Cisco

Exam 640-875

Building Cisco Service Provider Next-Generation Networks, Part 1 (SPNGN1)

Verson: Demo

[Total Questions: 10]

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Topic break down

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Topic 1, IP Networks

Question No : 1 DRAG DROP - (Topic 1)

Drag the descriptions from the left to the correct layers of the hierarchical network model design on the right.

	Access Layer
where end-user devices connect into the network	Target
	Target
provides high-speed connectivity with low latency and offers a limited set of services and is designed to be highly available	Distribution Layer
provides policy-based network connectivity	Target
most feature-rich layer and provides security services such as port security	Core Layer
	Target

Answer:

Drag the descriptions from the left to the correct layers of the hierarchical network model design on the right.

	Access Layer
where end-user devices connect into the network	where end-user devices connect into the network
provides high-speed connectivity with low latency and offers a limited set of services and is designed to be highly available	most feature-rich layer and provides security services such as port security
provides policy-based network connectivity	Distribution Layer
most feature-rich layer and provides security services such as port security	provides policy-based network connectivity
	Core Layer
	provides high-speed connectivity with low latency and offers a limited set of services and is designed to be highly available

Topic 2, IPv4 and IPv6 Addressing

Question No : 2 - (Topic 2)

Given a ring topology, which loop prevention mechanism provides the fastest reconvergence time after a link failure?

A. Rapid Per-VLAN Spanning Tree Protocol

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B. Resilient Ethernet Protocol

C. Multiple Spanning Tree Protocol

D. Spanning Tree Protocol

Answer: B

Question No : 3 DRAG DROP - (Topic 2)

Drag the IPv4 leading address bits on the left and drop them on the correct type of IPv4 addresses on the right. Not all options on the left are used.

11110	Class A
1110	Class B
110	Class C
10	Multicast
0	

Answer:

Drag the IPv4 leading address bits on the left and drop them on the correct type of IPv4 addresses on the right. Not all options on the left are used.

11110	0
1110	10
110	110
10	1110
0	

Topic 4, Routed Network Technologies

Question No : 4 - (Topic 4)

When EIGRP is enabled on Cisco IOS XR, which EIGRP feature is on by default?

A. no auto-summary

B. stub routing

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C. unequal cost paths load-balancing

D. no ip eigrp split-horizon

E. eigrp authentication

Answer: A

Topic 5, IP Services

Question No : 5 - (Topic 5)

A centralized DHCP server has been setup for customer use. What command is required on the customer Switched Virtual Interface (SVI) to allow clients to receive addresses from this server?

A. switch(config-if)#ip helper-address

B. switch(config)#ip helper-address

C. switch(config-if)#ip dhcp-address

D. switch(config-if)#ip dhcp-gateway

E. switch(config-if)#helper-address

Answer: A

Topic 6, Cisco Operating Systems and Platforms

Question No : 6 DRAG DROP - (Topic 6)

Drag each Cisco IOS XR command from the left and drop it on the correct output description on the right.

show config	displays the current committed configuration
show config merge	displays a list of configuration events
show config changes	displays configuration changes to be made during a replace operation
show config history	displays uncommitted items configured in the current configuration session
show config sessions	displays what the running configuration would be after the current target configuration is committed
show running-config	displays the active configuration ID, source, user, date, and time

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Answer:

Drag each Cisco IOS XR command from the left and drop it on the correct output description on the right.

show config	show running-config
show config merge	show config history
show config changes	show config changes
show config history	show config
show config sessions	show config merge
show running-config	show config sessions

Topic 8, Security in the Network

Question No : 7 - (Topic 8)

Which three statements about the Cisco IOS XR task-based user authorization method are true? (Choose three.)

A. A user's association with a particular user group links that user to a particular set of task IDs. A user that is associated with a task ID can execute any operation associated with that task ID.
B. Users can be assigned only to one user group.
C. Every user group is associated with one or more task groups.
D. Every task group is defined by a set of task IDs.
E. Each user is assigned a privilege level.
F. Each IOS XR CLI command is assigned a privilege level.
G. A task ID maps the IOS XR command to a privilege level.

