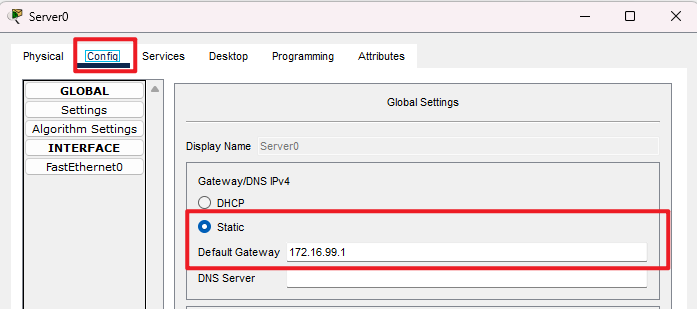
**都敲完是91分 关上又打开就是96分了**

**我又敲了一次是98 就差两个als的vtypassword和dls1 的time没得分哩**

**可能有漏复制的命令，如果有漏的分数点就在其他的设备里面搜相应的命令补上🥹**

**蓝色的得分是我第二次敲的时候记的，当时也有一些漏敲的命令所以如果敲到对应的部分分数比我少一定要检查有没有漏！！！！！！**

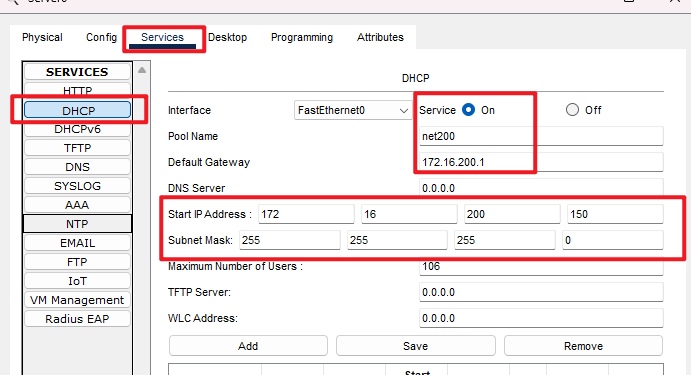
**DHCP Server**



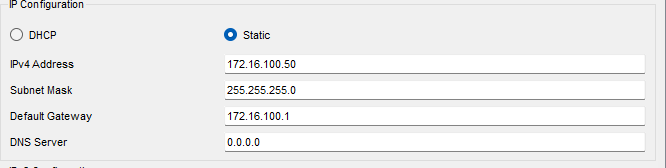
这里还有一个int f/0端口的配置

Ip 172.16.99.50

默认网关255.255.255.0



**hostA**按题目要求配置ip



**hostB D** 设置dhcp

**DLS1**

DLS1(config)#enable secret class

DLS1(config)#line vty 0 15

DLS1(config-line)#password cisco

DLS1(config-line)#login

DLS1(config)# clock timezone CST -6 23

DLS1(config)# ntp master 10

DLS1(config)# interface vlan 99

DLS1(config-if)# ip address 172.16.99.3 255.255.255.0

standby 99 ip 172.16.99.1

standby 99 priority 150

standby 99 preempt

DLS1(config)# interface vlan100

DLS1(config-if)# ip address 172.16.100.3 255.255.255.0

standby 100 ip 172.16.100.1

standby 100 priority 150

standby 100 preempt

DLS1(config)# interface vlan 200

DLS1(config-if)# ip address 172.16.200.3 255.255.255.0

standby 200 ip 172.16.200.1

standby 200 priority 100

standby 200 preempt

DLS1(config-if)# no shutdown

DLS1(config-if)# exit

DLS1(config)# vlan 666

DLS1(config-vlan)# name NATIVE\_DO\_NOT\_USE

DLS1(config-vlan)# exit

DLS1(config)# interface range fastethernet 0/7 - 12

DLS1(config-if-range)# switchport trunk encapsulation dot1q

DLS1(config-if-range)# switchport mode trunk

DLS1(config-if-range)# switchport trunk native vlan 666

DLS1(config-if-range)# switchport nonegotiate

DLS1(config-if-range)# no shut

DLS1(config-if-range)# exit

DLS1(config)# ip dhcp relay information trust-all

DLS1(config)# vtp mode server

DLS1(config)# vtp domain SWPOD

DLS1(config)# vtp version 2

29分

vlan 99

name Management

vlan 100

name STAFF

vlan 200

name STUDENTS

30分

DLS1(config)# spanning-tree vlan 99,100 root primary

DLS1(config)# spanning-tree vlan 200 root secondary

没跳

**DLS2**

DLS2(config)#enable secret class

DLS2(config)#line vty 0 15

DLS2(config-line)#password cisco

DLS2(config-line)#login

DLS2(config)# clock timezone CST -6 23

DLS2(config)# ntp server 172.16.99.3

DLS2(config)# interface vlan 99

DLS2(config-if)# ip address 172.16.99.4 255.255.255.0

standby 99 ip 172.16.99.1

standby 99 priority 100

standby 99 preempt

DLS2(config)# interface vlan100

DLS2(config-if)# ip address 172.16.100.4 255.255.255.0

standby 100 ip 172.16.99.1

standby 100 priority 100

standby 100 preempt

DLS2(config)# interface vlan 200

DLS2(config-if)# ip address 172.16.200.4 255.255.255.0

standby 200 ip 172.16.200.1

standby 200 priority 150

standby 200 preempt

36分

DLS2(config-if)# no shutdown

DLS2(config-if)# exit

DLS2(config)# vlan 666

DLS2(config-vlan)# name NATIVE\_DO\_NOT\_USE

DLS2(config-vlan)# exit

DLS2(config)# interface range fastethernet 0/7 - 12

DLS2(config-if-range)# switchport trunk encapsulation dot1q

DLS2(config-if-range)# switchport mode trunk

