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Which information is included in the header of a UDP segment?

- A. Port numbers
- B. Sequence numbers
- C. IP addresses
- D. MAC addresses

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Which standard contains the specifications for Wi-Fi networks?

- A. IEEE 802.11
- B. GSM
- C. IEEE 802.3
- D. LTE
- E. EIA/TIA 568A

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

HOTSPOT -

For each statement about the output, select True or False.

Note: You will receive partial credit for each correct selection.

Answer Area

	True	False
Low bandwidth can increase network latency.	<input type="radio"/>	<input type="radio"/>
High levels of network latency decrease network bandwidth.	<input type="radio"/>	<input type="radio"/>
You can increase throughput by decreasing network latency.	<input type="radio"/>	<input type="radio"/>

Answer Area**Suggested Answer:**

	True	False
Low bandwidth can increase network latency.	<input checked="" type="radio"/>	<input type="radio"/>
High levels of network latency decrease network bandwidth.	<input type="radio"/>	<input checked="" type="radio"/>
You can increase throughput by decreasing network latency.	<input checked="" type="radio"/>	<input type="radio"/>

Currently there are no comments in this discussion, be the first to comment!

DRAG DROP -

Move each network type from the list on the left to the correct example on the right.

Network types

WAN

MAN

PAN

LAN

Answer Area**Examples**

Two home office computers are connected to a switch by Ethernet cables.

Three government buildings in the same city connect to a cable company over coaxial cables.

A cell phone connects to a Bluetooth headset.

A financial institution connects its branches through a telecommunications service provider.

Suggested Answer:

Network types

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Answer Area**Examples**

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DRAG DROP -

Move each cloud computing service model from the list on the left to the correct example on the right.

Note: You will receive partial credit for each correct answer.

Cloud Computing Service Models**Answer Area****Examples**

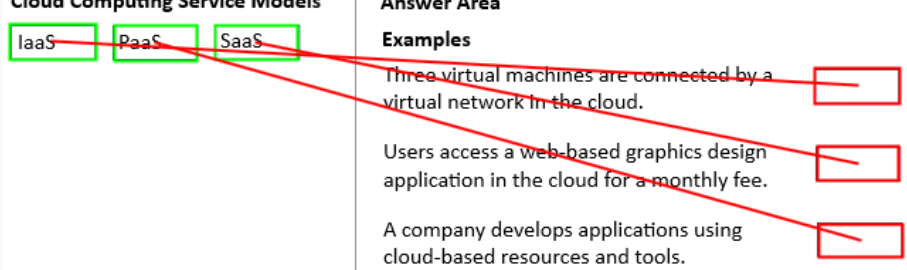
Three virtual machines are connected by a virtual network in the cloud.

Users access a web-based graphics design application in the cloud for a monthly fee.

A company develops applications using cloud-based resources and tools.

Suggested Answer:

Cloud Computing Service Models	Answer Area
IaaS	Examples
PaaS	Three virtual machines are connected by a virtual network in the cloud.
SaaS	Users access a web-based graphics design application in the cloud for a monthly fee.
	A company develops applications using cloud-based resources and tools.



Currently there are no comments in this discussion, be the first to comment!

DRAG DROP -

Move each protocol from the list on the left to the correct TCP/IP model layer on the right.

Note: You will receive partial credit for each correct match.

Protocols

TCP	IP
FTP	Ethernet

Answer Area**TCP Model Layer**

Application	<input type="text"/>
Transport	<input type="text"/>
Internetwork	<input type="text"/>
Network	<input type="text"/>

Suggested Answer:

Protocols

TCP	IP
FTP	Ethernet

Answer Area**TCP Model Layer**

Application	<input type="text"/>
Transport	<input type="text"/>
Internetwork	<input type="text"/>
Network	<input type="text"/>

Currently there are no comments in this discussion, be the first to comment!

DRAG DROP -

Move each protocol from the list on the left to its correct example on the right.

Protocols

DHCP

DNS

ICMP

Answer Area**Examples**

Perform a query to translate companypro.net to an IP address.

Assign the reserved IP address 10.10.10. 200 to a web server at your company.

Perform a ping to ensure that a server is responding to network connections.

Suggested Answer:

Protocols

DHCP

DNS

ICMP

Answer Area**Examples**

Perform a query to translate companypro.net to an IP address.

Assign the reserved IP address 10.10.10. 200 to a web server at your company.

Perform a ping to ensure that a server is responding to network connections.

Currently there are no comments in this discussion, be the first to comment!

During the data encapsulation process, which OSI layer adds a header that contains MAC addressing information and a trailer used for error checking?

- A. Network
- B. Transport
- C. Session
- D. Data Link

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

A host is given the IP address 172.16.100.25 and the subnet mask 255.255.252.0.

What is the CIDR notation for this address?