Answer: A,C,D

Topic 9, Network Management

Question No : 8 - (Topic 9)

Refer to the exhibit.

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```
S78#show monitor session 1

Session 1
--------------
Type: Local Session
Source Ports:
    RX Only: Fa0/3
    TX Only: Fa0/4
    Both: Fa0/1-2
Destination Ports: Gi0/1
    Encapsulaticn: Native
        Ingress: Disabled
```

Which statement about this show command output is true?

A. The S78 switch is performing remote-SPAN.
B. All traffic that ports Fa0/1, Fa0/2, Fa0/3, and Fa0/4 send and receive is monitored.
C. All traffic that port Gi0/1 sends and receives is monitored.
D. The sniffer (network analyzer) should be connected to the Gi0/1 port.
E. The SPAN destination interface replicates the source interface encapsulation method.

Answer: D

Question No : 9 HOTSPOT - (Topic 9)

Instructions

- Enter the proper CLI show commands and analysis the show outputs on the Cisco devices to answer the multiple-choice questions.
- Not all show commands or show command options are supported or are required in this simulation.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- From the Device CLI Access diagram, click on the network device icons to gain access to the console of the network devices.
- No console or enable passwords are required.
- To access the four multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.
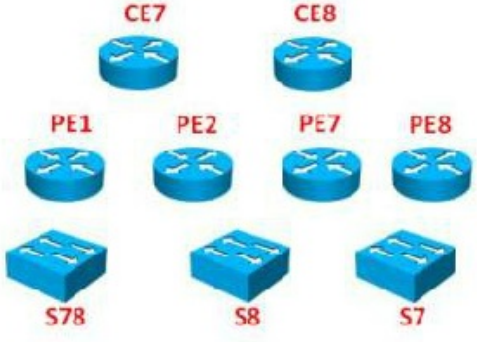
Scenario

Three topology maps are shown. Using the appropriate show commands, map out the network to identify the correct topology map. Once you determine the correct network topology, answer the four multiple choice questions.

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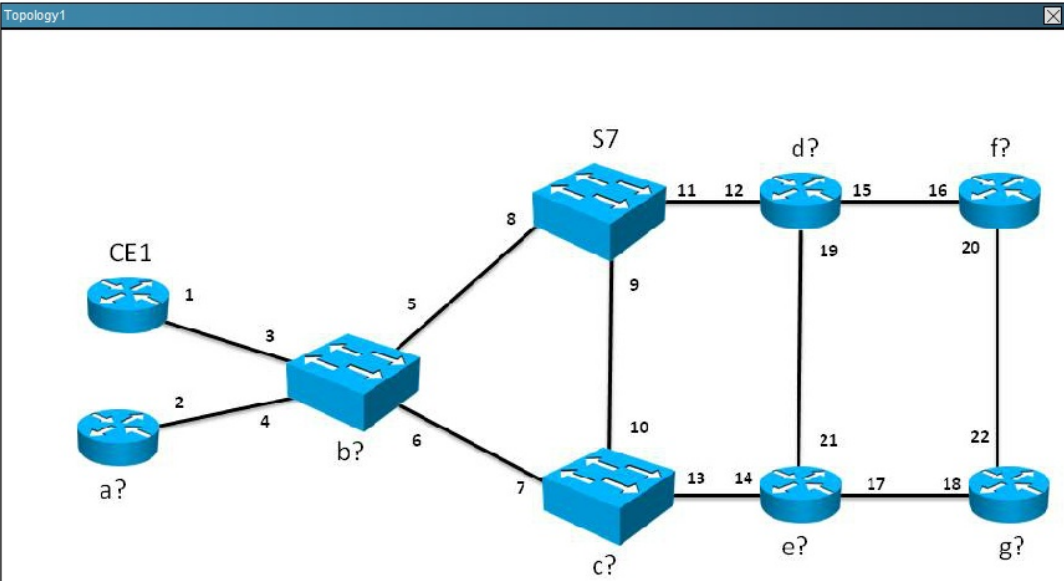
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Device CLI Access

Click on the switch or router icon to access the device CLI.