DLS2(config-if-range)# switchport trunk native vlan 666

DLS2(config-if-range)# switchport nonegotiate

DLS2(config-if-range)# no shut

DLS2(config-if-range)# exit

DLS2(config)# ip dhcp relay information trust-all

50分

DLS2(config)# vtp mode server

DLS2(config)# vtp domain SWPOD

DLS2(config)# vtp version 2

DLS2(config)# spanning-tree vlan 99,100 root secondary

DLS2(config)# spanning-tree vlan 200 root primary

51分

**ALS1**

ALS1(config)#enable secret class

ALS1(config)#ip default-gateway 172.16.99.1

ALS1(config)#line vty 0 15

ALS1(config-line)#password cisco

ALS1(config-line)#login

ALS1(config)# clock timezone CST -6 23

ALS1(config)# ntp server 172.16.99.3

ALS1 (config)# interface vlan 99

ALS1 (config-if)# ip address 172.16.99.5 255.255.255.0

ALS1(config)# interface range fastethernet f0/6, f0/15 – 24

ALS1(config-if-range)# switchport mode access

ALS1(config-if-range)# switchport access vlan 100

ALS1(config-if-range)# spanning-tree portfast

ALS1(config-if-range)# switchport port-security

ALS1(config-if-range)# switchport port-security maximum 2

ALS1(config-if-range)# switchport port-security mac-address sticky

60分

ALS1(config)# ip dhcp snooping

ALS1(config)# interface range fastethernet 0/7 - 10

ALS1(config-if-range)# ip dhcp snooping trust

ALS1(config-if-range)# exit

这里检查没得分的话就分开给检查点的端口再敲一次

ALS1(config)# interface range fastethernet 0/6, f0/15 - 24

ALS1(config-if-range)# ip dhcp snooping limit rate 20

ALS1(config-if-range)# exit

ALS1(config)# ip dhcp snooping vlan 100,200

ALS1 (config)# interface range fastethernet 0/7 - 10

ALS1 (config-if-range)# switchport mode trunk

ALS1 (config-if-range)# switchport trunk native vlan 666

ALS1 (config-if-range)# switchport nonegotiate

ALS1(config)# vtp mode client

ALS1(config)# vtp domain SWPOD

ALS1(config)# vtp version 2

68分

**ALS2**

ALS2(config)#enable secret class

ALS2(config)#ip default-gateway 172.16.99.1

ALS2(config)#line vty 0 15

ALS2(config-line)#password cisco

ALS2(config-line)#login

ALS2(config)# clock timezone CST -6 23

ALS2(config)# ntp server 172.16.99.3

ALS2 (config)# interface vlan 99

ALS2 (config-if)# ip address 172.16.99.6 255.255.255.0

ALS2(config)# interface range fastethernet f0/6, f0/15 – 24

ALS2(config-if-range)# switchport mode access

ALS2(config-if-range)# switchport access vlan 200

ALS2(config-if-range)# spanning-tree portfast

ALS2(config-if-range)# switchport port-security

ALS2(config-if-range)# switchport port-security maximum 2

ALS2(config-if-range)# switchport port-security mac-address sticky

ALS2(config)# ip dhcp snooping

ALS2(config)# interface range fastethernet 0/7 - 10

ALS2(config-if-range)# ip dhcp snooping trust

ALS2(config-if-range)# exit

ALS2(config)# interface range fastethernet 0/6, f0/15 - 24

ALS2(config-if-range)# ip dhcp snooping limit rate 20

ALS2(config-if-range)# exit

ALS2(config)# ip dhcp snooping vlan 100,200

ALS2 (config)# interface range fastethernet 0/7 – 10

