

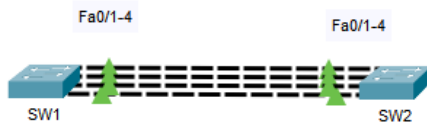
Started on	Tuesday, 4 April 2023, 11:02 AM
State	Finished
Completed on	Tuesday, 4 April 2023, 11:02 AM
Time taken	22 secs
Grade	0.00 out of 100.00

Question 1

Not answered

Marked out of 4.00

Care dintre următoarele seturi de comenzi nu realizează configurarea PAGP-ului? (Alegeți 3 răspunsuri)



- ☐ a. SW1: int range fa0/1-4
channel-group 1 mode on
SW2: int range fa0/1-4
channel-group 1 mode auto
- ☐ b. SW1: int range fa0/1-4
channel-group 1 mode active
SW2: int range fa0/1-4
channel-group 1 mode active
- ☐ c. SW1: int range fa0/1-4
channel-group 1 mode desirable
SW2: int range fa0/1-4
channel-group 1 mode auto
- ☐ d. SW1: int range fa0/1-4
channel-group 1 mode on
SW2: int range fa0/1-4
channel-group 1 mode desirable
- ☐ e. SW1: int range fa0/1-4
channel-group 1 mode desirable
SW2: int range fa0/1-4
channel-group 1 mode desirable
- ☐ f. SW1: int range fa0/1-4
channel-group 1 mode auto
SW2: int range fa0/1-4
channel-group 1 mode desirable

The correct answers are:

- SW1: int range fa0/1-4
channel-group 1 mode active
- SW2: int range fa0/1-4
channel-group 1 mode active,
- SW1: int range fa0/1-4
channel-group 1 mode on
- SW2: int range fa0/1-4
channel-group 1 mode desirable,
- SW1: int range fa0/1-4
channel-group 1 mode on
- SW2: int range fa0/1-4

channel-group 1 mode auto

Question 2

Not answered

Marked out of 4.00

Ce putem deduce din următoarea imagine ?

```
SW6#show port-security interface fa0/3
Port Security          : Disabled
Port Status            : Secure-down
Violation Mode         : Shutdown
Aging Time             : 0 mins
Aging Type             : Absolute
SecureStatic Address Aging : Disabled
Maximum MAC Addresses  : 50
Total MAC Addresses    : 0
Configured MAC Addresses : 0
Sticky MAC Addresses   : 0
Last Source Address:Vlan : 0000.0000.0000:0
Security Violation Count : 0

SW0#show etherchannel summary
Flags: D - down P - in port-channel
       I - stand-alone s - suspended
       H - Hot-standby (LACP only)
       R - Layer3 S - Layer2
       U - in use f - failed to allocate aggregator
       u - unsuitable for bundling
       w - waiting to be aggregated
       d - default port

Number of channel-groups in use: 2
Number of aggregators:          2

Group  Port-channel  Protocol    Ports
-----+-----+-----+-----
1      Po1(SU)        PAgP       Fa0/4(P) Fa0/5(P) Fa0/6(P)
3      Po3(SD)        LACP       Fa0/1(D) Fa0/2(D) Fa0/3(D)
```

- ☐ a. Toate porturile sunt pe default
- ☐ b. LACP are channel-group 3
- ☐ c. Port-channel 2 este up
- ☐ d. Comenzile se realizează pe switch de Layer 3
- ☐ e. Port-channel 3 este în folosință
- ☐ f. Numărul maxim de adrese MAC permise pe interfața FastEthernet0/3 este 50

The correct answers are:

LACP are channel-group 3,

Numărul maxim de adrese MAC permise pe interfața FastEthernet0/3 este 50

Question 3

Not answered

Marked out of 4.00

Ce Wildcard Mask are următorul IP: 101.111.11.2/15?

- ☐ a. 0.0.127.255
- ☐ b. 0.1.255.255
- ☐ c. 0.3.255.255
- ☐ d. 0.0.0.3
- ☐ e. 0.0.255.255
- ☐ f. 0.7.255.255

The correct answer is:

0.1.255.255

Question 4

Not answered

Marked out of 4.00

Care din următoarele reguli permit accesul tuturor IP-urilor din rețea? (Alegeți 2 răspunsuri)

- ☐ a. access-list 10 permit 0.0.0.0 255.255.255.255
- ☐ b. access-list 10 permit 132.128.1.1 0.0.0.0
- ☐ c. access-list 11 permit 192.148.11.11 0.0.0.255
- ☐ d. access-list 10 permit 20.20.16.20 0.0.15.255
- ☐ e. access-list 11 permit any
- ☐ f. access-list 11 permit host 111.124.23.1

The correct answers are:

access-list 10 permit 0.0.0.0 255.255.255.255,

access-list 11 permit any

Question 5

Not answered

Marked out of 4.00

În imaginea de mai jos este prezentată tabela de rutare a unui ruter. Către care next-hop va fi trimis un pachet de date cu adresa IP destinație 200.20.14.22?

```
121.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    121.120.20.0/24 is directly connected, GigabitEthernet0/0/0
L    121.120.20.1/32 is directly connected, GigabitEthernet0/0/0
144.152.0.0/24 is subnetted, 1 subnets
S    144.152.20.0/24 [1/0] via 192.168.0.2
145.152.0.0/24 is subnetted, 1 subnets
S    145.152.20.0/24 [1/0] via 172.168.0.2
145.153.0.0/24 is subnetted, 1 subnets
S    145.153.20.0/24 [1/0] via 168.172.0.2
168.172.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    168.172.0.0/30 is directly connected, Serial0/2/1
L    168.172.0.1/32 is directly connected, Serial0/2/1
172.168.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    172.168.0.0/30 is directly connected, Serial0/2/0
L    172.168.0.1/32 is directly connected, Serial0/2/0
182.192.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    182.192.0.0/30 is directly connected, Serial0/1/1
L    182.192.0.1/32 is directly connected, Serial0/1/1
192.168.0.0/24 is variably subnetted, 2 subnets, 2 masks
C    192.168.0.0/30 is directly connected, Serial0/1/0
L    192.168.0.1/32 is directly connected, Serial0/1/0
S    200.20.14.0/24 [1/0] via 182.192.0.2
```

- ☐ a. 172.168.0.2
- ☐ b. 101.107.0.1
- ☐ c. 168.172.0.2
- ☐ d. 182.192.0.2
- ☐ e. Nu există next-hop
- ☐ f. 192.168.0.2

The correct answer is:

182.192.0.2

Question 6

Not answered

Marked out of 4.00

Ce putem spune în cazul configurației de mai jos despre securitatea switch-ului atunci când este încălcată? (Alegeți 3 răspunsuri)

```
SW0#show port-security interface fa0/1
Port Security          : Disabled
Port Status            : Secure-down
Violation Mode         : Restrict
Aging Time             : 0 mins
Aging Type             : Absolute
SecureStatic Address Aging : Disabled
Maximum MAC Addresses  : 1
Total MAC Addresses    : 0
Configured MAC Addresses : 0
Sticky MAC Addresses   : 0
Last Source Address:Vlan : 0000.0000.0000:0
Security Violation Count : 0
```

- ☐ a. Nu forwardează traficul
- ☐ b. Forwardează traficul
- ☐ c. Crește counterul de încălcări
- ☐ d. Închide portul
- ☐ e. Afisează un mesaj de eroare
- ☐ f. Trimite mesaje de log

The correct answers are:

Nu forwardează traficul,

Trimite mesaje de log,

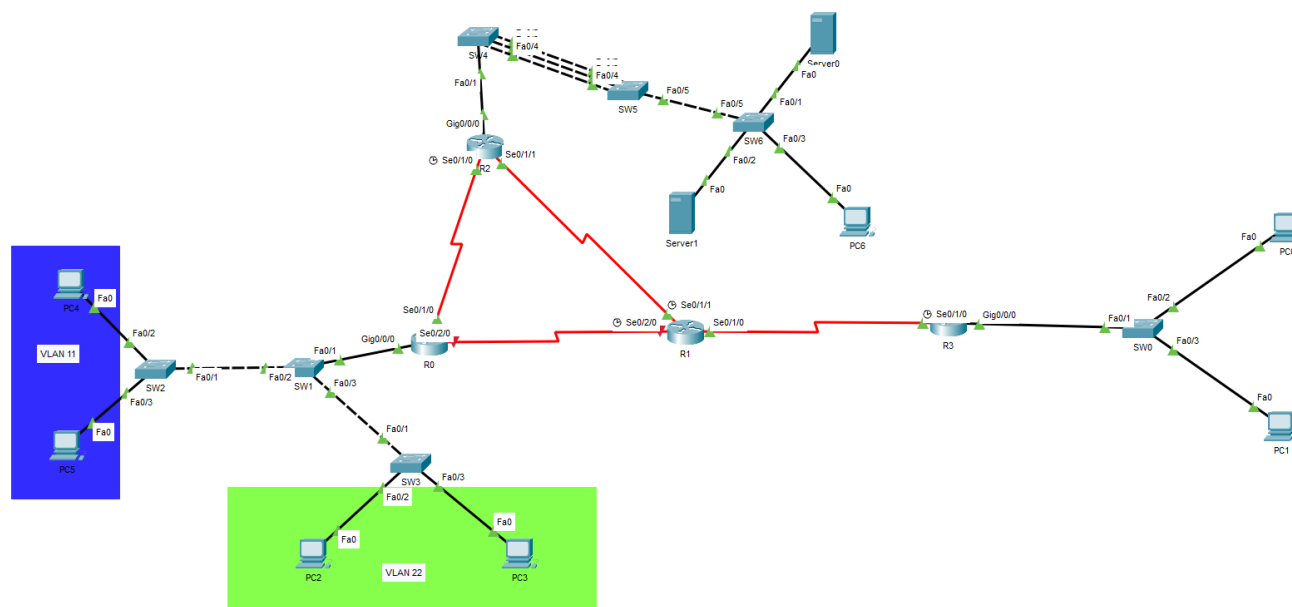
Crește counterul de încălcări

Question 7

Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la stația PC2 către PC6, însă acest mesaj nu ajunge la destinație. Care ar putea fi cauza acestei probleme?



R0

Physical Config **CLI** Attributes

IO:

```

interface GigabitEthernet0/0/0
  no ip address
  duplex auto
  speed auto
  !
interface GigabitEthernet0/0/0.11
  encapsulation dot1Q 11
  ip address 101.158.1.1 255.255.255.0
  !
interface GigabitEthernet0/0/0.22
  encapsulation dot1Q 33
  ip address 101.160.2.6 255.255.255.0
  !
interface GigabitEthernet0/0/1
  no ip address
  duplex auto
  speed auto
  shutdown
  !
interface GigabitEthernet0/0/2
  no ip address
  duplex auto
  speed auto
  shutdown
  !
interface Serial0/1/0
  ip address 10.10.10.5 255.255.255.252
  !
interface Serial0/1/1
  no ip address
  clock rate 2000000
  shutdown
  !
interface Serial0/2/0
  ip address 10.10.10.1 255.255.255.252
  clock rate 2000000
  shutdown
  !

```

```
R0#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

    10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C       10.10.10.4/30 is directly connected, Serial0/1/0
L       10.10.10.5/32 is directly connected, Serial0/1/0
O       10.10.10.8/30 [110/128] via 10.10.10.6, 00:14:43, Serial0/1/0
O       10.10.10.12/30 [110/192] via 10.10.10.6, 00:14:43, Serial0/1/0
    101.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C       101.158.1.0/24 is directly connected, GigabitEthernet0/0/0.11
L       101.158.1.1/32 is directly connected, GigabitEthernet0/0/0.11
C       101.160.2.0/24 is directly connected, GigabitEthernet0/0/0.22
L       101.160.2.6/32 is directly connected, GigabitEthernet0/0/0.22
    168.111.0.0/24 is subnetted, 1 subnets
O       168.111.1.0/24 [110/193] via 10.10.10.6, 00:14:43, Serial0/1/0
O       202.120.1.0/24 [110/65] via 10.10.10.6, 00:22:46, Serial0/1/0
```

```
R1#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

    10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
O       10.10.10.4/30 [110/128] via 10.10.10.10, 00:15:06, Serial0/1/1
C       10.10.10.8/30 is directly connected, Serial0/1/1
L       10.10.10.9/32 is directly connected, Serial0/1/1
C       10.10.10.12/30 is directly connected, Serial0/1/0
L       10.10.10.13/32 is directly connected, Serial0/1/0
    101.0.0.0/24 is subnetted, 2 subnets
O       101.158.1.0/24 [110/129] via 10.10.10.10, 00:15:06, Serial0/1/1
O       101.160.2.0/24 [110/129] via 10.10.10.10, 00:15:06, Serial0/1/1
    168.111.0.0/24 is subnetted, 1 subnets
O       168.111.1.0/24 [110/65] via 10.10.10.14, 00:23:14, Serial0/1/0
O       202.120.1.0/24 [110/65] via 10.10.10.10, 00:23:04, Serial0/1/1
```

```
R2#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

    10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
C       10.10.10.4/30 is directly connected, Serial0/1/0
L       10.10.10.6/32 is directly connected, Serial0/1/0
C       10.10.10.8/30 is directly connected, Serial0/1/1
L       10.10.10.10/32 is directly connected, Serial0/1/1
O       10.10.10.12/30 [110/128] via 10.10.10.9, 00:23:39, Serial0/1/1
    101.0.0.0/24 is subnetted, 2 subnets
O       101.158.1.0/24 [110/65] via 10.10.10.5, 00:23:39, Serial0/1/0
O       101.160.2.0/24 [110/65] via 10.10.10.5, 00:23:39, Serial0/1/0
    168.111.0.0/24 is subnetted, 1 subnets
O       168.111.1.0/24 [110/129] via 10.10.10.9, 00:23:39, Serial0/1/1
    202.120.1.0/24 is variably subnetted, 2 subnets, 2 masks
C       202.120.1.0/24 is directly connected, GigabitEthernet0/0/0
L       202.120.1.1/32 is directly connected, GigabitEthernet0/0/0
```

SW1

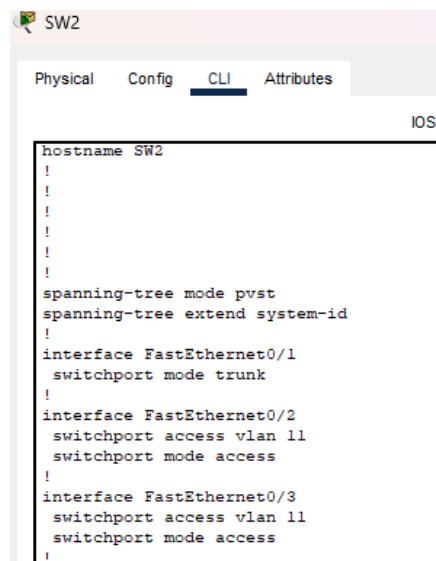
Physical Config CLI Attributes

IOS Command Line Interface

```
SW1#
*SYS-5-CONFIG_I: Configured from console by console
```

SW1#show vlan brief

VLAN Name	Status	Ports
1 default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
11 VLAN0011	active	
22 VLAN0022	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	



```
hostname SW2
!
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
  switchport mode trunk
!
interface FastEthernet0/2
  switchport access vlan 11
  switchport mode access
!
interface FastEthernet0/3
  switchport access vlan 11
  switchport mode access
!
```

- ☐ a. Vlan-urile nu sunt create corect pe SW1
- ☐ b. Portul Se0/1/1 pe R2 se află în modul shutdown
- ☐ c. Router-on-a-Stick este configurat greșit pe R0
- ☐ d. Portul Se0/2/0 pe R0 este în modul shutdown
- ☐ e. SW2 are modurile pe port configurate greșit
- ☐ f. Rutele statice nu sunt configurate corect pe R0

The correct answer is:

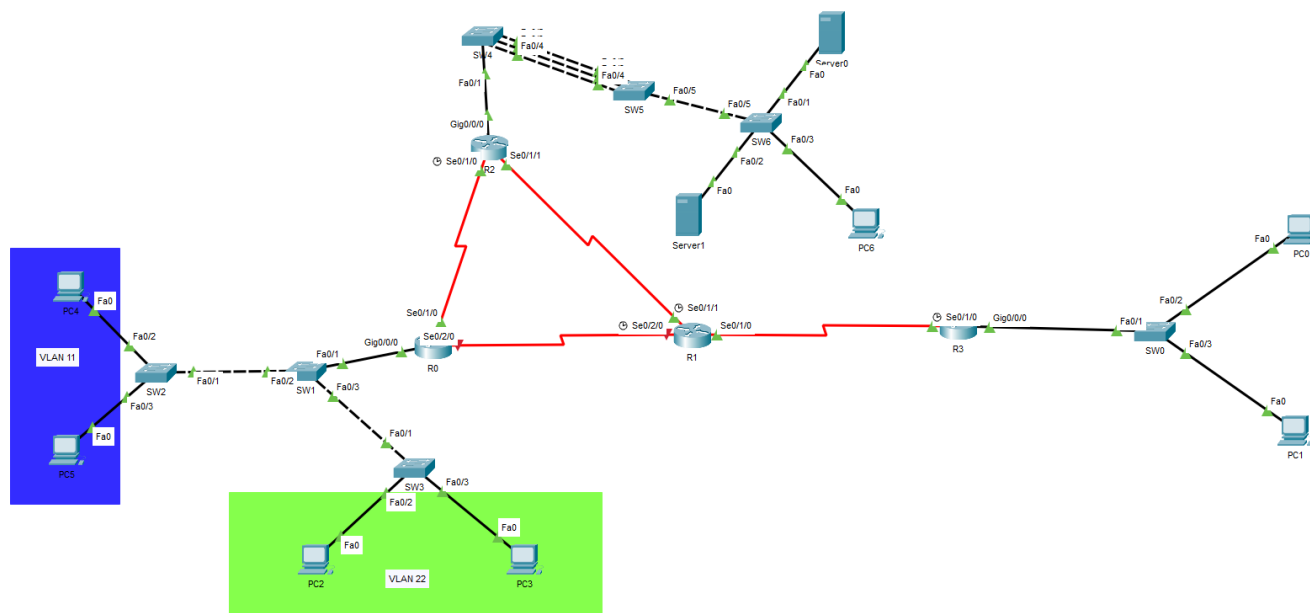
Router-on-a-Stick este configurat greșit pe R0

Question 8

Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la stația PC1 la PC4, însă acest mesaj nu ajunge la destinație. Care ar putea fi cauza acestei probleme?



```
R0#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
```

Gateway of last resort is not set

```
10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C    10.10.10.4/30 is directly connected, Serial0/1/0
L    10.10.10.5/32 is directly connected, Serial0/1/0
O    10.10.10.8/30 [110/128] via 10.10.10.6, 00:06:42, Serial0/1/0
O    10.10.10.12/30 [110/192] via 10.10.10.6, 00:06:42, Serial0/1/0
101.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C    101.158.1.0/24 is directly connected, GigabitEthernet0/0/0.11
L    101.158.1.1/32 is directly connected, GigabitEthernet0/0/0.11
C    101.160.2.0/24 is directly connected, GigabitEthernet0/0/0.22
L    101.160.2.1/32 is directly connected, GigabitEthernet0/0/0.22
168.111.0.0/24 is subnetted, 1 subnets
O    168.111.1.0/24 [110/193] via 10.10.10.6, 00:06:42, Serial0/1/0
O    202.120.1.0/24 [110/65] via 10.10.10.6, 00:21:09, Serial0/1/0
```

```
R1#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
```

Gateway of last resort is not set

```
10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
O    10.10.10.4/30 [110/128] via 10.10.10.10, 00:07:32, Serial0/1/1
C    10.10.10.8/30 is directly connected, Serial0/1/1
L    10.10.10.9/32 is directly connected, Serial0/1/1
C    10.10.10.12/30 is directly connected, Serial0/1/0
L    10.10.10.13/32 is directly connected, Serial0/1/0
101.0.0.0/24 is subnetted, 2 subnets
O    101.158.1.0/24 [110/129] via 10.10.10.10, 00:07:32, Serial0/1/1
O    101.160.2.0/24 [110/129] via 10.10.10.10, 00:07:32, Serial0/1/1
168.111.0.0/24 is subnetted, 1 subnets
O    168.111.1.0/24 [110/65] via 10.10.10.14, 00:21:54, Serial0/1/0
O    202.120.1.0/24 [110/65] via 10.10.10.10, 00:21:54, Serial0/1/1
```

```
R2#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```
10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
C    10.10.10.4/30 is directly connected, Serial0/1/0
L    10.10.10.6/32 is directly connected, Serial0/1/0
C    10.10.10.8/30 is directly connected, Serial0/1/1
L    10.10.10.10/32 is directly connected, Serial0/1/1
O    10.10.10.12/30 [110/128] via 10.10.10.9, 00:21:26, Serial0/1/1
101.0.0.0/24 is subnetted, 2 subnets
O    101.158.1.0/24 [110/65] via 10.10.10.5, 00:21:26, Serial0/1/0
O    101.160.2.0/24 [110/65] via 10.10.10.5, 00:21:26, Serial0/1/0
168.111.0.0/24 is subnetted, 1 subnets
O    168.111.1.0/24 [110/129] via 10.10.10.9, 00:21:26, Serial0/1/1
202.120.1.0/24 is variably subnetted, 2 subnets, 2 masks
C    202.120.1.0/24 is directly connected, GigabitEthernet0/0/0
L    202.120.1.1/32 is directly connected, GigabitEthernet0/0/0
```

```
R3#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```
10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
O    10.10.10.4/30 [110/192] via 10.10.10.13, 00:08:02, Serial0/1/0
O    10.10.10.8/30 [110/128] via 10.10.10.13, 00:22:24, Serial0/1/0
C    10.10.10.12/30 is directly connected, Serial0/1/0
L    10.10.10.14/32 is directly connected, Serial0/1/0
101.0.0.0/24 is subnetted, 2 subnets
O    101.158.1.0/24 [110/193] via 10.10.10.13, 00:08:02, Serial0/1/0
O    101.160.2.0/24 [110/193] via 10.10.10.13, 00:08:02, Serial0/1/0
168.111.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    168.111.1.0/24 is directly connected, GigabitEthernet0/0/0
L    168.111.1.1/32 is directly connected, GigabitEthernet0/0/0
O    202.120.1.0/24 [110/129] via 10.10.10.13, 00:22:24, Serial0/1/0
```

SW1#show vlan brief

VLAN	Name	Status	Ports
1	default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

