



Free Questions for 200-301 by certsdeals

Shared by Hampton on 09-08-2024

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Question 1

Question Type: MultipleChoice

Refer to the exhibit.

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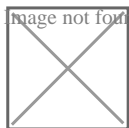
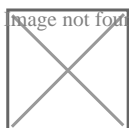


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IP connectivity between the three routers is configured. OSPF adjacencies must be established.

1. Configure R1 and R2 Router IDs using the interface IP addresses from the link that is shared between them.
2. Configure the R2 links with a max value facing R1 and R3. R2 must become the DR. R1 and R3 links facing R2 must remain with the default OSPF configuration for DR election. Verify the configuration after clearing the OSPF process.
3. Using a host wildcard mask, configure all three routers to advertise their respective Loopback1 networks.
4. Configure the link between R1 and R3 to disable their ability to add other OSPF routers.

Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

on R1

conf terminal

interface Loopback0

ip address 10.10.1.1 255.255.255.255

!

interface Loopback1

ip address 192.168.1.1 255.255.255.0

!

interface Ethernet0/0

no shut

ip address 10.10.12.1 255.255.255.0

ip ospf 1 area 0

duplex auto

!

interface Ethernet0/1

no shut

ip address 10.10.13.1 255.255.255.0

ip ospf 1 area 0

duplex auto

!

router ospf 1

router-id 10.10.12.1

network 10.10.1.1 0.0.0.0 area 0

network 192.168.1.0 0.0.0.255 area 0

!

copy run star

On R2

conf terminal

interface Loopback0

ip address 10.10.2.2 255.255.255.255

!

interface Loopback1

ip address 192.168.2.2 255.255.255.0

!

interface Ethernet0/0

no shut

ip address 10.10.12.2 255.255.255.0

ip ospf priority 255

```
ip ospf 1 area 0
```

```
duplex auto
```

```
!
```

```
interface Ethernet0/2
```

```
no shut
```

```
ip address 10.10.23.2 255.255.255.0
```

```
ip ospf priority 255
```

```
ip ospf 1 area 0
```

```
duplex auto
```

```
!
```

```
router ospf 1
```

```
network 10.10.2.2 0.0.0.0 area 0
```

```
network 192.168.2.0 0.0.0.255 area 0
```

```
!
```

```
copy runs start
```

On R3

conf ter

interface Loopback0

ip address 10.10.3.3 255.255.255.255

!

interface Loopback1

ip address 192.168.3.3 255.255.255.0

!

interface Ethernet0/1

no shut

ip address 10.10.13.3 255.255.255.0

ip ospf 1 area 0

duplex auto

!

```
interface Ethernet0/2

no shut

ip address 10.10.23.3 255.255.255.0

ip ospf 1 area 0

duplex auto

!

router ospf 1

network 10.10.3.3 0.0.0.0 area 0

network 192.168.3.0 0.0.0.255 area 0

!

copy run start

!
```

Question 2

Question Type: MultipleChoice

Connectivity between four routers has been established. IP connectivity must be configured in the order presented to complete the implementation. No dynamic routing protocols are included.

1. Configure static routing using host routes to establish connectivity from router R3 to the router R1 Loopback address using the source IP of 209.165.200.230.
2. Configure an IPv4 default route on router R2 destined for router R4.
3. Configure an IPv6 default router on router R2 destined for router R4.

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Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

1.- on R3

config terminal

```
ip route 192.168.1.1 255.255.255.255 209.165.200.229
```

end

copy running start

2.- on R2

config terminal

```
ip route 0.0.0.0 0.0.0.0 209.165.202.130
```

end

copy running start

3.- on R2

config terminal

```
ipv6 route ::/0 2001:db8:abcd::2
```

end

copy running start

Question 3

Question Type: MultipleChoice

Configure IPv4 and IPv6 connectivity between two routers. For IPv4, use a /28 network from the 192.168.1.0/24 private range. For IPv6, use the first /64 subnet from the 2001:0db8:aaaa::/48 subnet.

1. Using Ethernet0/1 on routers R1 and R2, configure the next usable/28 from the 192.168.1.0/24 range. The network 192.168.1.0/28 is unavailable.
2. For the IPv4 /28 subnet, router R1 must be configured with the first usable host address.
3. For the IPv4 /28 subnet, router R2 must be configured with the last usable host address.
4. For the IPv6 /64 subnet, configure the routers with the IP addressing provided from the topology.
5. A ping must work between the routers on the IPv4 and IPv6 address ranges.

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Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

on R1

config terminal

ipv6 unicast-routing

inter eth0/1

ip addre 192.168.1.1 255.255.255.240

ipv6 addre 2001:db8:aaaa::1/64

not shut

end

copy running start

on R2

config terminal

ipv6 unicast-routing

inter eth0/1

ip address 192.168.1.14 255.255.255.240

ipv6 address 2001:db8:aaaa::2/64

not shut

end

copy running start

for test from R1

ping ipv6 2001:db8:aaaa::1

for test from R2

ping ipv6 2001:db8:aaaa::2

Question 4

Question Type: MultipleChoice

Physical connectivity is implemented between the two Layer 2 switches, and the network connectivity between them must be configured

1. Configure an LACP EtherChannel and number it as 1; configure it between switches SW1 and SVV2 using interfaces Ethernet0/0 and Ethernet0/1 on both sides. The LACP mode must match on both ends
- 2 Configure the EtherChannel as a trunk link.
3. Configure the trunk link with 802.1 q tags.
4. Configure the native VLAN of the EtherChannel as VLAN 15.

