

## Nokia.4A0-D01.v2026-01-07.q15

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### NEW QUESTION: 1

Which of the following is NOT one of the reasons why BGP is used as the routing protocol in the data center?

- A. It supports both IPv4 and IPv6.
- B. It is more efficient than link-state protocols like IS-IS and OSPF.
- C. BGP neighbors automatically discover each other.
- D. It is a well understood and mature routing protocol.

**Answer: B (LEAVE A REPLY)**

BGP is not chosen because it is more efficient than link-state protocols; in fact, link-state protocols like IS-IS and OSPF generally provide faster convergence and more efficient route calculation. BGP is used in data centers mainly because it is mature, well understood, supports both IPv4 and IPv6, and offers flexible policy control.

### NEW QUESTION: 2

Which of the following statements about multi-homing in EVPN is FALSE?

- A. Type 1 Ethernet Auto-Discovery (A-D) EVPN route is used to support EVPN multi-homing.
- B. Type 4 Ethernet Segment (ES) EVPN route is used for designated forwarder (DF) election for an ES.
- C. The ES identifier (ESI) uniquely identifies an ES and it is locally significant for a particular leaf.
- D. The Ethernet Segment (ES) identifies a set of links that connects a host to one or more leaves.

**Answer: C (LEAVE A REPLY)**

The Ethernet Segment Identifier (ESI) uniquely identifies an Ethernet Segment (ES) globally across the EVPN domain, not just locally for a particular leaf.

### NEW QUESTION: 3

Which of the following statements about SR Linux interfaces is FALSE?

- A. Only one management interface is allowed.

- B. Network interfaces are associated with physical ports on the linecards.
- C. The loopback interface is a physical interface directly connected to another interface on the same chassis.
- D. Layer 2 parameters such as MTU are configured at the SR Linux interface level while Layer 3 parameters are configured at the subinterface level.

**Answer:** ([SHOW ANSWER](#))

The loopback interface in SR Linux is a logical, virtual interface used for management and routing purposes; it is not a physical interface directly connected to another interface on the same chassis.

**NEW QUESTION: 4**

Which of the following statements about resilient ECMP load balancing is TRUE?

- A. The hash value used to distribute traffic is calculated as a modulo function on specific fields of the packet header.
- B. Hash buckets are used to ensure that flows egressing the same interface on one router use different egress interfaces on downstream routers.
- C. A different hash seed is used on downstream routers to ensure that flows are randomly distributed across all eligible router interfaces.
- D. When one of the next-hops fail, only flows currently egressing to that next-hop are impacted.

**Answer:** ([SHOW ANSWER](#))

In resilient ECMP load balancing, when a next-hop fails, only the flows that were using that specific next-hop are affected and need to be redistributed, minimizing disruption to other flows.

**NEW QUESTION: 5**

Examine the exhibit. Which of the following statements is TRUE?

```
A:dc-leaf-1# show route-table ipv4-unicast summary
```

IPv4 Unicast route table of network instance default								
Prefix	ID	Active	Owner	Metric	Pref	Next-hop (Type)	Next-hop Interface	
...								
192.168.20.0/30	0	true	static	1	5	10.1.1.0 (indirect)	None	
						10.2.1.0 (indirect)	None	

- A. A recursive lookup is performed to resolve 10.2.1.0 to use 10.1.1.0.
- B. A recursive lookup is performed to resolve 10.1.1.0 to use 10.2.1.0.
- C. The next-hop group for this static route is configured with two next-hops.
- D. The next-hop selected for this route will be based on the preference value configured for each next-hop.

**Answer:** C ([LEAVE A REPLY](#))

The static route shows two next-hop IP addresses (10.1.1.0 and 10.2.1.0) listed, indicating that a next-hop group with multiple next-hops is configured for load balancing or redundancy.