SW2#show interfaces status

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	trunk	auto	auto	10/100BaseTX
Fa0/2		connected	11	auto	auto	10/100BaseTX
Fa0/3		connected	trunk	auto	auto	10/100BaseTX
Fa0/4		notconnect	1	auto	auto	10/100BaseTX
Fa0/5		notconnect	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX
Fa0/8		notconnect	1	auto	auto	10/100BaseTX
Fa0/9		notconnect	1	auto	auto	10/100BaseTX
Fa0/10		notconnect	1	auto	auto	10/100BaseTX
Fa0/11		notconnect	1	auto	auto	10/100BaseTX
Fa0/12		notconnect	1	auto	auto	10/100BaseTX
Fa0/13		notconnect	1	auto	auto	10/100BaseTX
Fa0/14		notconnect	1	auto	auto	10/100BaseTX
Fa0/15		notconnect	1	auto	auto	10/100BaseTX
Fa0/16		notconnect	1	auto	auto	10/100BaseTX
Fa0/17		notconnect	1	auto	auto	10/100BaseTX
Fa0/18		notconnect	1	auto	auto	10/100BaseTX
Fa0/19		notconnect	1	auto	auto	10/100BaseTX
Fa0/20		notconnect	1	auto	auto	10/100BaseTX
Fa0/21		notconnect	1	auto	auto	10/100BaseTX
..						

```
SW3#show int status
Port      Name      Status      Vlan      Duplex  Speed  Type
Fa0/1     Name      connected   trunk     auto    auto   10/100BaseTX
Fa0/2     connected 22         auto    auto   10/100BaseTX
Fa0/3     connected 22         auto    auto   10/100BaseTX
Fa0/4     notconnect 1          auto    auto   10/100BaseTX
Fa0/5     notconnect 1          auto    auto   10/100BaseTX
Fa0/6     notconnect 1          auto    auto   10/100BaseTX
Fa0/7     notconnect 1          auto    auto   10/100BaseTX
Fa0/8     notconnect 1          auto    auto   10/100BaseTX
Fa0/9     notconnect 1          auto    auto   10/100BaseTX
Fa0/10    notconnect 1          auto    auto   10/100BaseTX
Fa0/11    notconnect 1          auto    auto   10/100BaseTX
Fa0/12    notconnect 1          auto    auto   10/100BaseTX
Fa0/13    notconnect 1          auto    auto   10/100BaseTX
Fa0/14    notconnect 1          auto    auto   10/100BaseTX
Fa0/15    notconnect 1          auto    auto   10/100BaseTX
Fa0/16    notconnect 1          auto    auto   10/100BaseTX
Fa0/17    notconnect 1          auto    auto   10/100BaseTX
Fa0/18    notconnect 1          auto    auto   10/100BaseTX
Fa0/19    notconnect 1          auto    auto   10/100BaseTX
Fa0/20    notconnect 1          auto    auto   10/100BaseTX
Fa0/21    notconnect 1          auto    auto   10/100BaseTX
```

```
SW1#show interfaces trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/1     on        802.1q         trunking    1
Fa0/2     on        802.1q         trunking    1
Fa0/3     on        802.1q         trunking    1

Port      Vlans allowed on trunk
Fa0/1     1-1005
Fa0/2     1-1005
Fa0/3     1-1005

Port      Vlans allowed and active in management domain
Fa0/1     1
Fa0/2     1
Fa0/3     1

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/1     1
Fa0/2     1
Fa0/3     1
```

- ☐ a. SW1 nu este configurat corect
- ☐ b. SW3 nu este configurat corect
- ☐ c. SW2 nu este configurat corect
- ☐ d. R0 are portul Se0/2/0 shutdown
- ☐ e. R1 are portul Se0/2/0 shutdown
- ☐ f. R0 nu are rutele statice configurate corect

The correct answer is:

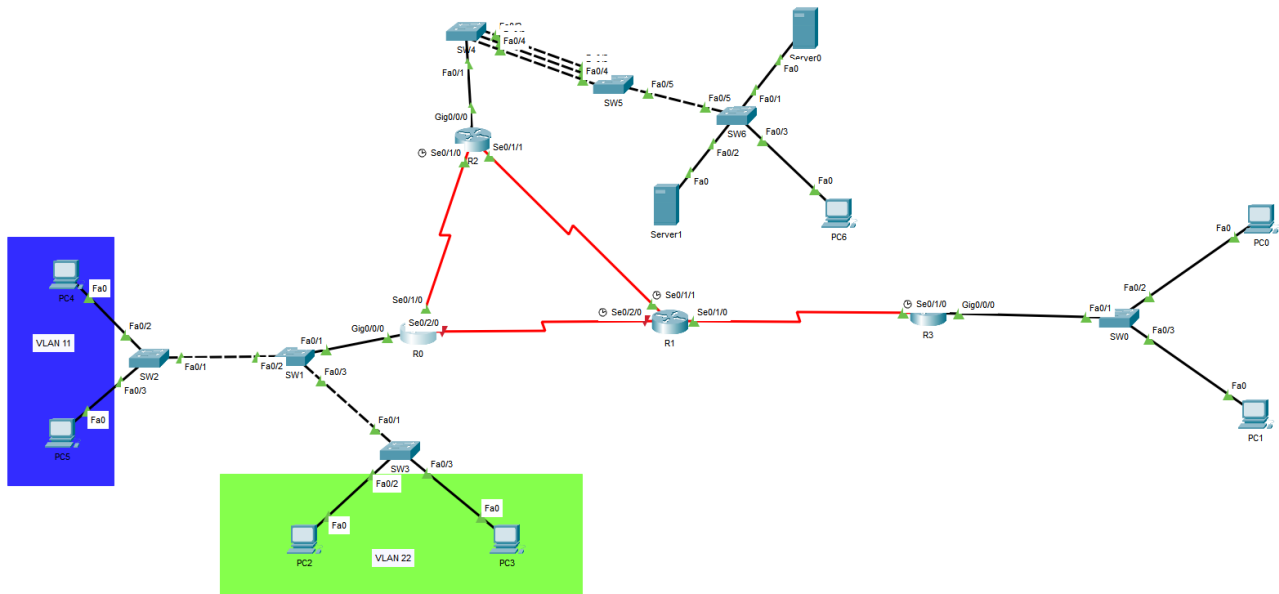
SW1 nu este configurat corect

Question 9

Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la stația PC2 la PC1. Ce putem să spunem despre transmiterea pachetului?



```
R0#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

 10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C    10.10.10.4/30 is directly connected, Serial0/1/0
L    10.10.10.5/32 is directly connected, Serial0/1/0
O    10.10.10.8/30 [110/128] via 10.10.10.6, 00:01:07, Serial0/1/0
O    10.10.10.12/30 [110/192] via 10.10.10.6, 00:01:07, Serial0/1/0
 101.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C    101.158.1.0/24 is directly connected, GigabitEthernet0/0/0.11
L    101.158.1.1/32 is directly connected, GigabitEthernet0/0/0.11
C    101.160.2.0/24 is directly connected, GigabitEthernet0/0/0.22
L    101.160.2.1/32 is directly connected, GigabitEthernet0/0/0.22
 168.111.0.0/24 is subnetted, 1 subnets
O    168.111.1.0/24 [110/193] via 10.10.10.6, 00:01:07, Serial0/1/0
O    202.120.1.0/24 [110/65] via 10.10.10.6, 00:25:11, Serial0/1/0
```

```

R0
Physical Config CLI Attributes
IOS Command Line Interface
!
!
interface GigabitEthernet0/0/0
no ip address
duplex auto
speed auto
!
interface GigabitEthernet0/0/0.11
encapsulation dot1Q 11
ip address 101.158.1.1 255.255.255.0
!
interface GigabitEthernet0/0/0.22
encapsulation dot1Q 22
ip address 101.160.2.1 255.255.255.0
!
interface GigabitEthernet0/0/1
no ip address
duplex auto
speed auto
shutdown
!
interface GigabitEthernet0/0/2
no ip address
duplex auto
speed auto
shutdown
!
interface Serial0/1/0
ip address 10.10.10.5 255.255.255.252
!
interface Serial0/1/1
no ip address
clock rate 2000000
shutdown
!

R1#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
O 10.10.10.4/30 [110/128] via 10.10.10.10, 00:00:33, Serial0/1/1
C 10.10.10.8/30 is directly connected, Serial0/1/1
L 10.10.10.9/32 is directly connected, Serial0/1/1
C 10.10.10.12/30 is directly connected, Serial0/1/0
L 10.10.10.13/32 is directly connected, Serial0/1/0
101.0.0.0/24 is subnetted, 2 subnets
O 101.158.1.0/24 [110/129] via 10.10.10.10, 00:00:33, Serial0/1/1
O 101.160.2.0/24 [110/129] via 10.10.10.10, 00:00:33, Serial0/1/1
168.111.0.0/24 is subnetted, 1 subnets
O 168.111.1.0/24 [110/65] via 10.10.10.14, 00:24:32, Serial0/1/0
O 202.120.1.0/24 [110/65] via 10.10.10.10, 00:24:32, Serial0/1/1

SW1#show interfaces status
Port Name Status Vlan Duplex Speed Type
Fa0/1 connected trunk auto auto 10/100BaseTX
Fa0/2 connected trunk auto auto 10/100BaseTX
Fa0/3 connected trunk auto auto 10/100BaseTX
Fa0/4 connected trunk auto auto 10/100BaseTX

SW1#show vlan

VLAN Name Status Ports
-----
1 default active Fa0/4, Fa0/5, Fa0/6, Fa0/7
Fa0/8, Fa0/9, Fa0/10, Fa0/11
Fa0/12, Fa0/13, Fa0/14, Fa0/15
Fa0/16, Fa0/17, Fa0/18, Fa0/19
Fa0/20, Fa0/21, Fa0/22, Fa0/23
Fa0/24, Gig0/1, Gig0/2

11 VLAN0011 active
22 VLAN0022 active
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active

VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrgdMode Transl Trans2
-----
1 enet 100001 1500 - - - - - 0 0
11 enet 100011 1500 - - - - - 0 0
22 enet 100022 1500 - - - - - 0 0
1002 fddi 101002 1500 - - - - - 0 0
1003 tr 101003 1500 - - - - - 0 0
1004 fdnet 101004 1500 - - - ieee - 0 0
1005 trnet 101005 1500 - - - ibm - 0 0

