

DUMP STEP
Question & Answer

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Exam : **400-101**

Title : CCIE Routing and Switching
Written Exam

Version : DEMO

1.Which protocol does a host use to request IPv6 multicast traffic?

- A. MLD
- B. SSM
- C. IGMPv3
- D. PIM6

Answer: A

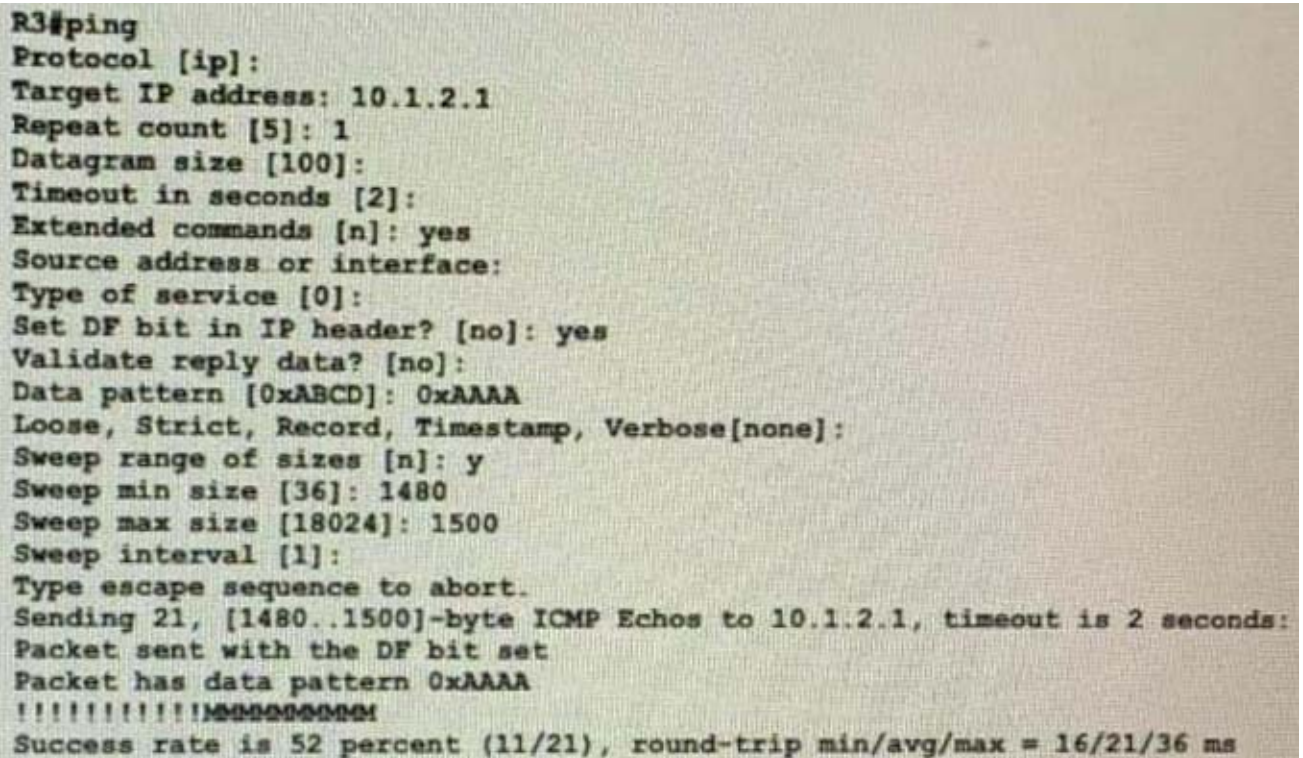
2.Your network supports numerous devices that reside on different datalink segments within the same IP subnet.

Which feature can you implement to enable the devices to resolve IP-to-MAC address mappings?

- A. ARP
- B. Inverse ARP
- C. Reverse ARP
- D. Proxy ARP

Answer: D

3.Refer to the exhibit.



```
R3#ping
Protocol [ip]:
Target IP address: 10.1.2.1
Repeat count [5]: 1
Datagram size [100]:
Timeout in seconds [2]:
Extended commands [n]: yes
Source address or interface:
Type of service [0]:
Set DF bit in IP header? [no]: yes
Validate reply data? [no]:
Data pattern [0xABCD]: 0xAAAA
Loose, Strict, Record, Timestamp, Verbose[none]:
Sweep range of sizes [n]: y
Sweep min size [36]: 1480
Sweep max size [18024]: 1500
Sweep interval [1]:
Type escape sequence to abort.
Sending 21, [1480..1500]-byte ICMP Echos to 10.1.2.1, timeout is 2 seconds:
Packet sent with the DF bit set
Packet has data pattern 0xAAAA
!!!!!!!!!!!!
Success rate is 52 percent (11/21), round-trip min/avg/max = 16/21/36 ms
```

What is the maximum size of a packet that can be sent successfully from R3 to 10.1.2.1 without enabling fragmentation?

