

350-401^{Q&As}

Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

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QUESTION 1

How is a data modeling language used?

- A. To enable data to be easily structured, grouped validated, and replicated
- B. To represent finite and well-defined network elements that cannot be changed.
- C. To model the flows of unstructured data within the infrastructure.
- D. To provide human readability to scripting languages

Correct Answer: A

Customer needs are fast evolving. Typically, a network center is a heterogenous mix of various devices at multiple layers of the network. Bulk and automatic configurations need to be accomplished. CLI scraping is not flexible and optimal.

Re-writing scripts many times, even for small configuration changes is cumbersome. Bulk configuration changes through CLIs are error-prone and may cause system issues. The solution lies in using data models-a programmatic and

standards-based way of writing configurations to any network device, replacing the process of manual configuration. Data models are written in a standard, industry-defined language. Although configurations using CLIs are easier (more

human-friendly),

automating the configuration using data models results in scalability.

Reference:

https://www.cisco.com/c/en/us/td/docs/optical/ncs1000/60x/b_Datamodels_cg_ncs1000/b_Datamodels_cg_ncs1000_chapter_00.pdf

QUESTION 2

Refer to the exhibit.

```
vlan 222
  remote-span
!
vlan 223
  remote-span
!
monitor session 1 source interface FastEthernet0/1 tx
monitor session 1 source interface FastEthernet0/2 rx
monitor session 1 source interface port-channel 5
monitor session 1 destination remote vlan 222
!
```

What is the result when a technician adds the monitor session 1 destination remote vlan 223 command?

- A. The RSPAN VLAN is replaced by VLAN 223.
- B. RSPAN traffic is sent to VLANs 222 and 223.
- C. An error is flagged for configuring two destinations.
- D. RSPAN traffic is split between VLANs 222 and 223.

Correct Answer: A

QUESTION 3

Which level message does the WLC send to the syslog server?

- A. syslog level errors and less severity messages
- B. syslog level errors messages
- C. all syslog levels messages
- D. syslog level errors and greater severity messages

Correct Answer: D

QUESTION 4

DRAG DROP

Drag and drop the descriptions of the VSS technology from the left to the right. Not all options are used.

Select and Place:

supports devices that are geographically separated

supported on Cisco 3750 and 3850 devices

supported on the Cisco 4500 and 6500 series

combines exactly two devices

supports up to nine devices

uses proprietary cabling

VSS

Correct Answer:

supported on Cisco 3750 and 3850 devices

supported on the Cisco 4500 and 6500 series

combines exactly two devices

supports devices that are geographically separated

supported on the Cisco 4500 and 6500 series

supports up to nine devices

uses proprietary cabling

VSS

QUESTION 5

Where is radio resource management performed in a Cisco SD-Access wireless solution?

A. DNA Center

- B. control plane node
- C. wireless controller
- D. Cisco CMX

Correct Answer: C

Fabric wireless controllers manage and control the fabric-mode APs using the same general model as the traditional local-mode controllers which offers the same operational advantages such as mobility control and radio resource management. A significant difference is that client traffic from wireless endpoints is not tunneled from the APs to the wireless controller. Instead, communication from wireless clients is encapsulated in VXLAN by the fabric APs which build a tunnel to their first-hop fabric edge node. Wireless traffic is tunneled to the edge nodes as the edge nodes provide fabric services such as the Layer 3 Anycast Gateway, policy, and traffic enforcement.
<https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/cisco-sda-design-guide.html>

QUESTION 6

How does the RIB differ from the FIB?

- A. The RIB is used to create network topologies and routing tables. The FIB is a list of routes to particular network destinations.
- B. The FIB includes many routes a single destination. The RIB is the best route to a single destination.
- C. The RIB includes many routes to the same destination prefix. The FIB contains only the best route
- D. The FIB maintains network topologies and routing tables. The RIB is a list of routes to particular network destinations.