ALS2 (config-if-range)# switchport mode trunk

ALS2 (config-if-range)# switchport trunk native vlan 666

ALS2 (config-if-range)# switchport nonegotiate

88分

ALS2(config)# vtp mode client

ALS2(config)# vtp domain SWPOD

ALS2(config)# vtp version 2

保险起见再复制一次配置

DLS1

DLS1#

%SYS-5-CONFIG\_I: Configured from console by console

show run

Building configuration...

Current configuration : 2627 bytes

!

version 12.2(46)SE

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname DLS1

!

!

enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1

!

ip dhcp relay information trust-all

!

!

!

clock timezone CST -6 23

!

!

!

ip routing

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree vlan 99-100 priority 24576

spanning-tree vlan 200 priority 28672

!

!

!

!

!

!

interface FastEthernet0/1

!

interface FastEthernet0/2

!

interface FastEthernet0/3

!

interface FastEthernet0/4

!

interface FastEthernet0/5

!

interface FastEthernet0/6

switchport access vlan 99

switchport mode access

spanning-tree portfast

!

interface FastEthernet0/7

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/8

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/9

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/10

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/11

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/12

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

!

interface FastEthernet0/16

!

interface FastEthernet0/17

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20

!

interface FastEthernet0/21

!

interface FastEthernet0/22

!

interface FastEthernet0/23

!

interface FastEthernet0/24

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan99

mac-address 000b.be32.7801

ip address 172.16.99.3 255.255.255.0

standby 99 ip 172.16.99.1

standby 99 preempt

!

interface Vlan100

mac-address 000b.be32.7802

ip address 172.16.100.3 255.255.255.0

standby 100 ip 172.16.100.1

standby 100 priority 150

standby 100 preempt

!

interface Vlan200

mac-address 000b.be32.7803

ip address 172.16.200.3 255.255.255.0

standby 200 ip 172.16.200.1

standby 200 preempt

!

ip classless

!

ip flow-export version 9

!

!

!

!

!

!

!

!

line con 0

!

line aux 0

!

line vty 0 4

password cisco

login

line vty 5 15

password cisco

login

!

!

!

ntp master 10

!

End

DLS2

DLS2#

%SYS-5-CONFIG\_I: Configured from console by console

showr un

^

% Invalid input detected at '^' marker.

DLS2#show run

Building configuration...

Current configuration : 2546 bytes

!

version 12.2(46)SE

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname DLS2

!

!

enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1

!

ip dhcp relay information trust-all

!

!

!

clock timezone CST -6 23

!

!

!

ip routing

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

spanning-tree mode pvst

spanning-tree vlan 200 priority 24576

spanning-tree vlan 99-100 priority 28672

!

!

!

!

!

