

## Packet Tracer - VLSM -

IP-

1. 2. 3.	VLSM IPv4-	
IP-	(VLSM) . VLSM	,
·	VLSM  192.168.33.128/25. B	, (PTPM) , VLSM IP
1. , 1.	, /25? 126	VLSM 192.168.33.128/25. •
2.	, ? 6 ( , BR1 LAN	? 80 BR1-BR2)?

? BR1 LAN 40 hosts

				? /26
		192.168.33.128/25	? 62	
	?	192.100.33.120/23		
192.168	.33.128/26 192.168.33.	192/26		7
_				
3.		BR2 LAN 25 hosts		
	IP-	5112 EAIN 25 110513	? 25	
			? 30	? /27
	_		,	
	?			7
192.168	.33.192/27 192.168.33.2	224/27		
4.				
		BR2 IoT LAN 5 hosts		
	IP-		? 5	? /29
			? 6	: 729
	?		,	
				?
192.168	.33.224/29 192.168.33.2	232/29 192.168.33.240/29 192.168	3.33.248/29	
		CCTV LAN.		
		HVAC	C2.	
5.				
	IP-	BR1-BR2	? 2	
			2.0	? /30
			? 2 ,	
	?			

?

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

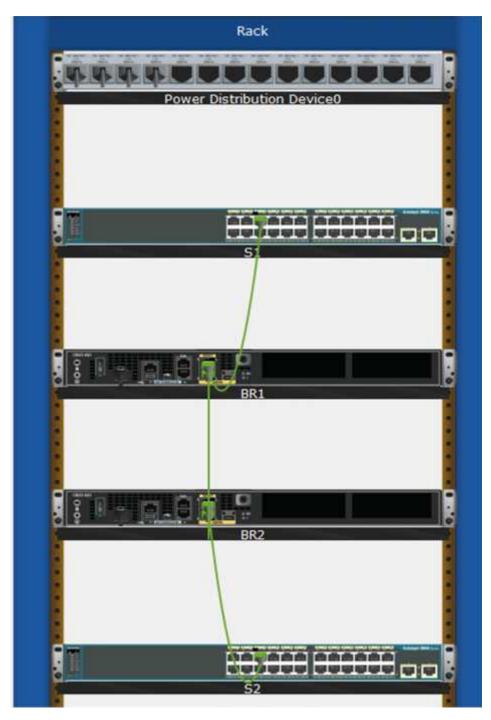
3. IPv4-

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) #eit
* 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) #eit
% 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) #
```

```
Router#config t
  Enter configuration commands, one per line. End with CNTL/Z.
  Router (config) #jhostname BR2
  BR2 (config) #ENEenable secret class
  BR2 (config) # line console 0
  BR2 (config-line) #password cisco
  BR2 (config-line) #login
  BR2(config-line) #exipassword loginlolline vty 0 4
  BR2 (config-line) #cisco
  % Invalid input detected at '^' marker.
  BR2 (config-line) #cicpassword cisco
  BR2 (config-line) #login
  BR2 (config-line) #sexit
  BR2 (config) #service password-encryption
  BR2 (config) #banner motd "WARNING"
  BR2 (config) #END
  BR2#
  %SYS-5-CONFIG I: Configured from console by console
  Building configuration ...
  [OK]
  BR2#
 3.
            IP-
a.
                             2.
b.
c.
 4.
 5.
     BR1,
                                          G0/0/0
                                                  BR2.
a.
    BR1#ping 192.168.33.250
    Type escape sequence to abort.
    Sending 5, 100-byte ICMP Echos to 192.168.33.250, timeout is 2 seconds:
    Success rate is 80 percent (4/5), round-trip min/avg/max = 0/0/0 ms
b.
    BR2,
                                          G0/0/0
                                                  BR1.
```

Router>enable

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. - ,

LAN GigabitEthernet
, GigabitEthernet
(up/up),

· VLSM

/30?