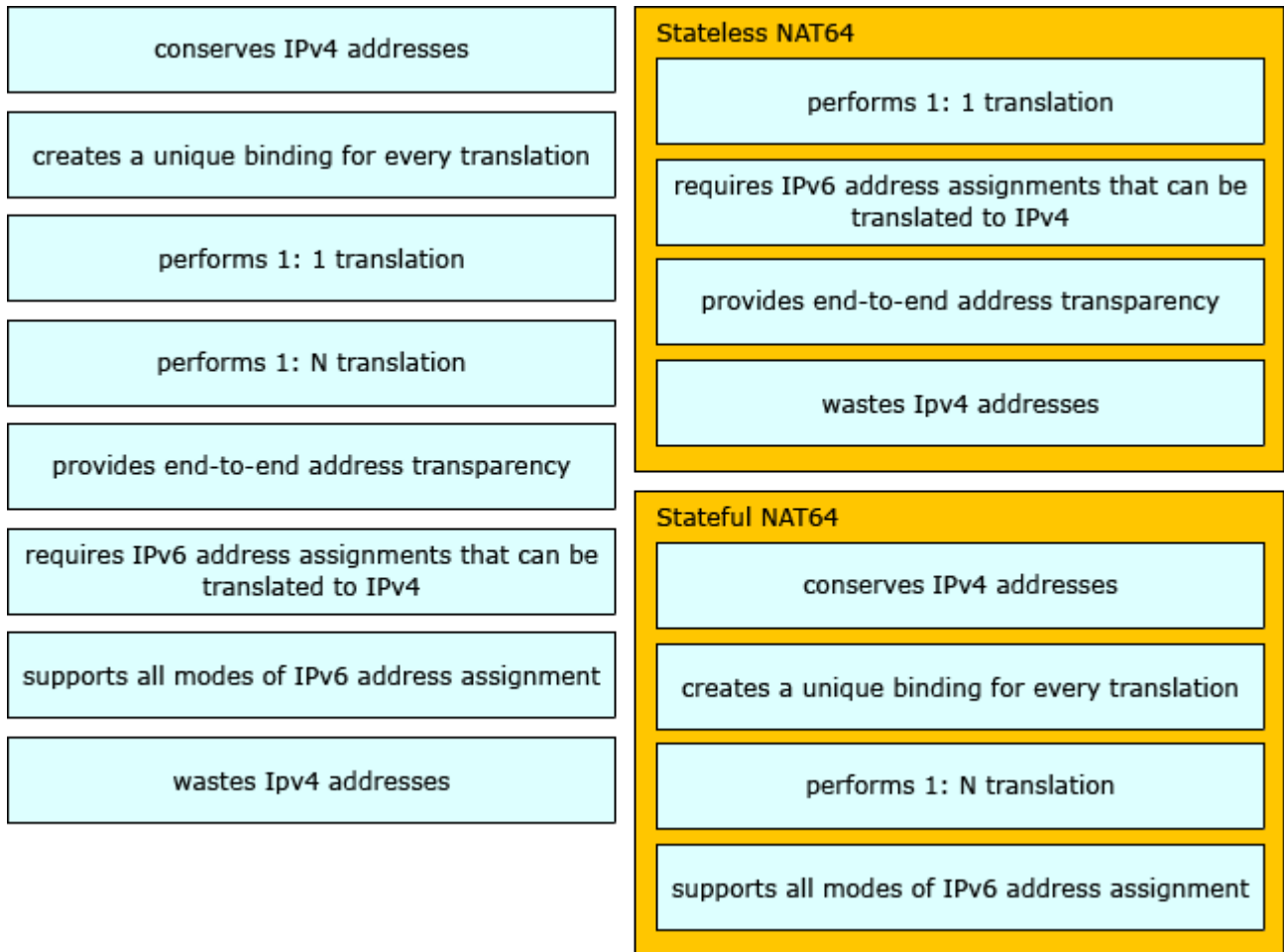
- A. 1480 bytes
- B. 1479 bytes
- C. 1490 bytes
- D. 1500 bytes
- E. 1501 bytes
- F. 1521 bytes

Answer: C

4. Drag and drop each NAT64 description from the left onto the corresponding NAT64 type on the right

conserves IPv4 addresses	Stateless NAT64
creates a unique binding for every translation	
performs 1: 1 translation	
performs 1: N translation	
provides end-to-end address transparency	Stateful NAT64
requires IPv6 address assignments that can be translated to IPv4	
supports all modes of IPv6 address assignment	
wastes Ipv4 addresses	

Answer:



5.What is the source MAC address of a BPDU frame that is sent out of port?

- A. the same as the MAC address in the bridge ID
- B. the lowest MAC address on the switch
- C. the highest MAC address on the switch
- D. the MAC address of the individual port that is sending the BPDU

Answer: D