Correct Answer: A

RIB is derived from the control plane,

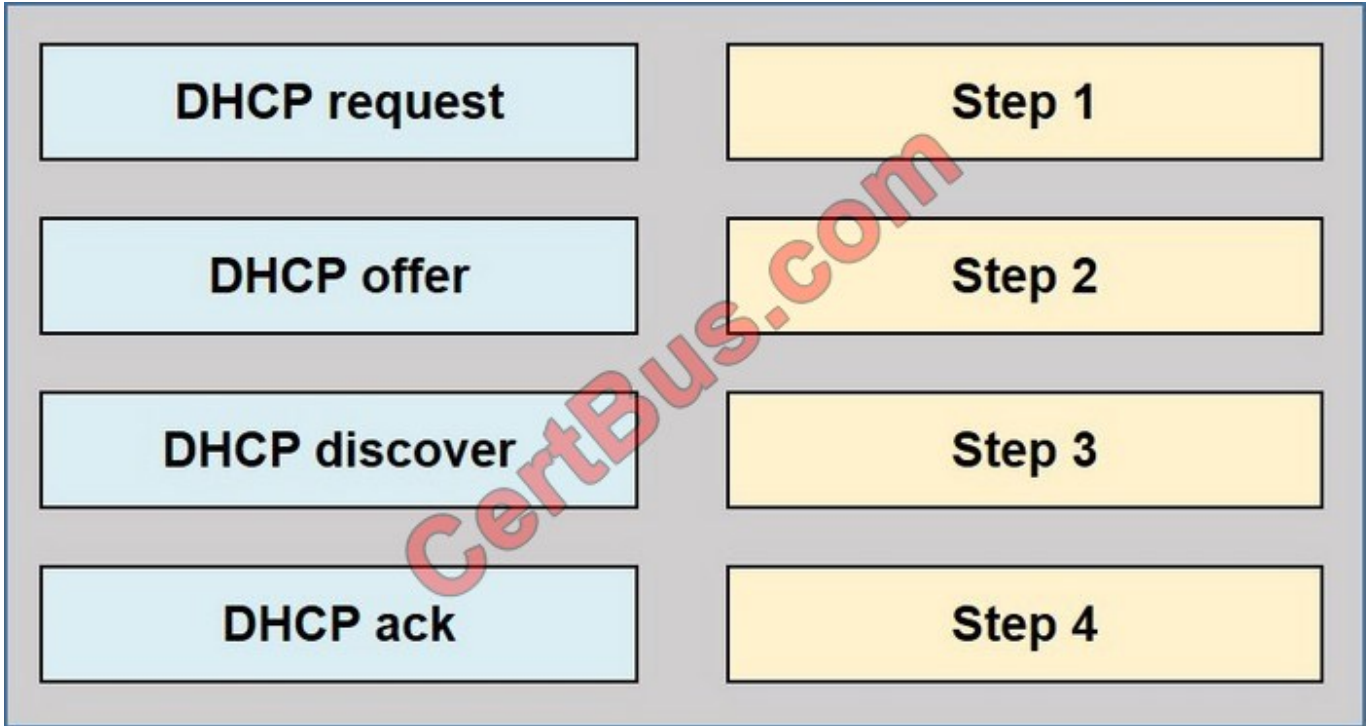
FIB is used for forwarding,

QUESTION 7

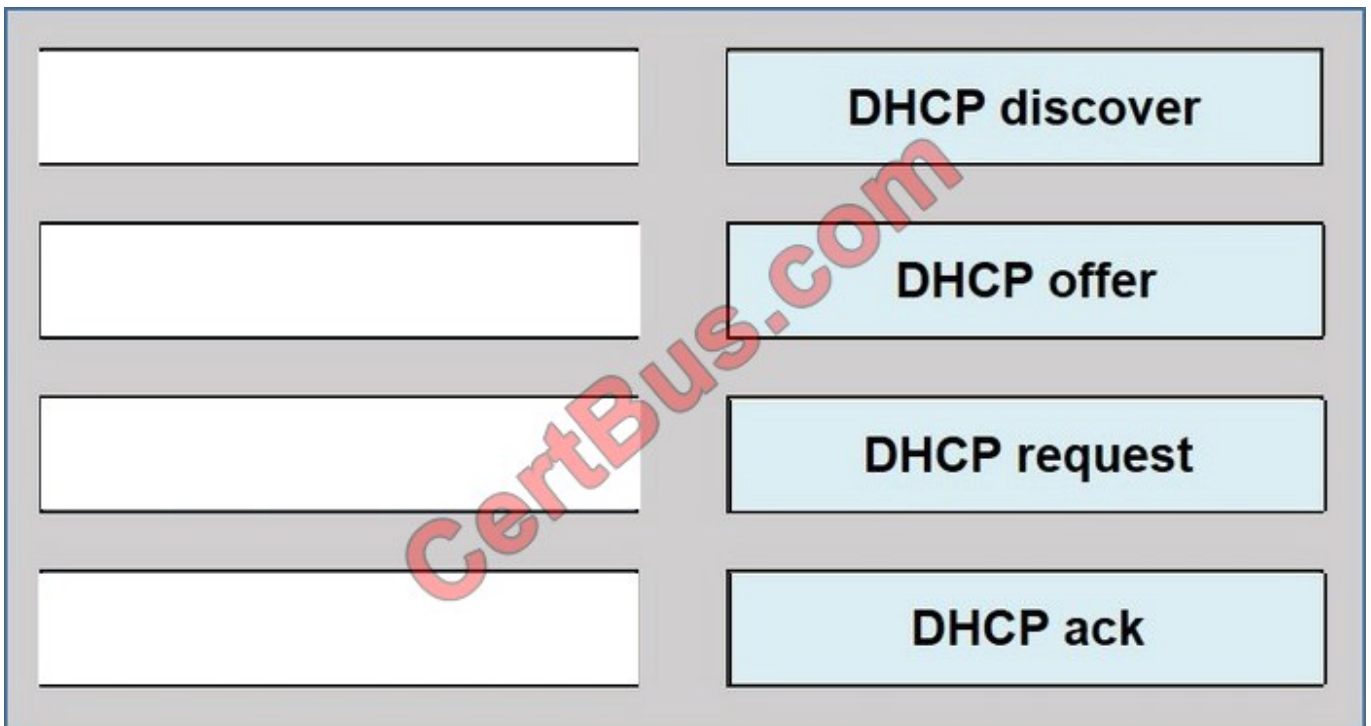
DRAG DROP

Drag and drop the DHCP messages that are exchanged between a client and an AP into the order they are exchanged on the right.

Select and Place:



Correct Answer:



There are four messages sent between the DHCP Client and DHCP Server: DHCPDISCOVER, DHCPOFFER, DHCPREQUEST and DHCPACKNOWLEDGEMENT. This process is often abbreviated as DORA (for Discover, Offer, Request, Acknowledgement).

QUESTION 8

When a wireless client roams between two different wireless controllers, a network connectivity outage is experienced for a period of time. Which configuration issue would cause this problem?

- A. Not all of the controllers in the mobility group are using the same mobility group name.
- B. Not all of the controllers within the mobility group are using the same virtual interface IP address.
- C. All of the controllers within the mobility group are using the same virtual interface IP address.
- D. All of the controllers in the mobility group are using the same mobility group name.

Correct Answer: B

A prerequisite for configuring Mobility Groups is "All controllers must be configured with the same virtual interface IP address". If all the controllers within a mobility group are not using the same virtual interface, inter-controller roaming may appear to work, but the handoff does not complete, and the client loses connectivity for a period of time. -> Answer B is correct. Reference:

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/configguide/b_cg85/mobility_groups.html

QUESTION 9

When a wired client connects to an edge switch in an SDA fabric, which component decides whether the client has access to the network?

