Vào tìm kiếm để tìm

# Router>enable

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#hostname DANANG

DANANG(config)#Banner motd #Connect: WAN 1 - WAN 3#

DANANG(config)#int g0/0

DANANG(config-if)#des + tab

DANANG(config-if)#description Connect to Nhanh 2

DANANG(config-if)#line console 0

DANANG(config-line)#password cisco@console

DANANG(config-line)#exit

DANANG(config)#line vty 1 3

DANANG(config-line)#password cisco@vty

DANANG(config-line)#exit

DANANG(config)#enable secret cisco@enable

DANANG(config)#exit

DANANG#copy run + tab

DANANG#copy running-config sta

DANANG#copy running-config startup-config

Destination filename [startup-config]?

Enter

Đặt ip cho DHCp DHCP=2; default gateway + 1; DNS + 4( THUỘC Nhánh 1-> .+4)

Vào service-> DHCP-> đặt poolname, default gate, DNS, note : start ip address(DANANG): +50

Maximum number of user : 100

ấn |add| -> service: on ->để tránh xung đột chọn xóa cũ từ phải sang trai điền 0 trừ poolname

Graphical user interface, application

Description automatically generated

# Bài Ktra

Ipv4: 220.221.0.0/24

N3: 200 h; N2: 150h;lp\_n2: 55; lp\_N3: 35; N1: 10; W3: 6, W2: 4; W1: 2

2n – 2 >= 200 -> 2n >= 202 => n = 8( chọn n =8)

Số bit mượn n= 32- 24-8=0

S1: 220.221.00000000.oooooooo /24-> N3

220.221.0.0 /24

255.255.255.0

2n - 2 >= 150 => 2n >=152 => n = 8

S2: 220.221.00000001.oooooooo/24-> N2

220.221.1.0 /24

255.255.255.0

S3: 220.221.00000010.oooooooo/24 ->

2n - 2 >= 55 => 2n >=57 => n = 6

Borrow bit: borrow= 32-24 – 6=2-> subnet= 22 = 4

S3.1:220.221.00000010.00oooooo/26 -> Lp\_N2

2n - 2 >= 35 => 2n >=37 => n = 6

220.221.2.0 /26

255.255.255.192(00: 192 là 27 + 26 )

S3.2: 220.221.0000010.01oooooo/26 -> Lp\_N3

220.221.2.64 /26

255.255.255.192(01: 192 là 27 + 26 )

S3.3: 220.221.0000010.10oooooo/26 ->

2n – 2 >= 10 => 2n > = 12=> n = 4

Borrow bit: =32- 24-4= 4=> subnet= 24 = 8

S3.3.1: 220.221.00000010.1000oooo/28-> N1

220.221.2.128 /28

255.255.255.240(1000 là 27 + 26 + 2^5+2^4 )

S3.3.1: 220.221.00000010.1001oooo/28->

2n – 2 >= 6 => 2n > = 8=> n = 3

B = 32 - 24 - 3 =5=> subnet = 2^5

S3.3.2.1: 220.221.00000010.10010ooo/29 -> W3

220.221.2.144 /29

255.255.255.248

S3.3.2.1: 220.221.00000010.10011ooo/29 ->W2

2n – 2 >= 4 => 2n > = 6=> n = 3

220.221.2.152 /29

255.255.255.248

S3.3.2.3: 220.221.00000010.10100ooo/29

2n – 2 >= 2 => 2n > = 4=> n = 2

Borrow = 32-24-2=6=> subnet = 2^6

S3.3.2.3.1: 220.221.00000010.101000oo/30 ->W1

220.221.2.160 /30

255.255.255.252

168. 86.100.200/16

Room 1: 155 host room 5: 3 host

Room 2: 55 host room 6: 2 host

Room 3: 255 host room 7: 2 host

Room 4: 127 host

BƯớc 1: sort from big to small

P 3: 255 host

P1 : 155 host

P4: 127

P8: 100

P2 : 55 host

P 5: 3 host

P6: 2

P7 : 2

168. 86.100.200/16

Bước 2: Xác định địa chỉ mạnh của Ip đã cho

186. 86.100.200/16 => 186.86.oooooooo.oooooooo/16

P3 : 255(Giả sử số bit còn lại cho máy là n bit thì n phải thỏa mãn:

2n- 2 >= 255 -> 2n >= 255 => n = 9(chọn n =9)

S0: 186.86.0000000o.oooooooo/23 - cho p3

S1: 186.86.0000001o.oooooooo/23 – cho p1

S2