DBCLOUD
EXAMS

QUESTIONS & ANSWERS

verified



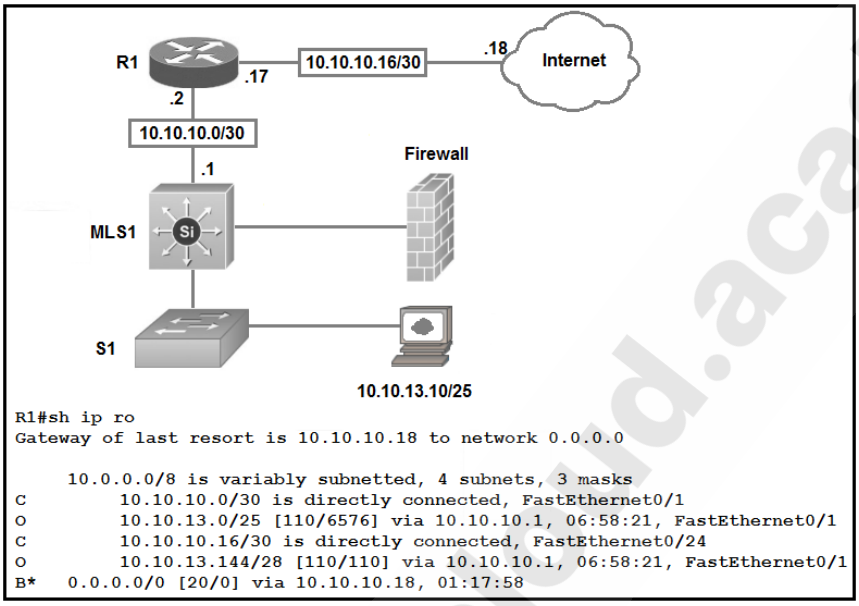
Technology Provider: Cisco

Exam: Cisco Certified Network Associate (CCNA)

Number of questions in the database: 1400

Exam Version: NOV.2026

Question #1*Topic 1*



Refer to the exhibit. Which type of route does R1 use to reach host 10.10.13.10/32?

A. default route

B. network route

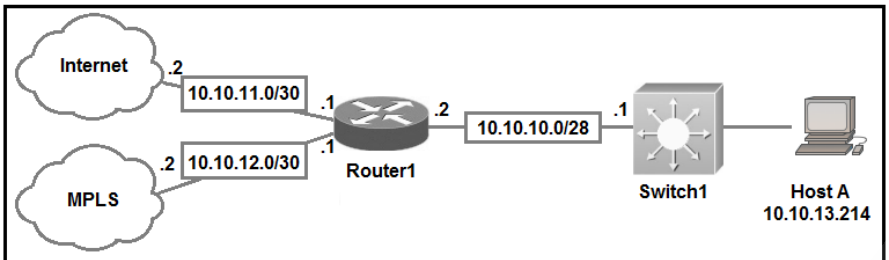
C. host route

D. floating static route

Correct Answer: B

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Question #2*Topic 1*




```
Router1#show ip route
Gateway of last resort is 10.10.11.2 to network 0.0.0.0

      209.165.200.0/27 is subnetted, 1 subnets
B        209.165.200.224 [20/0] via 10.10.12.2, 03:22:14
      209.165.201.0/27 is subnetted, 1 subnets
B        209.165.201.0 [20/0] via 10.10.12.2, 02:26:33
      209.165.202.0/27 is subnetted, 1 subnets
B        209.165.202.128 [20/0] via 10.10.12.2, 02:26:03
      10.0.0.0/8 is variably subnetted, 8 subnets, 4 masks
C        10.10.10.0/28 is directly connected, GigabitEthernet0/0
C        10.10.11.0/30 is directly connected, FastEthernet2/0
C        10.10.12.0/30 is directly connected, GigabitEthernet0/1
O        10.10.13.0/25 [110/2] via 10.10.10.1, 00:00:04, GigabitEthernet0/0
O        10.10.13.128/28 [110/2] via 10.10.10.1, 00:00:04, GigabitEthernet0/0
O        10.10.13.144/28 [110/2] via 10.10.10.1, 00:00:04, GigabitEthernet0/0
O        10.10.13.160/29 [110/2] via 10.10.10.1, 00:00:04, GigabitEthernet0/0
O        10.10.13.208/29 [110/2] via 10.10.10.1, 00:00:04, GigabitEthernet0/0
S*    0.0.0.0/0 [1/0] via 10.10.11.2
```

Refer to the exhibit. Which prefix does Router1 use for traffic to Host A?