- A. control-plane node
- B. Identity Service Engine
- C. RADIUS server
- D. edge node

Correct Answer: B

QUESTION 10

Which two parameters are examples of a QoS traffic descriptor? (Choose two)

- A. MPLS EXP bits
- B. bandwidth
- C. DSCP
- D. ToS
- E. packet size

Correct Answer: CD

<https://www.cisco.com/c/en/us/td/docs/iosxr/cisco8000/qos/70x/configuration/guide/b-qos->

cg-8k-70x/classify_packets_to_identify_specific_traffic.html

QoS traffic descriptor (that is, the classification of the packet) is related to packet marking. QoS Markings:

+

IP Precedence: The first three bits of the IP ToS field (8 traffic classes)

+

Differentiated Service Code Point (DSCP): The first six bits of the IP ToS are used to provide granular classification

QUESTION 11

How does Cisco Trustsec enable more access controls for dynamic networking environments and data centers?

- A. uses flexible NetFlow
- B. assigns a VLAN to the endpoint
- C. classifies traffic based on the contextual identity of the endpoint rather than its IP address
- D. classifies traffic based on advanced application recognition

Correct Answer: C

QUESTION 12

Refer to the exhibit.


```
CertBus-R1#sh run | begin line con
line con 0
  exec-timeout 0 0
  privilege level 15
  logging synchronous
  stopbits 1
line aux 0
  exec timeout 0 0
  privilege level 15
  logging synchronous
  stopbits 1
line vty 0 4
  password 7 045802150C2E
  login
line vty 5 15
  password 7 045802150C2E
  login
!
end

CertBus-R1#sh run | include aaa | enable
no aaa new-model
CertBus-R1#
```

Which privilege level is assigned to VTY users?

- A. 1
- B. 7
- C. 13

D. 15

Correct Answer: A

Lines (CON, AUX, VTY) default to level 1 privileges.

QUESTION 13

DRAG DROP

Drag and drop the characteristics from the left onto the infrastructure deployment models they describe on the right.

Select and Place:

On-Premises

- easy to scale the capacity up and down
- infrastructure requires large and regular investments
- highly agile
- highly customizable

Cloud

Correct Answer:

On-Premises

- infrastructure requires large and regular investments
- highly agile

Cloud

- easy to scale the capacity up and down
- highly customizable

QUESTION 14

When using TLS for syslog, which configuration allows for secure and reliable transportation of messages to its default port?

- A. logging host 10.2.3.4 vrf mgmt transport tcp port 6514
- B. logging host 10.2.3.4 vrf mgmt transport udp port 6514
- C. logging host 10.2.3.4 vrf mgmt transport tcp port 514
- D. logging host 10.2.3.4 vrf mgmt transport udp port 514

Correct Answer: A

The TCP port 6514 has been allocated as the default port for syslog over Transport Layer Security (TLS). Reference: <https://tools.ietf.org/html/rfc5425>

QUESTION 15

How are the different versions of IGMP compatible?

- A. IGMPv2 is compatible only with IGMPv1.
- B. IGMPv2 is compatible only with IGMPv2.
- C. IGMPv3 is compatible only with IGMPv3.
- D. IGMPv3 is compatible only with IGMPv1

Correct Answer: A

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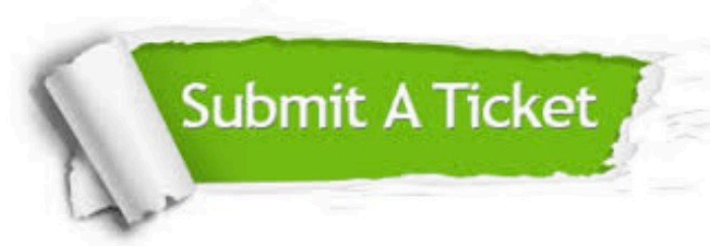
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