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Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

On SW1:

```
conf terminal
```

```
vlan 15
```

```
exit
```

```
interface range eth0/0 - 1
```

```
channel-group 1 mode active
```

```
exit
```

```
interface port-channel 1
```

```
switchport trunk encapsulation dot1q
```

```
switchport mode trunk
```

```
switchport trunk native vlan 15
```

end

copy run start

on SW2:

conf terminal

vlan 15

exit

interface range eth0/0 - 1

channel-group 1 mode active

exit

interface port-channel 1

switchport trunk encapsulation dot1q

switchport mode trunk

switchport trunk native vlan 15

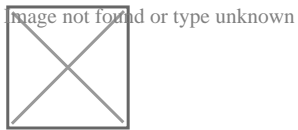
end

copy run start

Question 5

Question Type: MultipleChoice

Refer to the exhibit.



Three switches must be configured for Layer 2 connectivity. The company requires only the designated VLANs to be configured on their respective switches and permitted across any links between switches for security purposes. Do not modify or delete VTP configurations.

The network needs two user-defined VLANs configured:

VLAN 110: MARKETING

VLAN 210: FINANCE

1. Configure the VLANs on the designated switches and assign them as access ports to the interfaces connected to the PCs.
2. Configure the e0/2 interfaces on Sw1 and Sw2 as 802.1q trunks with only the required VLANs permitted.
3. Configure the e0/3 interfaces on Sw2 and Sw3 as 802.1q trunks with only the required VLANs permitted.

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Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

Sw1

enbale

config t

Vlan 210

Name FINANCE

Inter e0/1

Switchport access vlan 210

do wr

Sw2

Enable

config t

Vlan 110

Name MARKETING

Int e0/1

Switchport access vlan 110

do wr

Sw3

Enable

config t

Vlan 110

Name MARKETING

Vlan 210

Name FINANCE

Int e0/0

Switchport access vlan 110

Int e0/1

Switchport access vlan 210

Sw1

Int e0/1

Switchport allowed vlan 210

Sw2

Int e0/2

Switchport trunk allowed vlan 210

Sw3

Int e0/3

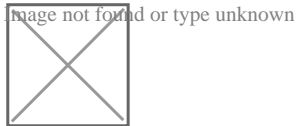
Switchport trunk allowed vlan 210

Switchport trunk allowed vlan 210,110

Question 6

Question Type: MultipleChoice

Refer to the exhibit.



All physical cabling between the two switches is installed. Configure the network connectivity between the switches using the designated VLANs and interfaces.

1. Configure VLAN 100 named Compute and VLAN 200 named Telephony where required for each task.
2. Configure Ethernet0/1 on SW2 to use the existing VLAN named Available.
3. Configure the connection between the switches using access ports.
4. Configure Ethernet0/1 on SW1 using data and voice VLANs.

5. Configure Ethernet0/1 on SW2 so that the Cisco proprietary neighbor discovery protocol is turned off for the designated interface only.

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Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

on sw1

enable

conf t

vlan 100

name Compute

vlan 200

name Telephony

int e0/1

switchport voice vlan 200

switchport access vlan 100

int e0/0

switchport mode access

do wr

on sw2

Vlan 99

Name Available

Int e0/1

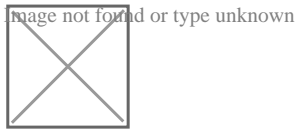
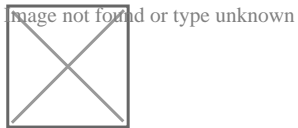
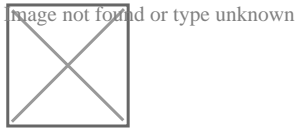
Switchport access vlan 99

do wr

Question 7

Question Type: MultipleChoice

Refer to the exhibit.



IP connectivity and OSPF are preconfigured on all devices where necessary. Do not make any changes to the IP addressing or OSPF. The company policy uses connected interfaces and next hops when configuring static routes except for load balancing or redundancy without floating static. Connectivity must be established between subnet 172.20.20.128/25 on the Internet and the LAN at 192.168.0.0/24 connected to SW1:

1. Configure reachability to the switch SW1 LAN subnet in router R2.
2. Configure default reachability to the Internet subnet in router R1.

3. Configure a single static route in router R2 to reach to the Internet subnet considering both redundant links between routers R1 and R2. A default route is NOT allowed in router R2.

4. Configure a static route in router R1 toward the switch SW1 LAN subnet where the primary link must be through Ethernet0/1. and the backup link must be through Ethernet0/2 using a floating route. Use the minimal administrative distance value when required.

Options:

A) See the Explanation below

Answer:

A

Explanation:

Answer as below configuration:

On R2:

Enable

Conf t

```
Ip route 192.168.1.0 255.255.255.0 10.10.31.1
```

On R1:

Enable

Conf t

Ip route 0.0.0.0 0.0.0.0 10.10.13.3

On R2

Ip route 172.20.20.128 255.255.255.128 e0/2

Ip route 172.20.20.128 255.255.255.128 e0/1

On R1

Ip route 192.168.0.0 255.255.255.0 e0/1

Ip route 192.168.0.0 255.255.255.0 10.10.12.2 3

Save all configurations after every router from anyone of these command

Do wr

Or

Copy run start

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