```

```
SW3#show running-config
Building configuration...

Current configuration : 1202 bytes
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname SW3
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
 switchport mode trunk
!
interface FastEthernet0/2
 switchport access vlan 22
 switchport mode access
!
interface FastEthernet0/3
 switchport access vlan 22
 switchport mode access
!
```

- ☐ a. SW3 nu are porturile configurate în modul corespunzător
- ☐ b. Router-on-a-Stick nu este configurat corect pe R0
- ☐ c. Nu se poate realiza deoarece R0 nu are rutele statice configurate corect
- ☐ d. SW1 nu este configurat corect
- ☐ e. Nu se poate realiza deoarece ruta statică configurată pe R0 are next-hop portul Se0/2/0 de pe router R1
- ☐ f. Se realizează cu succes

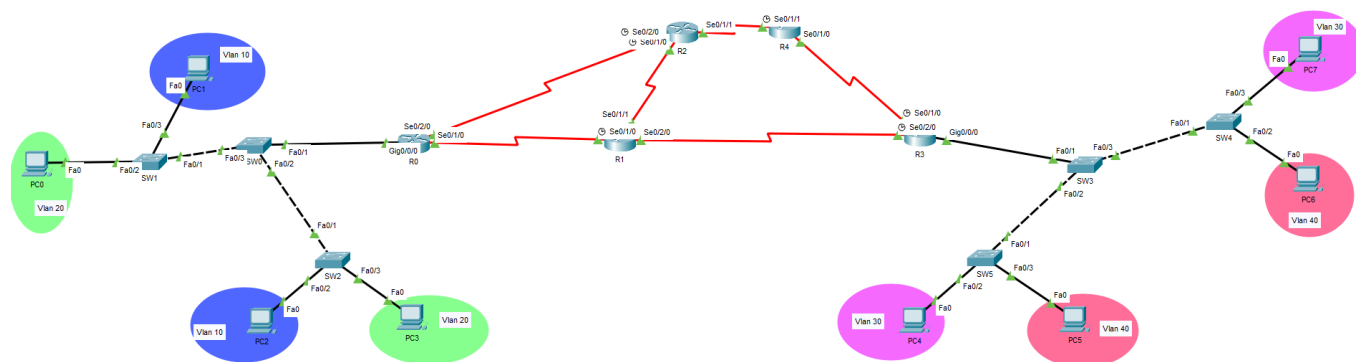
The correct answer is:

Se realizează cu succes

Not answered

Marked out of 4.00

În cazul topologiei următoare se poate realiza transmiterea un mesaj de la PC0 la PC6. Dacă oprim toate porturile Ruterului R1, se mai poate transmite un mesaj de la PC0 la PC6 ?



```
R0#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       I - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```

10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C   10.10.10.0/30 is directly connected, Serial0/1/0
L   10.10.10.1/32 is directly connected, Serial0/1/0
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C   20.20.20.0/30 is directly connected, Serial0/2/0
L   20.20.20.1/32 is directly connected, Serial0/2/0
30.0.0.0/30 is subnetted, 1 subnets
S   30.30.30.0/30 [1/0] via 10.10.10.2
40.0.0.0/30 is subnetted, 1 subnets
S   40.40.40.0/30 [1/0] via 10.10.10.2
50.0.0.0/30 is subnetted, 1 subnets
S   50.50.50.0/30 [1/0] via 20.20.20.2
60.0.0.0/30 is subnetted, 1 subnets
S   60.60.60.0/30 [1/0] via 20.20.20.2
125.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C   125.135.121.0/24 is directly connected, GigabitEthernet0/0/0.10
L   125.135.121.1/32 is directly connected, GigabitEthernet0/0/0.10
132.142.0.0/16 is variably subnetted, 2 subnets, 2 masks
C   132.142.152.0/24 is directly connected, GigabitEthernet0/0/0.20
L   132.142.152.1/32 is directly connected, GigabitEthernet0/0/0.20
134.124.0.0/24 is subnetted, 1 subnets
S   134.124.202.0/24 [1/0] via 20.20.20.2
156.122.0.0/24 is subnetted, 1 subnets
S   156.122.144.0/24 [1/0] via 20.20.20.2

```

```
R1#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```

10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    10.10.10.0/30 is directly connected, Serial0/1/0
L    10.10.10.2/32 is directly connected, Serial0/1/0
20.0.0.0/30 is subnetted, 1 subnets
S    20.20.20.0/30 [1/0] via 10.10.10.1
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    30.30.30.0/30 is directly connected, Serial0/1/1
L    30.30.30.1/32 is directly connected, Serial0/1/1
40.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    40.40.40.0/30 is directly connected, Serial0/2/0
L    40.40.40.1/32 is directly connected, Serial0/2/0
50.0.0.0/30 is subnetted, 1 subnets
S    50.50.50.0/30 [1/0] via 30.30.30.2
60.0.0.0/30 is subnetted, 1 subnets
S    60.60.60.0/30 [1/0] via 40.40.40.2
125.0.0.0/24 is subnetted, 1 subnets
S    125.135.121.0/24 [1/0] via 10.10.10.1
132.142.0.0/24 is subnetted, 1 subnets
S    132.142.152.0/24 [1/0] via 10.10.10.1
134.124.0.0/24 is subnetted, 1 subnets
S    134.124.202.0/24 [1/0] via 40.40.40.2
156.122.0.0/24 is subnetted, 1 subnets
S    156.122.144.0/24 [1/0] via 40.40.40.2
```

```
R2#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```

10.0.0.0/30 is subnetted, 1 subnets
S    10.10.10.0/30 [1/0] via 30.30.30.1
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    20.20.20.0/30 is directly connected, Serial0/2/0
L    20.20.20.2/32 is directly connected, Serial0/2/0
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    30.30.30.0/30 is directly connected, Serial0/1/0
L    30.30.30.2/32 is directly connected, Serial0/1/0
40.0.0.0/30 is subnetted, 1 subnets
S    40.40.40.0/30 [1/0] via 30.30.30.1
50.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    50.50.50.0/30 is directly connected, Serial0/1/1
L    50.50.50.1/32 is directly connected, Serial0/1/1
60.0.0.0/30 is subnetted, 1 subnets
S    60.60.60.0/30 [1/0] via 50.50.50.2
125.0.0.0/24 is subnetted, 1 subnets
S    125.135.121.0/24 [1/0] via 20.20.20.1
132.142.0.0/24 is subnetted, 1 subnets
S    132.142.152.0/24 [1/0] via 20.20.20.1
134.124.0.0/24 is subnetted, 1 subnets
S    134.124.202.0/24 [1/0] via 50.50.50.2
156.122.0.0/24 is subnetted, 1 subnets
S    156.122.144.0/24 [1/0] via 50.50.50.2
```

```
R3#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
        * - candidate default, U - per-user static route, o - ODR
        P - periodic downloaded static route
```

Gateway of last resort is not set

```

10.0.0.0/30 is subnetted, 1 subnets
S    10.10.10.0/30 [1/0] via 40.40.40.1
20.0.0.0/30 is subnetted, 1 subnets
S    20.20.20.0/30 [1/0] via 60.60.60.1
30.0.0.0/30 is subnetted, 1 subnets
S    30.30.30.0/30 [1/0] via 40.40.40.1
40.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    40.40.40.0/30 is directly connected, Serial0/2/0
L    40.40.40.2/32 is directly connected, Serial0/2/0
50.0.0.0/30 is subnetted, 1 subnets
S    50.50.50.0/30 [1/0] via 60.60.60.1
60.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    60.60.60.0/30 is directly connected, Serial0/1/0
L    60.60.60.2/32 is directly connected, Serial0/1/0
125.0.0.0/24 is subnetted, 1 subnets
S    125.135.121.0/24 [1/0] via 60.60.60.1
132.142.0.0/24 is subnetted, 1 subnets
S    132.142.152.0/24 [1/0] via 60.60.60.1
134.124.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    134.124.202.0/24 is directly connected, GigabitEthernet0/0/0.40
L    134.124.202.1/32 is directly connected, GigabitEthernet0/0/0.40
156.122.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    156.122.144.0/24 is directly connected, GigabitEthernet0/0/0.30
L    156.122.144.1/32 is directly connected, GigabitEthernet0/0/0.30
```

```
R4#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
        * - candidate default, U - per-user static route, o - ODR
        P - periodic downloaded static route
```

