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Vendor:Cisco

Exam Code:200-301

Exam Name:Implementing and Administering Cisco Solutions (CCNA) (Include Newest Simulation Labs)

Version:Demo

QUESTION 1

OSPF must be configured between routers R1 and R2. Which OSPF configuration must be applied to router R1 to avoid a DR/BDR election?

- A. router ospf 1 network 192.168.1.1 0.0.0.0 area 0 interface e1/1 ip address 192.168.1.1 255.255.255.252 ip ospf network broadcast
- B. router ospf 1 network 192.168.1.1 0.0.0.0 area 0 interface e1/1 ip address 192.168.1.1 255.255.255.252
ip ospf network point-to-point
- C. router ospf 1 network 192.168.1.1 0.0.0.0 area 0 interface e1/1 ip address 192.168.1.1 255.255.255.252 ip ospf cost 0
- D. router ospf 1 network 192.168.1.1 0.0.0.0 area 0 hello interval 15 interface e1/1 Ip address 192.168.1.1 255.255.255.252

Correct Answer: B

QUESTION 2

Which two QoS tools provides congestion management? (Choose two)

- A. CAR
- B. CBWFQ
- C. PQ
- D. PBR
- E. FRTS

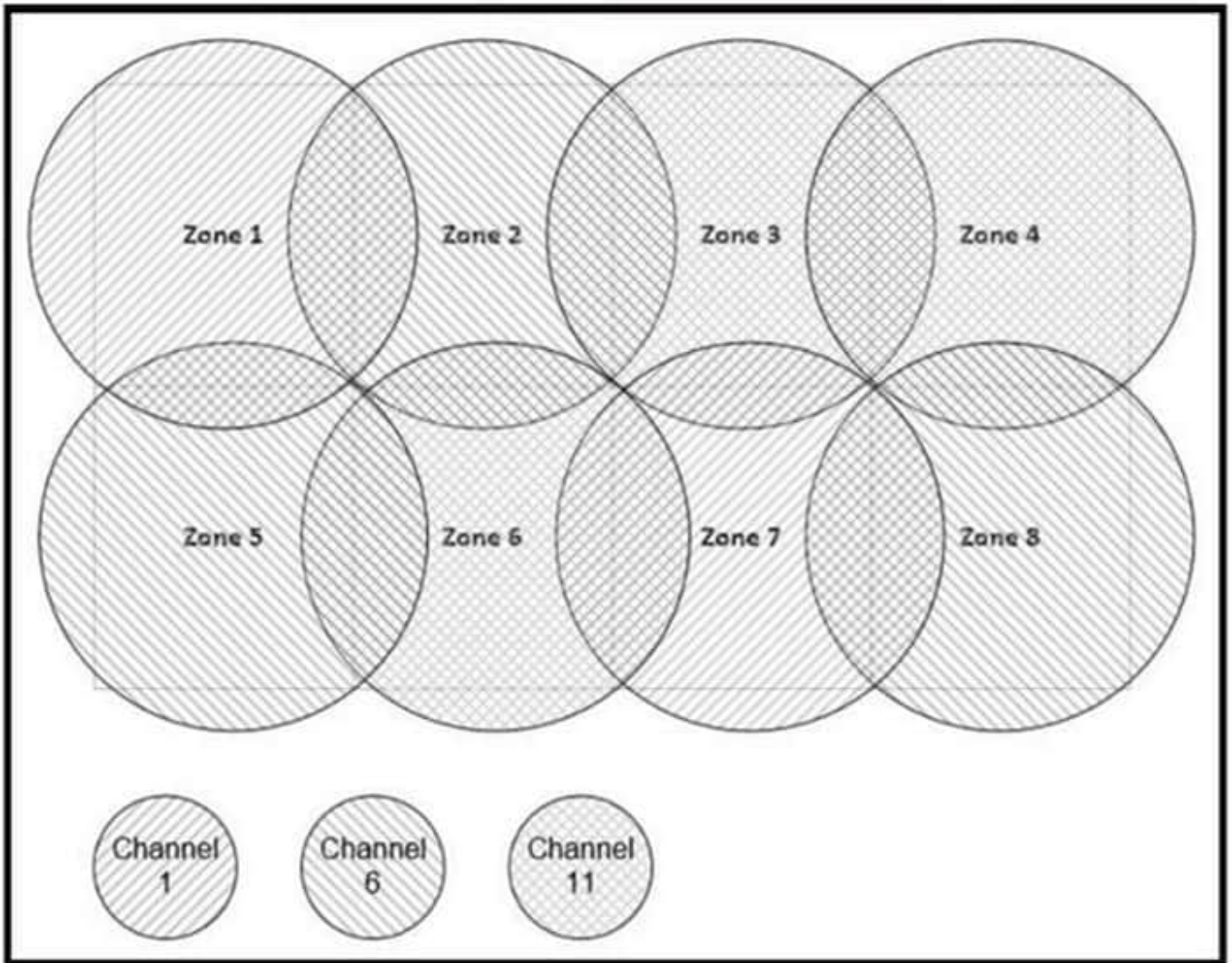
Correct Answer: BC

Type of queuing methods are available: * First-In-First-Out (FIFO) * Priority Queuing (PQ) * Custom

Queuing (CQ) * Weighted Fair Queuing (WFQ) * Class-Based Weighted Fair Queuing (CBWFQ) * LowLatency Queuing (LLQ)

QUESTION 3

Refer to the exhibit.



Between which zones do wireless users expect to experience intermittent connectivity?

- A. between zones 1 and 2
- B. between zones 2 and 5
- C. between zones 3 and 4
- D. between zones 3 and 6

Correct Answer: C

Zones 3 and 4 both have Channel 11 that is overlapped. Zones 3 and 6 do not overlap at all.

QUESTION 4

Which two pieces of information can you learn by viewing the routing table? (Choose two.)

- A. whether an ACL was applied inbound or outbound to an interface

- B. the EIGRP or BGP autonomous system
- C. whether the administrative distance was manually or dynamically configured
- D. which neighbor adjacencies are established
- E. the length of time that a route has been known

Correct Answer: CD

QUESTION 5

What are two reasons a switch experiences frame flooding? (Choose two.)

- A. A defective patch cable is connected to the switch port