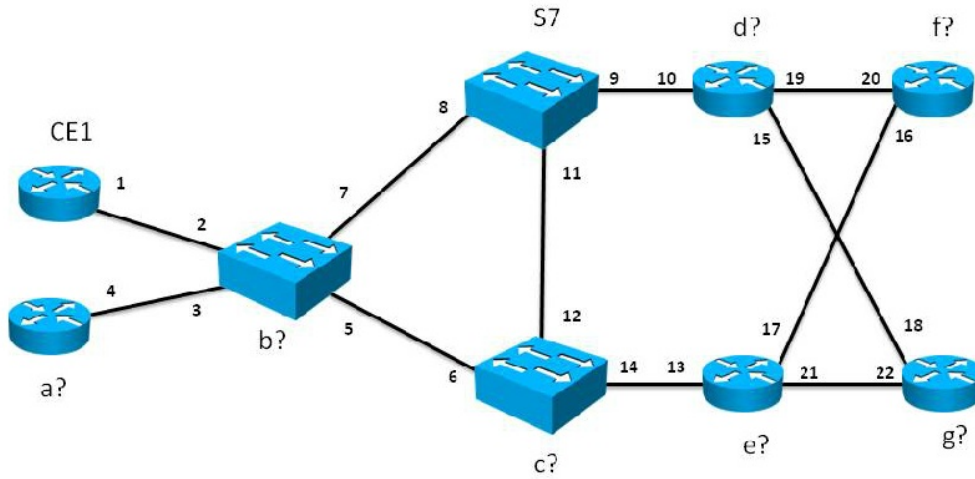Use the appropriate show command to discover and map out the correct network topology.

CE7   CE8

PE1   PE2   PE7   PE8

S78   S8   S7

Click on one of the boxes below to view the actual network topology diagram.
Only one of the network topology diagram is the correct one.

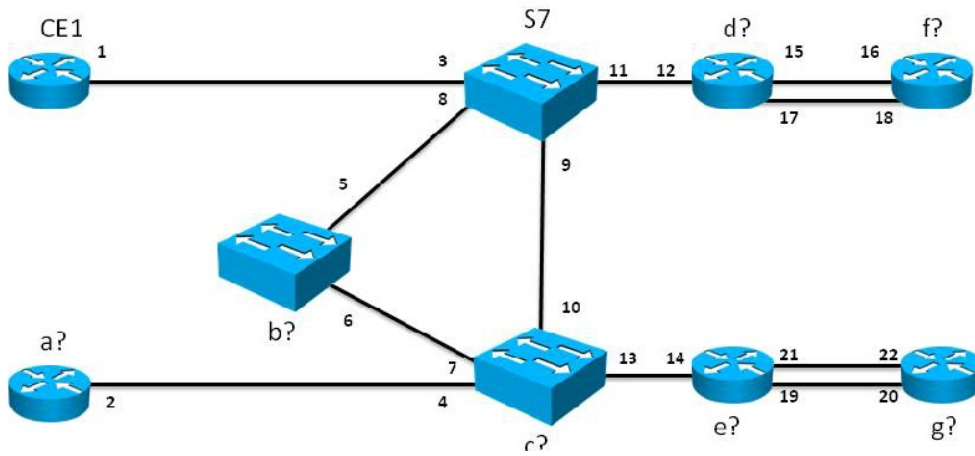Topology 1   Topology 2   Topology 3

Topology1

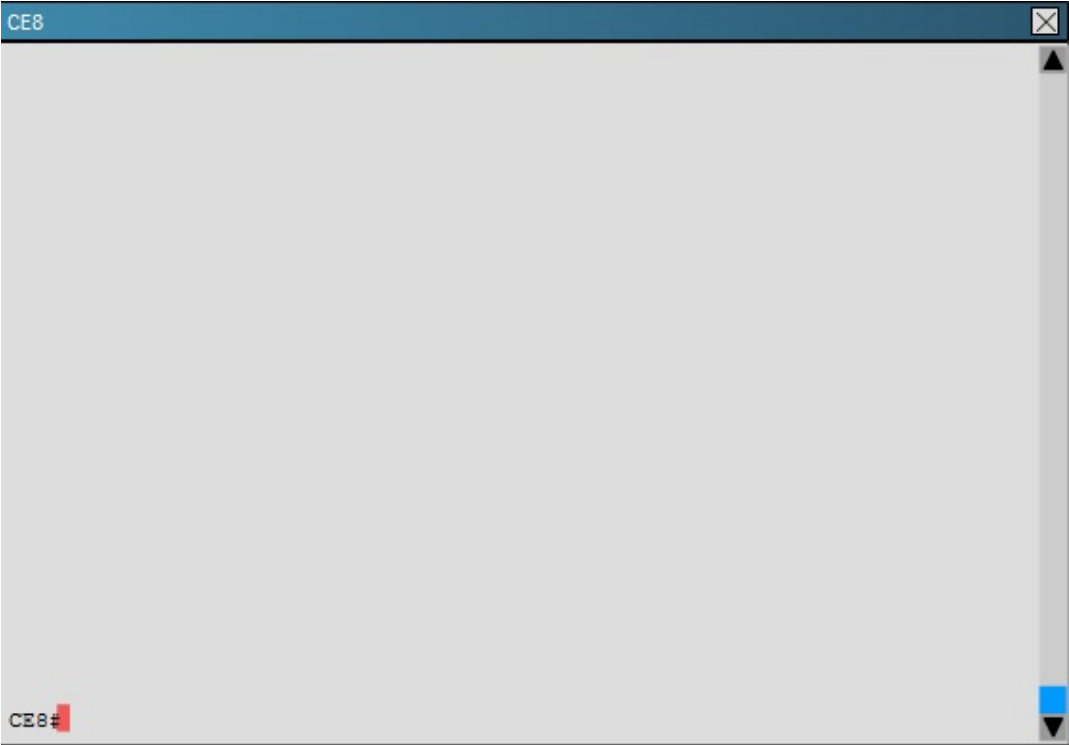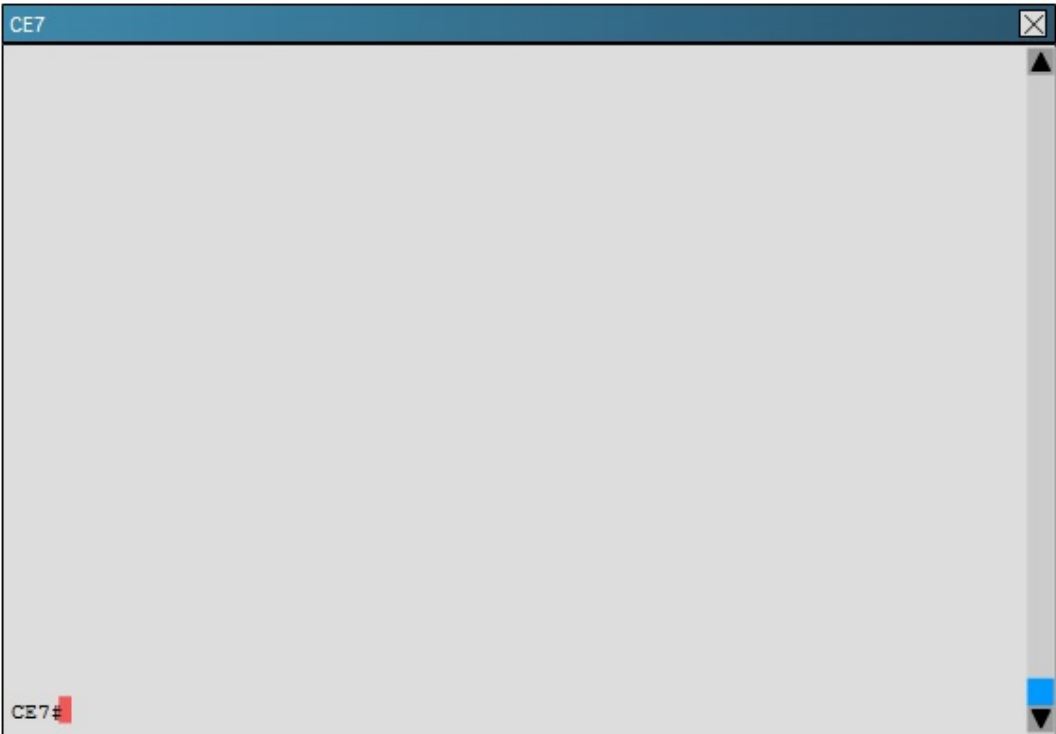ExamsLand provides 100% free Cisco 640-875 practice questions and answers in pdf. Instant access.

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Topology2

S7   d?   f?

CE1

9   10   19   20

8

11   15   16

1

7

2

12   17   18

4

3

5

b?   14   13   21   22

6

a?   e?   g?

c?

Topology3

CE1   S7   d?   f?

1   15   16

3   11   12

8   17   18

5

9

10

a?   b?   6

7   13   14   21   22

2   4   19   20

c?   e?   g?

CE7 ☒