Gateway of last resort is not set

```

10.0.0.0/30 is subnetted, 1 subnets
S    10.10.10.0/30 [1/0] via 50.50.50.1
20.0.0.0/30 is subnetted, 1 subnets
S    20.20.20.0/30 [1/0] via 50.50.50.1
30.0.0.0/30 is subnetted, 1 subnets
S    30.30.30.0/30 [1/0] via 50.50.50.1
40.0.0.0/30 is subnetted, 1 subnets
S    40.40.40.0/30 [1/0] via 60.60.60.2
50.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    50.50.50.0/30 is directly connected, Serial0/1/1
L    50.50.50.2/32 is directly connected, Serial0/1/1
60.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C    60.60.60.0/30 is directly connected, Serial0/1/0
L    60.60.60.1/32 is directly connected, Serial0/1/0
125.0.0.0/24 is subnetted, 1 subnets
S    125.135.121.0/24 [1/0] via 50.50.50.1
132.142.0.0/24 is subnetted, 1 subnets
S    132.142.152.0/24 [1/0] via 50.50.50.1
134.124.0.0/24 is subnetted, 1 subnets
S    134.124.202.0/24 [1/0] via 60.60.60.2
156.122.0.0/24 is subnetted, 1 subnets
S    156.122.144.0/24 [1/0] via 60.60.60.2
```

- ☐ a. Nu, deoarece rutele statice de pe R4 au ca next-hop portul oprit de pe R1
- ☐ b. Nu, deoarece rutele statice de pe R0 au ca next-hop portul oprit de pe R1
- ☐ c. Nu, deoarece ruta R3-R1-R2 nu se mai poate realiza
- ☐ d. Nu, deoarece rutele statice de pe R2 au ca next-hop portul oprit de pe R1
- ☐ e. Nu, deoarece rutele statice de pe R3 au ca next-hop portul oprit de pe R1
- ☐ f. Da, deoarece nu influențează cu nimic

The correct answer is:

Da, deoarece nu influențează cu nimic

Question 11

Not answered

Marked out of 4.00

Conform comenzii următoare ne dăm seama că:

```
Switch#show etherchannel summary
Flags:  D - down          P - in port-channel
        I - stand-alone  s - suspended
        H - Hot-standby (LACP only)
        R - Layer3       S - Layer2
        U - in use       f - failed to allocate aggregator
        u - unsuitable for bundling
        w - waiting to be aggregated
        d - default port

Number of channel-groups in use: 2
Number of aggregators:          2

Group  Port-channel  Protocol    Ports
-----+-----+-----+-----
1      Po1 (SU)          PAgP       Fa0/1 (P) Fa0/2 (D) Fa0/3 (P) Fa0/4 (P)
2      Po2 (SU)          LACP       Fa0/5 (P) Fa0/6 (D) Fa0/7 (P) Fa0/8 (P)
```

- ☐ a. Pe Fa0/5-8 avem PAgP
- ☐ b. Portul Fa0/6 este oprit
- ☐ c. Pe Fa0/1-5 avem PAgP
- ☐ d. Portul Fa0/2 și Fa0/3 sunt oprite
- ☐ e. Pe Fa0/4-8 avem LACP
- ☐ f. Pe Fa0/1-3 avem LACP

The correct answer is:

Portul Fa0/6 este oprit


```
R1#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```
174.140.0.0/16 is variably subnetted, 15 subnets, 5 masks
S    174.140.0.0/25 [1/0] via 174.140.2.97
S    174.140.0.128/25 [1/0] via 174.140.2.97
S    174.140.1.0/26 [1/0] via 174.140.2.102
S    174.140.1.64/26 [1/0] via 174.140.2.102
S    174.140.1.192/26 [1/0] via 174.140.2.106
S    174.140.2.0/26 [1/0] via 174.140.2.110
S    174.140.2.64/27 [1/0] via 174.140.2.110
C    174.140.2.96/30 is directly connected, Serial0/1/0
L    174.140.2.98/32 is directly connected, Serial0/1/0
C    174.140.2.100/30 is directly connected, Serial0/2/0
L    174.140.2.101/32 is directly connected, Serial0/2/0
C    174.140.2.104/30 is directly connected, Serial0/1/1
L    174.140.2.105/32 is directly connected, Serial0/1/1
C    174.140.2.108/30 is directly connected, Serial0/2/1
L    174.140.2.109/32 is directly connected, Serial0/2/1
```

```
R2#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```
174.140.0.0/16 is variably subnetted, 15 subnets, 5 masks
S    174.140.0.0/25 [1/0] via 174.140.2.105
S    174.140.0.128/25 [1/0] via 174.140.2.105
S    174.140.1.0/26 [1/0] via 174.140.2.105
S    174.140.1.64/26 [1/0] via 174.140.2.105
C    174.140.1.128/26 is directly connected, GigabitEthernet0/0/0.50
L    174.140.1.129/32 is directly connected, GigabitEthernet0/0/0.50
C    174.140.1.192/26 is directly connected, GigabitEthernet0/0/0.60
L    174.140.1.193/32 is directly connected, GigabitEthernet0/0/0.60
S    174.140.2.0/26 [1/0] via 174.140.2.105
S    174.140.2.64/27 [1/0] via 174.140.2.105
S    174.140.2.96/30 [1/0] via 174.140.2.105
S    174.140.2.100/30 [1/0] via 174.140.2.105
C    174.140.2.104/30 is directly connected, Serial0/1/1
L    174.140.2.106/32 is directly connected, Serial0/1/1
S    174.140.2.108/30 [1/0] via 174.140.2.105
```

SW3>show vlan

VLAN	Name	Status	Ports
1	default	active	Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
50	VLAN0050	active	
60	VLAN0060	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
50	enet	100050	1500	-	-	-	-	-	0	0
60	enet	100060	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0
1003	tr	101003	1500	-	-	-	-	-	0	0
1004	fdnet	101004	1500	-	-	-	ieee	-	0	0
1005	trnet	101005	1500	-	-	-	ibm	-	0	0

--More--

```
SW6#show interfaces status
Port      Name      Status      Vlan      Duplex  Speed  Type
Fa0/1     Name      connected   trunk     auto    auto   10/100BaseTX
Fa0/2     Name      connected   10        auto    auto   10/100BaseTX
Fa0/3     Name      connected   20        auto    auto   10/100BaseTX
Fa0/4     Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/5     Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/6     Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/7     Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/8     Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/9     Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/10    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/11    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/12    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/13    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/14    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/15    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/16    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/17    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/18    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/19    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/20    Name      notconnect  1         auto    auto   10/100BaseTX
Fa0/21    Name      notconnect  1         auto    auto   10/100BaseTX
```

- ☐ a. R1 nu cunoaște unde e rețeaua 174.140.1.128
- ☐ b. R0 nu cunoaște unde e rețeaua 174.140.1.128
- ☐ c. SW5 nu are configurat vlan-ul 50
- ☐ d. SW3 nu configurat vlan-ul 10
- ☐ e. R2 nu cunoaște unde e rețeaua 174.140.1.128
- ☐ f. SW6 nu are porturile configurate în modul corect

The correct answer is:

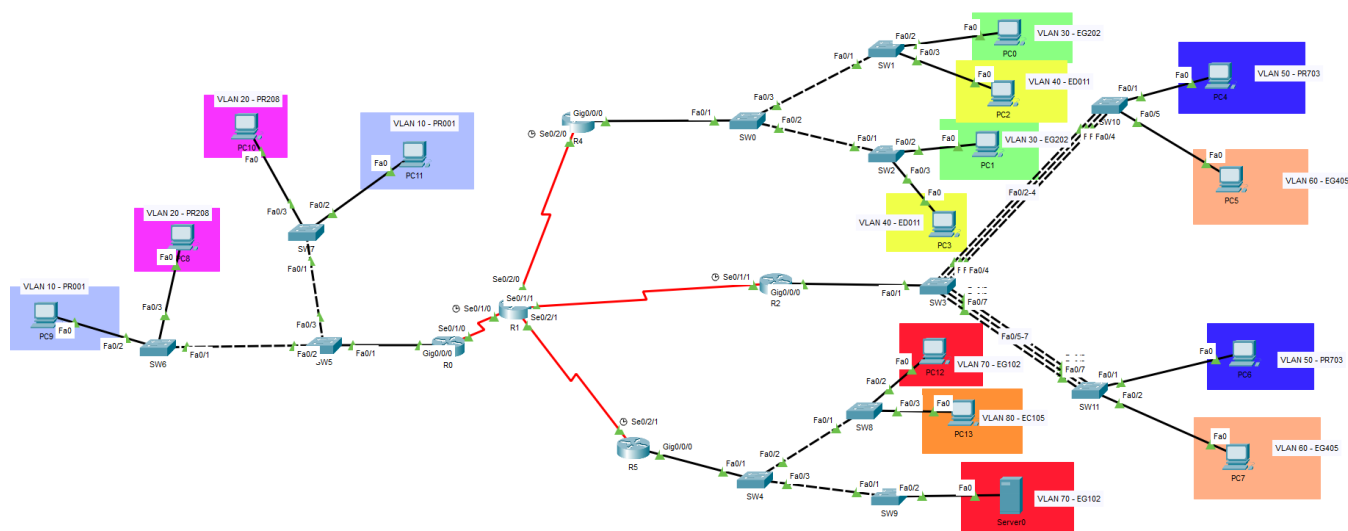
R1 nu cunoaște unde e rețeaua 174.140.1.128

Question 13

Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la PC8 la PC12, însă acest mesaj nu ajunge la destinație. Care ar putea fi cauza acestei probleme?



```
SW4#show interfaces trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	1
Fa0/2	on	802.1q	trunking	1
Fa0/3	on	802.1q	trunking	1

```
Port Vlan
```

```
allowed on trunk
Fa0/1 1-1005
Fa0/2 80
Fa0/3 1-1005
```

```
Port Vlan
```

```
allowed and active in management domain
Fa0/1 1,70,80
Fa0/2 80
Fa0/3 1,70,80
```

```
Port Vlan
```

```
in spanning tree forwarding state and not pruned
Fa0/1 1,70,80
Fa0/2 80
Fa0/3 1,70,80
```

```
SW8#show interfaces status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	trunk	auto	auto	10/100BaseTX
Fa0/2		connected	70	auto	auto	10/100BaseTX
Fa0/3		connected	80	auto	auto	10/100BaseTX
Fa0/4		notconnect	1	auto	auto	10/100BaseTX
Fa0/5		notconnect	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX
Fa0/8		notconnect	1	auto	auto	10/100BaseTX
Fa0/9		notconnect	1	auto	auto	10/100BaseTX
Fa0/10		notconnect	1	auto	auto	10/100BaseTX

```
SW6#show interfaces status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	trunk	auto	auto	10/100BaseTX
Fa0/2		connected	10	auto	auto	10/100BaseTX
Fa0/3		connected	20	auto	auto	10/100BaseTX
Fa0/4		notconnect	1	auto	auto	10/100BaseTX
Fa0/5		notconnect	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX

```
SW5#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
10	VLAN0010	active	
20	VLAN0020	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

```
SW5#show interfaces trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	1
Fa0/2	on	802.1q	trunking	1
Fa0/3	on	802.1q	trunking	1

```
Port Vlans allowed on trunk
```

Fa0/1	1-1005
Fa0/2	1-1005
Fa0/3	1-1005

```
Port Vlans allowed and active in management domain
```

Fa0/1	1,10,20
Fa0/2	1,10,20
Fa0/3	1,10,20

```
Port Vlans in spanning tree forwarding state and not pruned
```

Fa0/1	1,10,20
Fa0/2	1,10,20
Fa0/3	1,10,20

```
SW5#show interfaces status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	trunk	auto	auto	10/100BaseTX
Fa0/2		connected	trunk	auto	auto	10/100BaseTX
Fa0/3		connected	trunk	auto	auto	10/100BaseTX
Fa0/4		notconnect	1	auto	auto	10/100BaseTX
Fa0/5		notconnect	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX
Fa0/8		notconnect	1	auto	auto	10/100BaseTX
Fa0/9		notconnect	1	auto	auto	10/100BaseTX
Fa0/10		notconnect	1	auto	auto	10/100BaseTX

```
SW4#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
70	VLAN0070	active	
80	VLAN0080	active	
1002	fdi-default	active	
1003	token-ring-default	active	
1004	fdinet-default	active	
1005	trnet-default	active	

```
SW4#show interface status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	trunk	auto	auto	10/100BaseTX
Fa0/2		connected	trunk	auto	auto	10/100BaseTX
Fa0/3		connected	trunk	auto	auto	10/100BaseTX
Fa0/4		notconnect	1	auto	auto	10/100BaseTX
Fa0/5		notconnect	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX

- ☐ a. SW5 nu are porturile configurate în modul corect
- ☐ b. SW5 nu are configurat vlan-ul 70
- ☐ c. SW4 nu are configurat vlan-ul 70
- ☐ d. SW6 nu are porturile configurate în modul corect
- ☐ e. SW5 nu permite transmiterea de mesaje către PC9
- ☐ f. SW4 nu permite transmiterea de mesaje către PC12

The correct answer is:

SW4 nu permite transmiterea de mesaje către PC12

Question 14

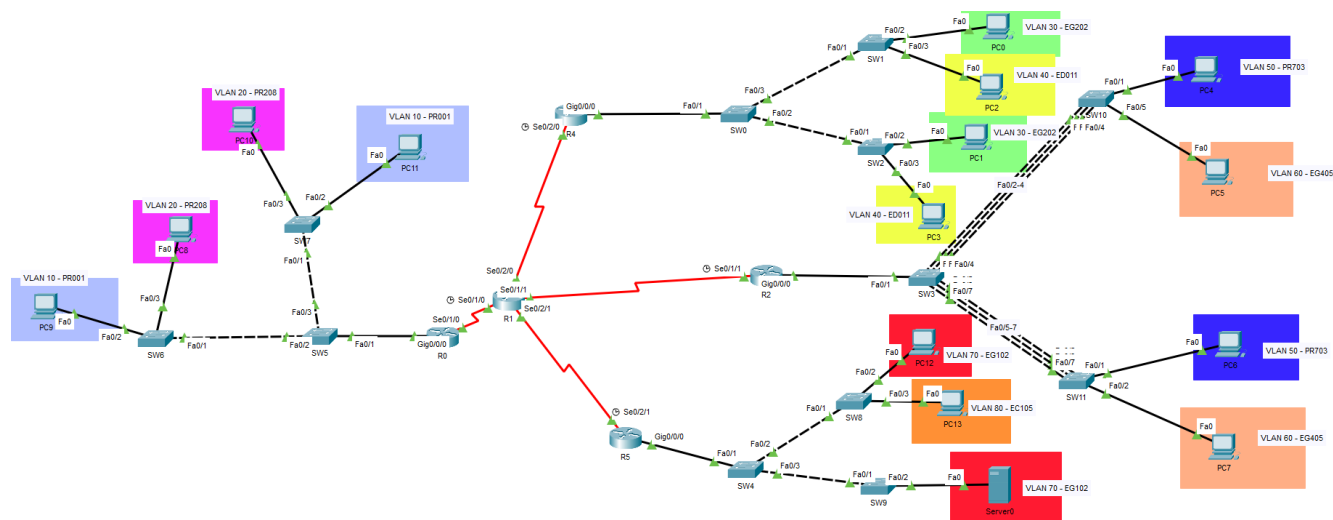
Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la PC8 la PC5, însă acest mesaj nu ajunge la destinație. Care ar putea fi cauza acestei probleme?