- B. Topology changes are occurring within spanning-tree
- C. An aged MAC (able entry is causing excessive updates
- D. Port-security is configured globally
- E. The forwarding table has overflowed

Correct Answer: AB

QUESTION 6

What are two fundamentals of virtualization? (Choose two.)

- A. It allows logical network devices to move traffic between virtual machines and the rest of the physical network.
- B. It allows multiple operating systems and applications to run independently on one physical server.
- C. It allows a physical router to directly connect NICs from each virtual machine into the network.
- D. It requires that some servers, virtual machines, and network gear reside on the Internet.
- E. The environment must be configured with one hypervisor that serves solely as a network manager to monitor SNMP traffic.

Correct Answer: AB

QUESTION 7

A Cisco engineer must configure a single switch interface to meet these requirements

1.

accept untagged frames and place them in VLAN 20

2.

accept tagged frames in VLAN 30 when CDP detects a Cisco IP phone

Which command set must the engineer apply?

A. switchport mode dynamic desirable switchport access vlan 20 switchport trunk allowed vlan 30 switchport voice vlan 30

B. switchport mode dynamic auto switchport trunk native vlan 20 switchport trunk allowed vlan 30 switchport voice vlan 30

C. switchport mode access switchport access vlan 20 switchport voice vlan 30

D. switchport mode trunk switchport access vlan 20 switchport voice vlan 30

Correct Answer: C

The data vlan is connected to the IP phone. Data VLANs connected to the IP phones are untagged by default.

The IP phone connected to a switchport should learn its vlan using cdp. To configure this, the command is "switchport voice Vlan 30"

<https://www.practicalnetworking.net/stand-alone/voice-vlan-auxiliary-vlan/>

<https://docs.nvidia.com/networking-ethernet-software/cumulus-linux-40/Layer-2/Link-Layer-Discovery-Protocol/Voice-VLAN/>

QUESTION 8

An engineer must establish a trunk link between two switches. The neighboring switch is set to trunk or desirable mode. What action should be taken?