### NEW QUESTION: 6

Which of the following statements about the MAC table shown in the exhibit output is FALSE?

```
A:dc-leaf-1# show network-instance mac-vrf-1 bridge-table mac-table all
```

address	Destination	Dest Index	Type	Active	Aging	Last Update
00:02:01:FF:00:41	irb-interface	0	irb-interface	true	N/A	2021-12-08T21:10:17.000
00:25:BA:00:00:10	ethernet-1/10.0	3	duplicate	true	N/A	2021-12-10T20:41:22.000
00:25:BA:00:00:11	ethernet-1/11.0	4	learnt	true	290	2021-12-10T19:41:07.000

  

Total Irb Macs	:	1	Total	1	Active
Total Static Macs	:	0	Total	0	Active
Total Duplicate Macs	:	1	Total	1	Active
Total Learnt Macs	:	1	Total	1	Active
Total Macs	:	3	Total	3	Active

- A. The MAC address 00:25: BA:00:00:10 is learnt on more than one interface.
- B. The MAC re-learning rate has exceeded the threshold within the specified time frame.
- C. [interface ethernet-1/10 is configured with the MAC address 00:25:BA:00:00:10.
- D. Mac-duplication detection is enabled in mac-vrf-1.

**Answer: A (LEAVE A REPLY)**

The MAC address 00:25:BA:00:00:10 is listed as "duplicate," but it appears only once associated with interface ethernet-1/10. Therefore, it is not learned on more than one interface.

### NEW QUESTION: 7

Based on the exhibit output, which of the following is NOT the reason the user runs the "baseline diff" command?

user admin **NOKIA**

```
A:dc-leaf-1# enter candidate private
--{ + candidate private private-admin }--[ ]--
A:dc-leaf-1# interface lol subinterface 0 ipv4 address 200.1.1.1/32
--{ + candidate private private-admin }--[ interface lol subinterface 0 ipv4 address
200.1.1.1/32 ]--
A:dc-leaf-1#
--{ + candidate private private-admin }--[ ]--
A:dc-leaf-1# baseline diff
      interface ethernet-1/1 {
-         admin-state disable
      }
```

- A. User admin is not able to commit their changes.
- B. Another user has committed changes.
- C. User admin wants to check if there are differences between the current running config and their baseline datastore.
- D. User admin notices that "!" appears in the CLI prompt.

**Answer: A (LEAVE A REPLY)**

The "baseline diff" command is used to compare the candidate configuration against the baseline datastore to see changes or conflicts, especially when multiple users are involved or to verify differences. It does not indicate that the user is unable to commit changes.

**NEW QUESTION: 8**

Which of the following statements about the data center's leaf-spine topology (clos network) is FALSE?

- A. Each leaf router is connected to all the spine routers in the cluster.
- B. It provides a consistent path for east-west traffic.
- C. It uses the spanning tree protocol to avoid forwarding loops.
- D. It uses ECMP to distribute traffic across duplicate links.

**Answer: C (LEAVE A REPLY)**

The leaf-spine (Clos) topology does not use the spanning tree protocol because it relies on equal-cost multipath (ECMP) routing to prevent loops and efficiently utilize all available paths. Spanning tree is typically avoided in modern data center fabrics to enable full bandwidth utilization.

**NEW QUESTION: 9**

Which of the following statements about the VXLAN tunneling in data centers is FALSE?

- A. VXLAN tunnel endpoints can be on hypervisors, leaf routers, or datacenter gateways.
- B. EVPN routes are exchanged between VXLAN tunnel endpoints.
- C. Each VXLAN tunnel endpoint is automatically assigned with a unique VNI value.
- D. VLXAN tunneling is used to provide Layer 2 connectivity between workloads over a common underlay network.

**Answer: C (LEAVE A REPLY)**

VXLAN tunnel endpoints (VTEPs) are configured with VNI (VXLAN Network Identifier) values, but these VNIs are not automatically assigned; they must be explicitly configured to define Layer 2 segments.

**NEW QUESTION: 10**

Which of the following is NOT one of the user types supported in Nokia SR Linux?

- A. SR Linux users
- B. Regular Linux OS users
- C. Container users
- D. Remote users

**Answer: D (LEAVE A REPLY)**

Nokia SR Linux supports SR Linux users, regular Linux OS users, and container users. "Remote users" is not a defined user type within SR Linux user management.

