



300-101^{Q&As}

Implementing Cisco IP Routing

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QUESTION 1

Drag and drop the statements about device security from the left onto the correct description on the right. MPP and COPP

Select and Place:

- It designates the permitted management interfaces on the device.
- It is enabled only when an interface is configured.
- It protects the device against DoS attacks.
- It requires only a single command to configure.
- It supports packet forwarding by reducing the load on the device.
- It uses QoS to limit the load on the device.

COPP

MPP

nneettwoorrkkiinnge & ANN

Correct Answer:

COPP

It protects the device against DoS attacks.

It supports packet forwarding by reducing the load on the device.

It uses QoS to limit the load on the device.

MPP

It designates the permitted management interfaces on the device.

It is enabled only when an interface is configured.

It requires only a single command to configure.

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QUESTION 2

What type of IPv6 packet will indicate traffic from single host and single node?

- A. multicast
- B. unicast
- C. broadcast
- D. anycast

Correct Answer: B

IPv6 has three types of addresses, which can be categorized by type and scope:

Unicast addresses. A packet is delivered to one interface. Multicast addresses. A packet is delivered to multiple interfaces. Anycast addresses. A packet is delivered to the nearest of multiple interfaces (in terms of routing distance).

QUESTION 3

Refer to the exhibit.

R1#show ipv6 neighbor

IPv6 Address	Age	Link-layer Addr	State	Interface
FE80::21E:79FF:FEAB:3141	2	001e.79ab.3141	STALE	Gi0/1

Which statement about this neighbor of R1 is true?

- A. OSPFv3 adjacency has been lost, which causes the neighbor to be considered Stale.
- B. Aggregate global addresses are always used between IPv6 neighbors.
- C. OSPFv3 adjacency will not work between link-local addresses.
- D. R1 used ICMP to learn about this neighbor.

Correct Answer: D

ICMP is a ping echo. IPv6 uses ICMP to learn about its neighbor.

QUESTION 4

Which two statements about NTP stratum are true? (Choose two)

- A. Stratum 15 indicates a device that is not synchronized



- B. Stratum 1 devices receive their time from a peer that is connected directly to an authoritative time source.
- C. The highest stratum level a synchronized device can have is 16
- D. Stratum 2 devices receive their time from a peer that is connected directly to an authoritative time source
- E. Stratum 0 devices are connected directly to an authoritative time source
- F. Stratum 1 devices are connected directly to an authoritative time source

Correct Answer: DF

QUESTION 5

DRAG DROP

Drag and drop the DMVPN components from the left onto the correct descriptions on the right.

Select and Place:

hub	device that acts as the next-hop server
mGRE	device that is usually identified with a dynamic address
NHRP	protocol that allows spokes to communicate directly with one another
spoke	technology that allows one interface to support multiple tunnels

Correct Answer:



hub

spoke

NHRP

mGRE

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