A. configure switchport nonegotiate

B. configure switchport mode dynamic desirable

C. configure switchport mode dynamic auto

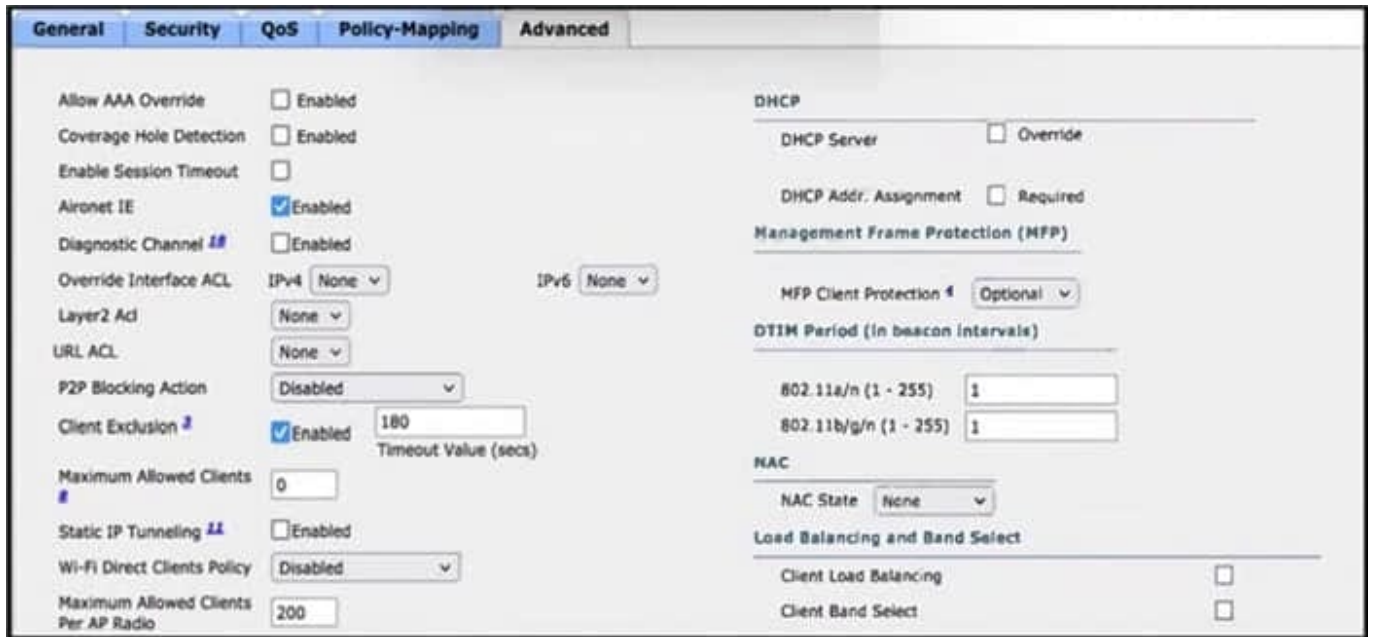
D. configure switchport trunk dynamic desirable

Correct Answer: C

A manager asks a network engineer to advise which cloud service models are used so employees do not have to waste their time installing, managing, and updating software which is only used occasionally

QUESTION 9

Refer to the exhibit.



After a recent internal security audit, the network administrator decided to block all P2P-capable devices from the selected SSID. Which configuration setting must the administrator apply?

- A. Set the Wi-Fi Direct Client Policy to Not-Allow.
- B. Select a correctly configured Layer 2 ACL.
- C. Set the MFP Client Protection to Required.
- D. Set the P2P Block Action to Drop.

Correct Answer: D

To block all P2P-capable devices from the selected SSID, the network administrator should set the P2P Block Action to "Drop".

P2P (Peer-to-Peer) traffic is often used by file sharing applications and other unauthorized software, which can pose a security risk to the network. By setting the P2P Block Action to "Drop", the network administrator can prevent P2P traffic from being transmitted over the selected SSID.

The other configuration settings listed are not directly related to blocking P2P traffic. Wi-Fi Direct Client Policy, for example, is used to control Wi-Fi Direct clients, while MFP (Management Frame Protection) Client Protection helps prevent forged management frames. A Layer 2 ACL (Access Control List) can be used to control access to network resources based on MAC addresses, IP addresses, and other criteria, but it is not specifically designed to block P2P traffic.

QUESTION 10

DRAG DROP

Drag and drop the Wi-Fi terms from the left onto the descriptions on the right.

