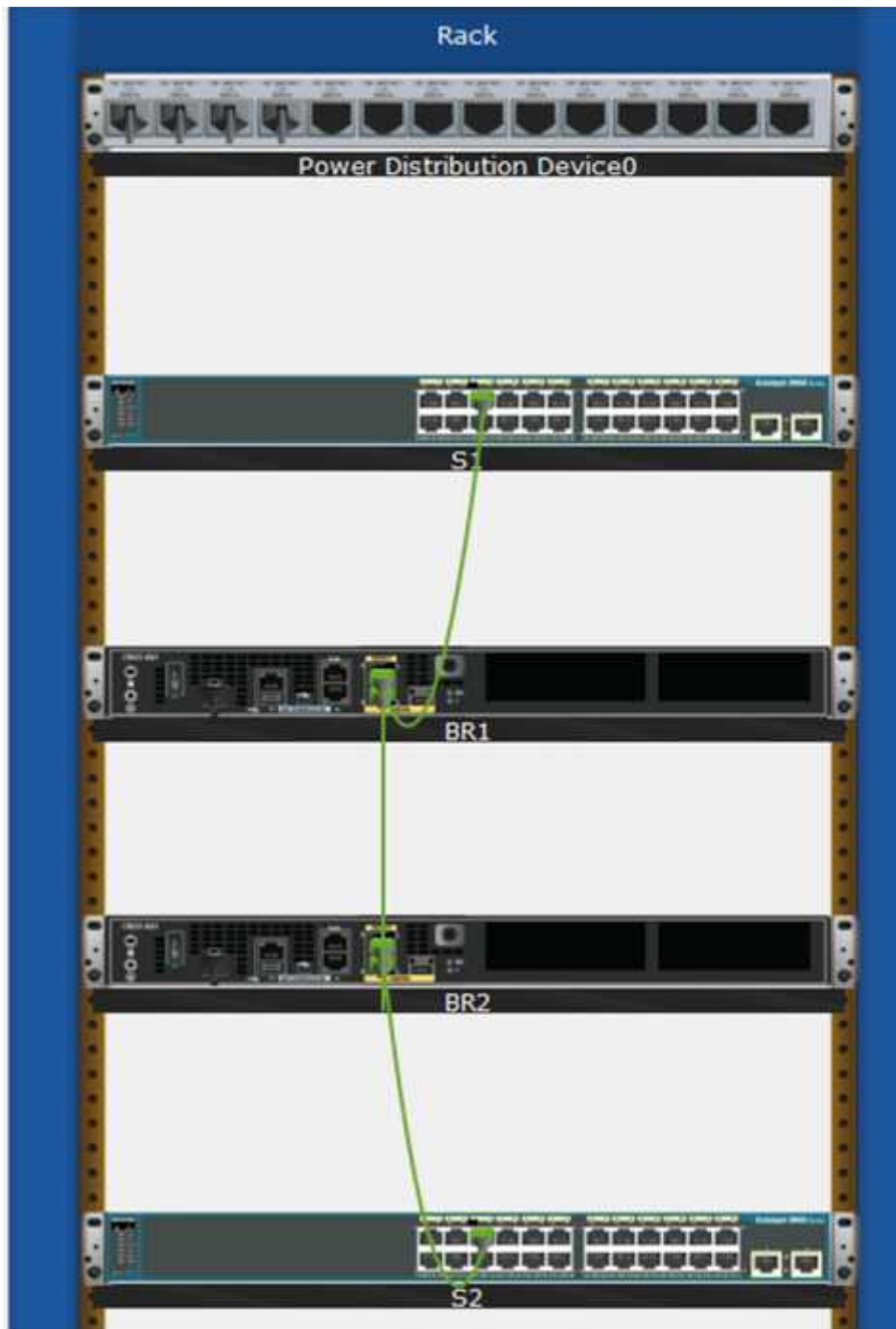
2. Ethernet. BR1  
BR1-BR2.

		IP-		
BR1	G0/0/0	192.168.33.249	/30	BR1-BR2
	G0/0/1	192.168.33.129	/26	40 LAN
BR2	G0/0/0	192.168.33.250	/30	BR1-BR2
	G0/0/1	192.168.33.193		25 LAN

3. IPv4-

VLSM, 2.

1.  
a.  
b.



2.

a.

PC

b.

PC

c.

d.

class

e.

cisco

- f.                    cisco                    VTY
- g.
- h.

```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname BR1
BR1(config)#hostname BR2
BR2(config)#enable secret class
BR2(config)#line console 0
BR2(config-line)#password cisco
BR2(config-line)#login
BR2(config-line)#exit
      ^
% Invalid input detected at '^' marker.

BR2(config-line)#exit
BR2(config)#line vty 0 4
BR2(config-line)#password cisco
BR2(config-line)#login
BR2(config-line)#exit
      ^
% Invalid input detected at '^' marker.

BR2(config-line)#ewxit
      ^
% Invalid input detected at '^' marker.

BR2(config-line)#exit
BR2(config)#service password-encryption
BR2(config)#banner motd "Warning"
BR2(config)#|
```



```
BR2#ping 192.168.33.249
```

```
Type escape sequence to abort.
```

```
Sending 5, 100-byte ICMP Echos to 192.168.33.249, timeout is 2 seconds:
```

```
!!!!
```

```
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/0/0 ms
```

C.

-

,

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-

LAN

GigabitEthernet

,

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GigabitEthernet

(up/up),

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VLSM

/30?