Nokia

4A0-D01

Nokia Data Center Fabric Fundamentals

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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 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

Explanation:
BGP is not chosen because it is more efficient than link-state protocols; in fact, link-state protocols like ISIS 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.

Question: 2

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

Explanation:
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.

Question: 3

Which of the following is NOT a function of Nokia's SR Linux application manager?

A. It monitors the health of all applications.
B. It manages the SR Linux and customer-defined applications.
C. It reads the application's configuration information and starts each application.
D. It translates the application's YANG model into protobufs for the IDB.

Answer: D

Explanation:
The SR Linux application manager does not perform the function of translating an application's YANG model into protobufs for the Interface DataBase (IDB). Its primary roles are managing applications, reading their configuration, and monitoring their health.

Question: 4

Which of the following statements about the YANG model used in Nokia's SR Linux is FALSE?

A. All configuration and state information is defined as a YANG model.
B. The YANG model uses a tree structure with "leafs" as the branches and "containers" as the data components.
C. The YANG model can be converted into other formats such as JSON or XML.
D. The YANG model provides a standardized way for applications to retrieve SR Linux configuration and state information.

Answer: B

Explanation:
In YANG models, "leafs" are the data nodes (not branches), and "containers" group related data nodes. The statement incorrectly reverses their roles by calling leafs branches and containers data components.

Question: 5

Which of the following is NOT one of the characteristics of Nokia's SR Linux?

A. It uses an unmodified Linux kernel that simplifies the use of third party applications.
B. It uses a modular, state-driven architecture that gives applications efficient access to system information.
C. It includes a NetOgs development kit that supports the integration of third-party applications.
D. It uses mature and stable SNMP protocol to access the command line interface.

Answer: D

Explanation:
Nokia's SR Linux does not rely on the SNMP protocol for accessing the command line interface; instead,

it uses modern, programmable interfaces aligned with its modular architecture.

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