!

interface FastEthernet0/1

!

interface FastEthernet0/2

!

interface FastEthernet0/3

!

interface FastEthernet0/4

!

interface FastEthernet0/5

!

interface FastEthernet0/6

!

interface FastEthernet0/7

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/8

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/9

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/10

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/11

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/12

switchport trunk native vlan 666

switchport trunk encapsulation dot1q

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

!

interface FastEthernet0/16

!

interface FastEthernet0/17

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20

!

interface FastEthernet0/21

!

interface FastEthernet0/22

!

interface FastEthernet0/23

!

interface FastEthernet0/24

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan99

mac-address 0001.4248.0501

ip address 172.16.99.4 255.255.255.0

standby 99 ip 172.16.99.1

standby 99 preempt

!

interface Vlan100

mac-address 0001.4248.0502

ip address 172.16.100.4 255.255.255.0

standby 100 ip 172.16.100.1

standby 0 preempt

!

interface Vlan200

mac-address 0001.4248.0503

ip address 172.16.200.4 255.255.255.0

standby 200 ip 172.16.200.1

standby 200 preempt

!

ip classless

!

ip flow-export version 9

!

!

!

no cdp run

!

!

!

!

!

!

line con 0

!

line aux 0

!

line vty 0 4

password cisco

login

line vty 5 15

password cisco

login

!

!

!

ntp server 172.16.99.3

!

End

ALS1

Current configuration : 3959 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname ALS1

!

enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1

!

!

!

clock timezone CST -6

!

!

!

ip dhcp snooping vlan 100,200

ip dhcp snooping

!

spanning-tree mode pvst

spanning-tree extend system-id

!

interface FastEthernet0/1

!

interface FastEthernet0/2

!

interface FastEthernet0/3

!

interface FastEthernet0/4

!

interface FastEthernet0/5

!

interface FastEthernet0/6

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0060.2F15.5810

spanning-tree portfast

!

interface FastEthernet0/7

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/8

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/9

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/10

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/11

!

interface FastEthernet0/12

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/16

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/17

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/18

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/19

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/20

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/21

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/22

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/23

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/24

switchport access vlan 100

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan99

ip address 172.16.99.5 255.255.255.0

!

ip default-gateway 172.16.99.1

!

!

!

!

line con 0

!

line vty 0 4

password cisco

login

line vty 5 15

password cisco

login

!

!

!

ntp server 172.16.99.3

!

End

ALS2

ALS2#

%SYS-5-CONFIG\_I: Configured from console by console

show run

Building configuration...

Current configuration : 3767 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname ALS2

!

enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1

!

!

!

!

!

ip dhcp snooping vlan 100,200

ip dhcp snooping

!

spanning-tree mode pvst

spanning-tree extend system-id

!

interface FastEthernet0/1

!

interface FastEthernet0/2

!

interface FastEthernet0/3

!

interface FastEthernet0/4

!

interface FastEthernet0/5

!

interface FastEthernet0/6

switchport access vlan 200

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0001.6304.A763

spanning-tree portfast

!

interface FastEthernet0/7

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/8

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/9

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/10

switchport trunk native vlan 666

ip dhcp snooping trust

switchport mode trunk

switchport nonegotiate

!

interface FastEthernet0/11

!

interface FastEthernet0/12

!

interface FastEthernet0/13

!

interface FastEthernet0/14

!

interface FastEthernet0/15

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/16

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/17

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/18

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/19

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/20

switchport access vlan 200

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0005.5E9B.334B

spanning-tree portfast

!

interface FastEthernet0/21

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/22

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/23

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface FastEthernet0/24

ip dhcp snooping limit rate 20

switchport mode access

switchport port-security

switchport port-security maximum 2

switchport port-security mac-address sticky

!

interface GigabitEthernet0/1

!

interface GigabitEthernet0/2

!

interface Vlan1

no ip address

shutdown

!

interface Vlan99

ip address 172.16.99.6 255.255.255.0

!

ip default-gateway 172.16.99.1

!

!

!

!

line con 0

!

line vty 0 4

password cisco

login

line vty 5 15

password cisco

login

!

!

!

ntp server 172.16.99.3

!