A. 10.10.10.0/28

B. 10.10.13.0/25

C. 10.10.13.144/28

D. 10.10.13.208/29

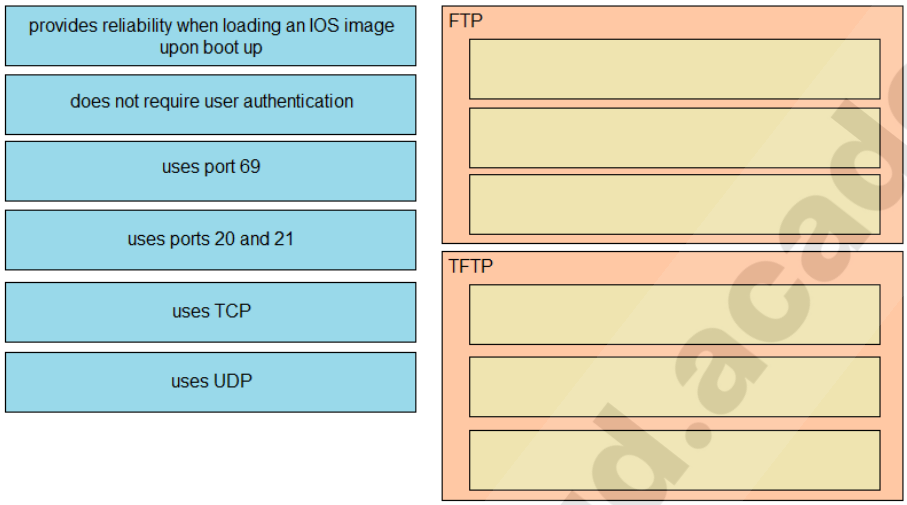
Correct Answer: D

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Question #3*Topic 1*

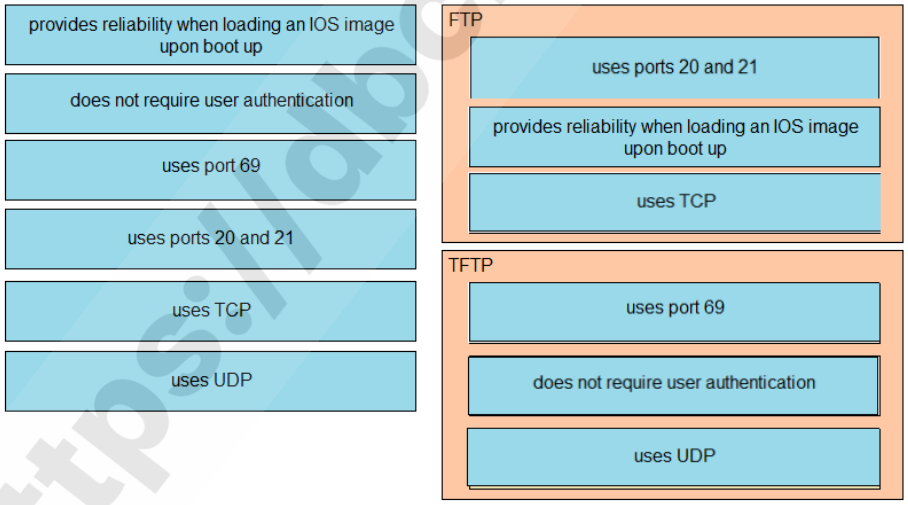
DRAG DROP -
Drag and drop the descriptions of file-transfer protocols from the left onto the correct protocols on the right.
Select and Place:

Answer Area



Correct Answer:

Answer Area



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Question #4Topic 1

A frame that enters a switch fails the Frame Check Sequence. Which two interface counters are incremented? (Choose two.)

A. input errors

B. frame

C. giants

D. CRC

E. runts

Correct Answer: AD

Question #5*Topic 1*

DRAG DROP -
Drag and drop the IPv4 network subnets from the left onto the correct usable host ranges on the right.
Select and Place:

Answer Area

172.28.228.144/18	172.28.228.1 - 172.28.229.254
172.28.228.144/21	172.28.224.1 - 172.28.231.254
172.28.228.144/23	172.28.228.129 - 172.28.228.254
172.28.228.144/25	172.28.228.145 - 172.28.228.150
172.28.228.144/29	172.28.192.1 - 172.28.255.254

Correct Answer:

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Answer Area

172.28.228.144/18	172.28.228.144/23
172.28.228.144/21	172.28.228.144/21
172.28.228.144/23	172.28.228.144/25
172.28.228.144/25	172.28.228.144/29
172.28.228.144/29	172.28.228.144/18

Question #6Topic 1

How do TCP and UDP differ in the way that they establish a connection between two endpoints?

A. TCP uses the three-way handshake, and UDP does not guarantee message delivery.

B. TCP uses synchronization packets, and UDP uses acknowledgment packets.

C. UDP provides reliable message transfer, and TCP is a connectionless protocol.

D. UDP uses SYN, SYN ACK, and FIN bits in the frame header while TCP uses SYN, SYN ACK, and ACK bits.

Correct Answer: A

Question #7Topic 1

Which 802.11 frame type is Association Response?

A. management

B. protected frame

C. action

D. control

Correct Answer: A

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Question #8Topic 1

In which way does a spine-and-leaf architecture allow for scalability in a network when additional access ports are required?

A. A spine switch and a leaf switch can be added with redundant connections between them.

B. A spine switch can be added with at least 40 GB uplinks.

C. A leaf switch can be added with connections to every spine switch.

D. A leaf switch can be added with a single connection to a core spine switch.

Correct Answer: C

Question #9Topic 1

What identifies the functionality of virtual machines?

A. The hypervisor communicates on Layer 3 without the need for additional resources.

B. Each hypervisor supports a single virtual machine and a single software switch.

C. The hypervisor virtualizes physical components including CPU, memory, and storage.

D. Virtualized servers run efficiently when physically connected to a switch that is separate from the hypervisor.

Correct Answer: C

Question #10Topic 1

Which command automatically generates an IPv6 address from a specified IPv6 prefix and MAC address of an interface?

A. ipv6 address dhcp

B. ipv6 address 2001:DB8:5:112::/64 eui-64

C. ipv6 address autoconfig

D. ipv6 address 2001:DB8:5:112::2/64 link-local

Correct Answer: B

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