- A. 172.16.100.25 /21
- B. 172.16.100.25 /22
- C. 172.16.100.25 /23
- D. 172.16.100.25 /20

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Which address is included in the 192.168.200.0/24 network?

- A. 192.168.1.13
- B. 192.168.200.13
- C. 192.168.199.13
- D. 192.168.201.13

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

What is the most compressed valid format of the IPv6 address 2001:0db8:0000:0016:0000:001b:2000:0056?

- A. 2001:db8:0:16::1b:2000:56
- B. 2001:db8::16::1b:2000:56
- C. 2001:db8:16::1b:2:56
- D. 2001:db8::16::1b:2:56

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

Which two statements are true about the IPv4 address of the default gateway configured on a host? (Choose two.)

Note: You will receive partial credit for each correct selection.

- A. The IPv4 address of the default gateway must be the first host address in the subnet.
- B. The default gateway is the Loopback0 interface IPv4 address of the router connected to the same local network as the host.
- C. The default gateway is the IPv4 address of the router interface connected to the same local network as the host.
- D. The same default gateway IPv4 address is configured on each host on the local network.
- E. Hosts learn the default gateway IPv4 address through router advertisement messages.

Suggested Answer: *CD*

Currently there are no comments in this discussion, be the first to comment!

A local company requires two networks in two new buildings. The addresses used in these networks must be in the private network range.

Which two address ranges should the company use? (Choose two.)

Note: You will receive partial credit for each correct selection.

- A. 11.0.0.0 to 11.255.255.255
- B. 192.168.0.0 to 192.168.255.255
- C. 172.16.0.0 to 172.31.255.255
- D. 192.16.0.0 to 192.16.255.255

Suggested Answer: *BC*

Currently there are no comments in this discussion, be the first to comment!

A support technician examines the front panel of a Cisco switch and sees 4 Ethernet cables connected in the first four ports. Ports 1, 2, and 3 have a green LED. Port 4 has a blinking green light.

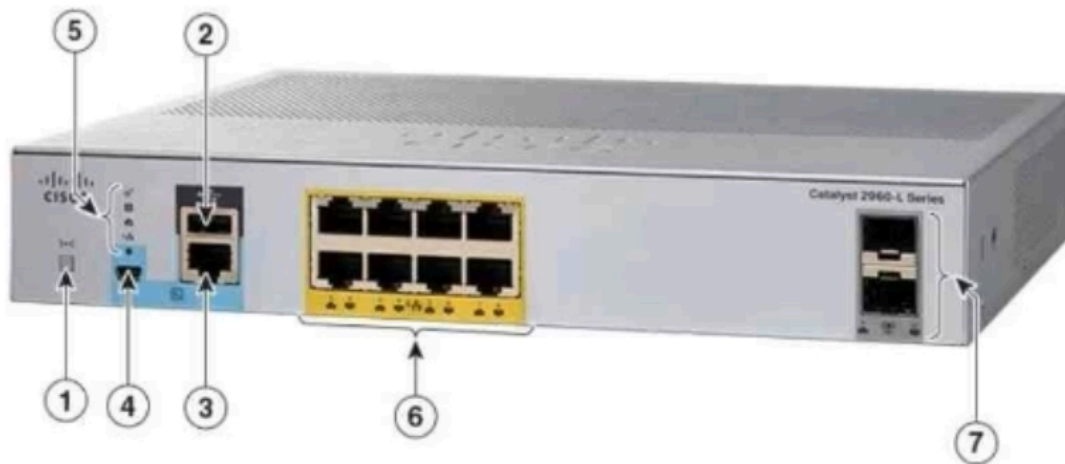
What is the state of the Port 4?

- A. Link is up and there is no activity.
- B. Link is up and active.
- C. Link is up with cable malfunctions.
- D. Link is up and not stable.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

A Cisco PoE switch is shown in the following image. Which type of port will provide both data connectivity and power to an IP phone?



- A. Port identified with number 2
- B. Ports identified with numbers 3 and 4
- C. Ports identified with number 6
- D. Ports identified with number 7

Suggested Answer: C

Currently there are no comments in this discussion, be the first to comment!

You need to connect a computer's network adapter to a switch using a 1000BASE-T cable.
Which connector should you use?

- A. RJ-45
- B. OS2 LC
- C. Coax
- D. RJ-11

Suggested Answer: A

Currently there are no comments in this discussion, be the first to comment!

You want to store files that will be accessible by every user on your network.
Which endpoint device do you need?