VLAN 60 - EG405 - 174.140.1.192/26 (Primul IP este Default-Gateway)

VLAN 20 - PR208 - 174.140.0.128/25 (Primul IP este Default-Gateway)



- ☐ a. SW10 nu are porturile configurate în modul corespunzător
- ☐ b. R0 nu are Router-on-a-Stick configurat corect
- ☐ c. R2 nu are Router-on-a-Stick configurat corect
- ☐ d. SW5 nu are configurate toate vlan-urile
- ☐ e. SW6 nu are porturile configurate în modul corespunzător
- ☐ f. SW3 nu are porturile configurate în modul corespunzător

The correct answer is:

SW5 nu are configurate toate vlan-urile

Question 15

Not answered

Marked out of 4.00

În urma rulării comenzilor de mai jos pe R1, care din următoarele propoziții sunt adevărate? (Alegeți 2 răspunsuri)

- no ip route 174.140.1.0 255.255.255.192 174.140.2.102
- no ip route 174.140.1.64 255.255.255.192 174.140.2.102
- no ip route 174.140.1.128 255.255.255.192 174.140.2.106
- no ip route 174.140.1.192 255.255.255.192 174.140.2.106

Adresele pentru rețele dintre routere sunt :

- R0-R1 - 174.140.2.96 - 174.140.2.99 /30
- R1-R4 - 174.140.2.100 - 174.140.2.103 /30
- R1-R2 - 174.140.2.104 - 174.140.2.107 /30
- R1-R5 - 174.140.2.108 - 174.140.2.111 /30

- ☐ a. Se poate transmite mesajul de la PC8 la PC2
- ☐ b. Se poate transmite mesajul de la PC9 la PC4
- ☐ c. Nu se poate transmite mesajul de la PC9 la PC5
- ☐ d. Nu se poate transmite mesajul de la PC9 la PC4
- ☐ e. Se poate transmite mesajul de la PC8 la PC0
- ☐ f. Se poate transmite mesajul de la PC9 la PC5

The correct answers are:

Se poate transmite mesajul de la PC9 la PC4,

Se poate transmite mesajul de la PC9 la PC5

Question 16

Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la PC9 la PC4, însă acest mesaj nu ajunge la destinație. Care ar putea fi cauza acestei probleme?

- ☐ a. SW10 nu are porturile configurate în modul corespunzător
- ☐ b. SW10 are porturile oprite
- ☐ c. SW3 are porturile oprite
- ☐ d. SW6 nu este configurat corect
- ☐ e. SW5 nu are configurate porturile în modul corespunzător
- ☐ f. SW5 nu are creat vlan 50

The correct answer is:

SW3 are porturile oprite

Question 17

Not answered

Marked out of 4.00

Care din următoarele porturi din configurația de mai jos sunt designated ports? (Alegeți 2 răspunsuri)

- ☐ a. SW10 - Fa0/1
- ☐ b. SW6 - Fa0/2
- ☐ c. SW3 - fa0/2
- ☐ d. SW8 - Fa0/3
- ☐ e. SW9 - Fa0/1
- ☐ f. SW7 - Fa0/1

The correct answers are:

SW8 - Fa0/3,

SW3 - fa0/2

Question 18

Not answered

Marked out of 4.00

Care din următoarele Switch-uri este Root Bridge?

- ☐ a. SW6
- ☐ b. SW9
- ☐ c. SW8
- ☐ d. SW7
- ☐ e. SW5
- ☐ f. SW0

The correct answer is:

SW7

Question 19

Not answered

Marked out of 4.00

Ce Wildcard Mask are următorul IP: 101.111.11.2/12?

- ☐ a. 0.0.31.255
- ☐ b. 0.0.15.255
- ☐ c. 0.63.255.255
- ☐ d. 0.7.255.255
- ☐ e. 0.15.255.255
- ☐ f. 0.127.255.255

The correct answer is:

0.15.255.255

Question 20

Not answered

Marked out of 4.00

De ce nu se realizează Etherchannel între SW1 și SW0 pe toate porturile?

- ☐ a. SW1 și SW0 au porturile cu costuri diferite
- ☐ b. SW0 are Fa0/2 în modul shutdown
- ☐ c. SW1 are Fa0/1 în modul shutdown
- ☐ d. SW1 și SW0 au channel-group diferit
- ☐ e. SW0 nu are porturile configurate în modul corespunzător
- ☐ f. SW1 nu are porturile configurate în modul corespunzător

The correct answer is:

SW0 are Fa0/2 în modul shutdown

Question 21

Not answered

Marked out of 4.00

Un utilizator încearcă să transmită un mesaj de la Server1 la Server3. Ce putem spune despre mesaj?

Vlan 11: 48.34.0.0/16 (Prima adresă de IP este Default-Gateway)

Vlan 22: 87.64.0.0/21 (Prima adresă de IP este Default-Gateway)

- ☐ a. Nu se transmite deoarece SW4 nu are porturile configurate în modul corespunzător.
- ☐ b. Se transmite cu succes.
- ☐ c. Nu se transmite deoarece SW6 nu are creat vlan-ul 11.
- ☐ d. Nu se transmite deoarece Router-on-a-Stick nu este configurat corect
- ☐ e. Nu se transmite deoarece SW5 nu are creat vlan-ul 22.
- ☐ f. Nu se transmite deoarece SW6 nu are porturile configurate în modul corespunzător.

The correct answer is:

Se transmite cu succes.

Question 22

Not answered

Marked out of 4.00

Cu care dintre vecinii de mai jos s-au format adiacențele din procesul de OSPF? (Alegeți 2 răspunsuri)

- ☐ a. 1.1.1.1
- ☐ b. 8.8.8.8
- ☐ c. 5.5.5.5
- ☐ d. 2.2.2.2
- ☐ e. 3.3.3.3
- ☐ f. 4.4.4.4

The correct answers are:

5.5.5.5,

3.3.3.3

Question 23

Not answered

Marked out of 4.00

În cadrul topologiei date mai jos, legatura dintre SW0 și SW2 nu se poate realiza. Care este motivul?

- ☐ a. Fac parte din vlan-uri diferite
- ☐ b. Au costuri diferite
- ☐ c. SW0 are porturile realizate în modul access
- ☐ d. Speed-ul este diferit
- ☐ e. Au același cost
- ☐ f. Nu s-a realizat configurarea

The correct answer is:

Speed-ul este diferit

Question 24

Not answered

Marked out of 4.00

În cazul topologiei date mai jos avem nevoie de:

100 Host-uri pentru Servere

35 Host-uri pentru CTI

40 Host-uri pentru IS

30 Host-uri pentru Secretariat

10 Host-uri pentru Decanat

2 Host-uri pentru R0-R1, R1-R2, R2-R3, R3-R0

Pornind de la spațiul de adrese 101.121.1.0/16, care din următoarele comenzi fac parte din configurarea OSPF-ului area 0?

- ☐ a. Pe R2:
- ```
router ospf 1
router-id 2.2.2.2
network 101.121.0.128 255.255.255.192
```
- ☐ b. Pe R1:
- ```
router ospf 1
interface gig0/0/0
ip ospf 1 area 0
```
- ☐ c. Pe R2:
- ```
router ospf 1
interface gig0/1/0
ip ospf 1 area 0
```
- ☐ d. Pe R3:
- ```
router ospf 1
router-id 3.3.3.3
network 101.121.0.0 255.225.255.128
```
- ☐ e. Pe R0:
- ```
router ospf 1
router-id 1.1.1.1
network 101.121.0.192 255.255.255.192
network 101.121.1.0 255.255.255.224
```
- ☐ f. Pe R1:
- ```
router-id 1.1.1.1
interface Se0/1/0
ip ospf 1 area 0
```

The correct answer is:

Pe R1:

```
router-id 1.1.1.1
```

```
interface Se0/1/0
```

```
ip ospf 1 area 0
```

Question 25

Not answered

Marked out of 4.00

Care din următoarele Switch-uri este Root Bridge?

- ☐ a. SW9
- ☐ b. SW1
- ☐ c. SW3
- ☐ d. SW8
- ☐ e. SW7
- ☐ f. SW2

The correct answer is:

SW2