Select and Place:

- executes modules via SSH by default
- uses the YAML language
- uses agents to manage hosts
- pushes configurations to the client
- requires clients to pull configurations from the server
- operates without agents

- feature
- feature
- feature
- feature

Correct Answer:

-
- uses the YAML language
-
-
- requires clients to pull configurations from the server
-

- operates without agents
- executes modules via SSH by default
- uses agents to manage hosts
- pushes configurations to the client

<https://networklessons.com/cisco/ccna-200-301/wireless-lan-802-11-service-sets>

QUESTION 11

An engineer is configuring data and voice services to pass through the same port. The designated switch interface fastethernet0/1 must transmit packets using the same priority for data when they are received from the access port of the IP phone. Which configuration must be used?

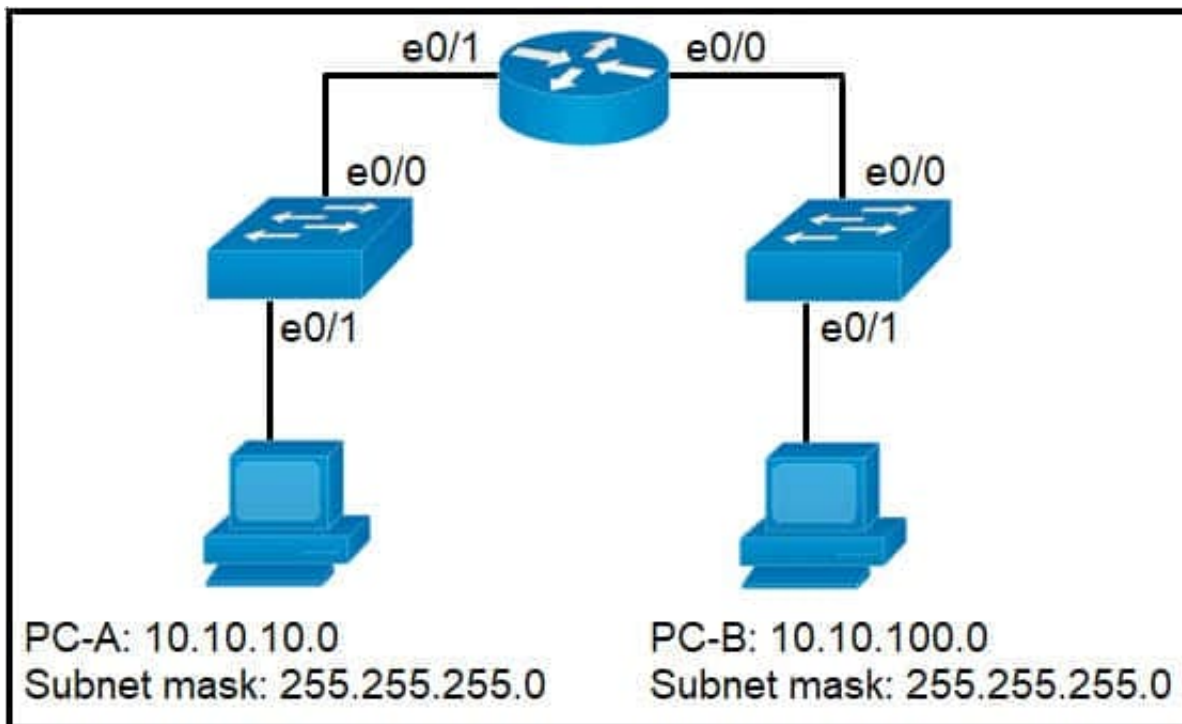
- A. interface fastethernet0/1 switchport priority extend cos 7

- B. interface fastethernet0/1 switchport voice vlan untagged
- C. interface fastethernet0/1 switchport voice vlan dot1p
- D. interface fastethernet0/1 switchport priority extend trust

Correct Answer: D

QUESTION 12

Refer to the exhibit. When PC-A sends traffic to PC-B, which network component is in charge of receiving the packet from PC-A verifying the IP addresses, and forwarding the packet to PC-B?



- A. Layer 2 switch
- B. Router
- C. Load balancer
- D. firewall

Correct Answer: B

PC--A and PC-B are not in the same network. Switches send traffic in layer 2 and within the same VLA while routers route traffic to different subnet and at layer 3.