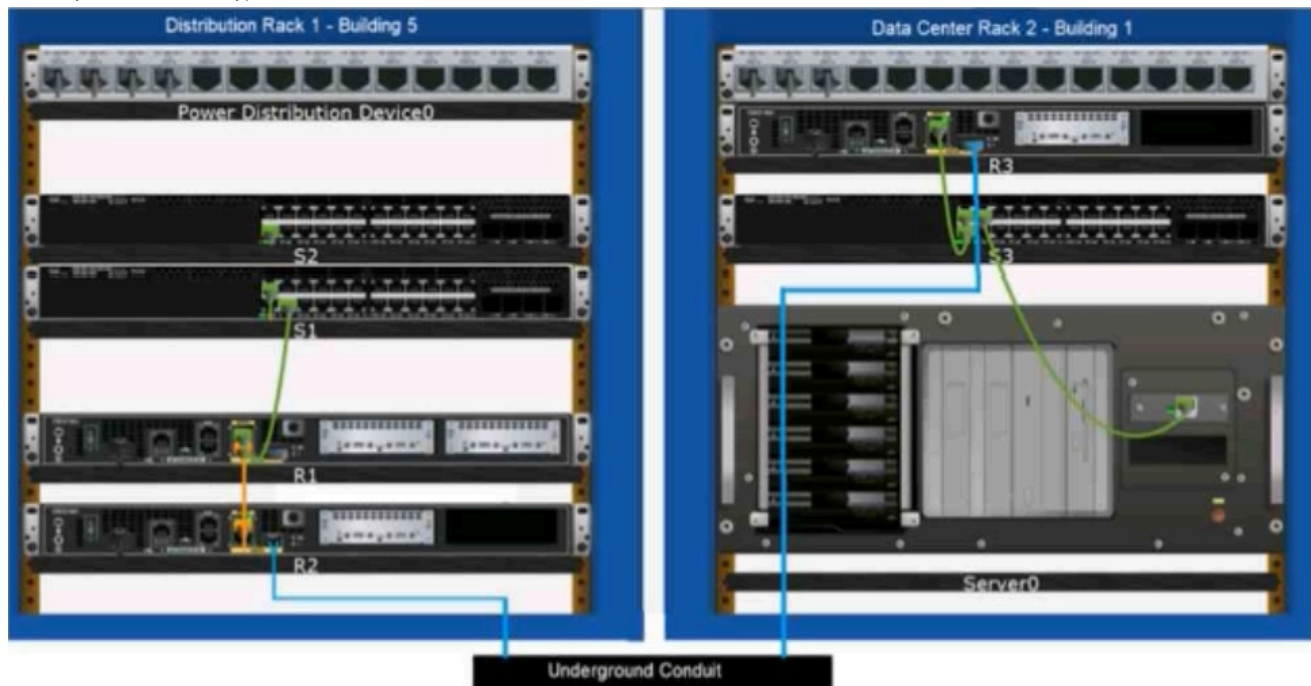
- A. Switch
- B. Access point
- C. Hub
- D. Server

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

DRAG DROP -

Examine the connections shown in the following image. Move the cable types on the right to the appropriate connection description on the left. You may use each cable type more than once or not at all.



Note: You will receive partial credit for each correct response.

Cable Types

Coaxial Cable

Console Cable

Crossover UTP Cable

Fiber Optic Cable

Straight-through UTP Cable

Answer Area**Connections**

Connects Switch S1 to Router R1 Gi0/0/1 interface

Connects Router R2 Gi0/0/0 to Router R3 Gi0/0/0 via underground conduit

Connects Router R1 Gi0/0/0 to Router R2 Gi0/0/1

Connects Switch S3 to Server0 network interface card

Suggested Answer:**Cable Types**

Coaxial Cable

Console Cable

Crossover UTP Cable

Fiber Optic Cable

Straight-through UTP Cable

Answer Area**Connections**

Connects Switch S1 to Router R1 Gi0/0/1 interface

Connects Router R2 Gi0/0/0 to Router R3 Gi0/0/0 via underground conduit

Connects Router R1 Gi0/0/0 to Router R2 Gi0/0/1

Connects Switch S3 to Server0 network interface card

Which command will display the following output?

Image is command output that states the following.

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge, S - Switch, H - Host, I - IGMP,

Device ID	Local Intrfce	Holdtme	Capability	Platform	Port ID
esxi	Gig 0/5	177	S	VMware ES	vmnic0
esxi	Gig 0/7	177	S	VMware ES	vmnic1
esxi	Gig 0/6	177	S	VMware ES	vmnic2
981888fc23a7	Gig 0/47	160	R S	Meraki MR	Port 0
3456fec1d08	Gig 0/1	178	S	MS120-8LP	Port 9"

- A. show inventory
- B. show cdp neighbor
- C. show mac-address-table
- D. show ip interface

Suggested Answer: B

Currently there are no comments in this discussion, be the first to comment!

A Cisco switch is not accessible from the network. You need to view its running configuration. Which out-of-band method can you use to access it?

- A. Telnet
- B. Console
- C. SNMP
- D. SSH

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!