**NEW QUESTION: 11**

A static route is configured in two steps in Nokia's SR Linux. Which of the following items CANNOT be configured in the static-routes container?

- A. blackhole
- B. IPv4 destination prefix
- C. Preference value
- D. Next-hop group

**Answer: A (LEAVE A REPLY)**

The static-routes container in Nokia SR Linux does not support configuring a blackhole route directly; it is used to configure destination prefixes, preference values, and next-hop groups for static routing.

### NEW QUESTION: 12

Based on the exhibit output, which of the following statements is TRUE?

```
A:dc-leaf-2# tools system traffic-monitor protocol icmp
:
:
1      0.000000000    ethernet-1/10.0 192.168.201.2 192.168.101.2  ICMP  146    Echo (ping) request  id=0x4d00, seq=0/0, ttl=64
2      0.999071319    ethernet-1/10.0 192.168.201.2 192.168.101.2  ICMP  146    Echo (ping) request  id=0x4d00, seq=1/256,
ttl=64
3      0.999091850    ethernet-1/2.0  192.168.101.2 192.168.201.2  ICMP  146    Echo (ping) reply    id=0x4d00, seq=1/256,
ttl=62 (request in 2)
4      1.998173614      ethernet-1/10.0 192.168.201.2 192.168.101.2  ICMP  146    Echo (ping) request  id=0x4d00, seq=2/512,
ttl=64
5      1.999246136      ethernet-1/2.0  192.168.101.2 192.168.201.2  ICMP  146    Echo (ping) reply    id=0x4d00, seq=2/512,
ttl=62 (request in 4)
:
:
```

- A. An ACL filter is configured to accept ICMP packets, which are then processed by the tcpdump-like utility.
- B. capture-filter is configured to copy ICMP packets to the CPM where they are processed by the tcpdump-like utility.
- C. A cpm-filter policer is configured to rate limit ICMP packets, which are then captured in a log file.
- D. A cpm-filter is configured to accept ICMP packets, which are then captured in a log file.

**Answer: B (LEAVE A REPLY)**

The exhibit shows ICMP packets being captured and displayed by a tcpdump-like utility, which indicates that a capture-filter is configured to copy ICMP packets to the Control Plane Manager (CPM) where they are processed and monitored.

### NEW QUESTION: 13

Which of the following Nokia's SR Linux ACLs is instantiated on all line cards to copy incoming packets to the CPM?

- A. Capture-filter ACL
- B. CPM-filter ACL
- C. Ingress ACL
- D. Egress ACL

**Answer: (SHOW ANSWER)**

The CPM-filter ACL is instantiated on all line cards in Nokia's SR Linux to copy incoming packets to the Control Plane Manager (CPM) for processing.

### NEW QUESTION: 14

Which of the following is NOT one of the reasons why BGP is used as the routing protocol in the data center?

- A. It is more efficient than link-state protocols like IS-IS and OSPF.
- B. BGP neighbors automatically discover each other.
- C. It is a well understood and mature routing protocol.
- D. It supports both IPv4 and IPv6.

**Answer: A (LEAVE A REPLY)**

BGP is not chosen because it is more efficient than link-state protocols; in fact, link-state protocols like IS-IS and OSPF generally provide faster convergence and more efficient route calculation. BGP is used in data centers mainly because it is mature, well understood, supports both IPv4 and IPv6, and offers flexible policy control.

### NEW QUESTION: 15

Which of the following statements about a MAC-VRF is FALSE?

- A. A MAC-VRF is a Layer 2 network instance.
- B. Bridge table entries contain an exit interface for each destination address.
- C. Packets received in a MAC-VRF are forwarded based on destination IP address.
- D. Multiple devices can be connected to the same IP subnet using a MAC-VRF.

**Answer: (SHOW ANSWER)**

In a MAC-VRF, packets are forwarded based on Layer 2 information such as destination MAC addresses, not on destination IP addresses.

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