```
CE7#
```

CE8 ☒

```
CE8#
```

PE1

PE1#
PE1#

PE2

PE2#

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PE8

PE8#

S78

S78#

S8

S8#

S7

S7#

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Questions	☒

1
2
3
4
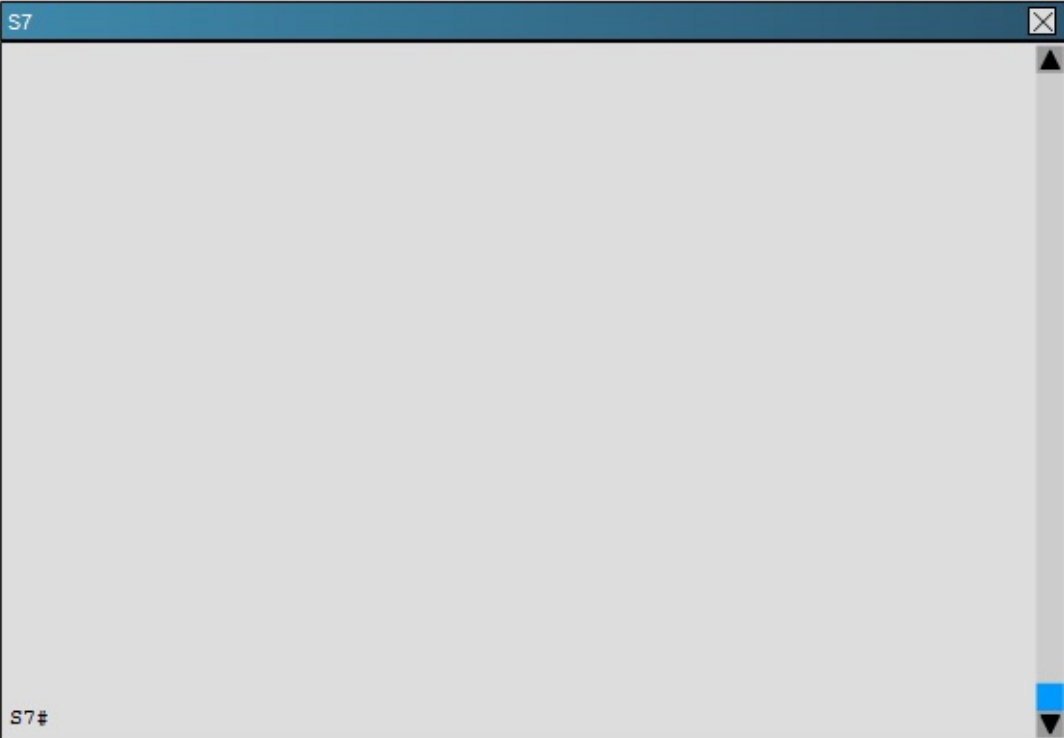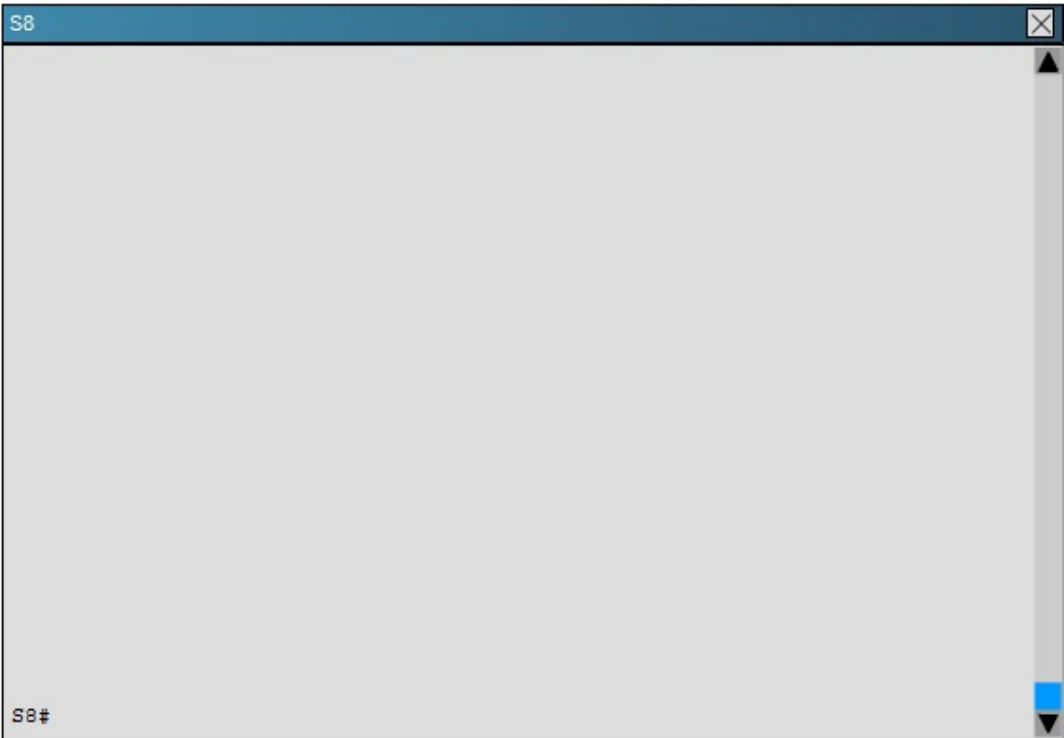
Which interface is the correct interface for the interface numbered as 13 in the correct network diagram?

○ Gi0/0/0

○ Gi0/0/1

○ Gi0/0/2

○ Gi0/0/3

○ Gi0/0/5

○ Gi0/0/9

Answer:

Questions	☒

1
2
3
4

Which interface is the correct interface for the interface numbered as 13 in the correct network diagram?

⌐
○| Gi0/0/0

○ Gi0/0/1

○ Gi0/0/2

○ Gi0/0/3

○ Gi0/0/5

○ Gi0/0/9

Explanation:

Gi0/0/0

Correct network topology is Topology 2

Use "show cdp neighbor" to check and determine the topology.

Topic 10, Mix Questions

Question No : 10 - (Topic 10)

With a distance vector routing protocol like RIPv1, when is a route in the routing table placed in the "possibly down" state?

A. When a router receives an update from its neighbor router about a network in its routing table but with a worse metric

B. When a router receives an update from its neighbor router about a network in its routing table but with a better metric

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C. When a router receives an update from its neighbor router indicating that a previously accessible network is now inaccessible

D. Whenever the router receives an update from its neighbor about a newly learned network

E. Whenever the router interface that is used to reach the remote network goes down

Answer: C

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