350-401 Dumps

Implementing and Operating Cisco Enterprise Network Core Technologies

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NEW QUESTION 1
Which function does a fabric edge node perform in an SD-Access deployment?

A. Connects the SD-Access fabric to another fabric or external Layer 3 networks
B. Connects endpoints to the fabric and forwards their traffic
C. Provides reachability border nodes in the fabric underlay
D. Encapsulates end-user data traffic into LISP.

Answer: A

NEW QUESTION 2
Which behavior can be expected when the HSRP versions is changed from 1 to 2?

A. Each HSRP group reinitializes because the virtual MAC address has changed.
B. No changes occur because version 1 and 2 use the same virtual MAC OUI.
C. Each HSRP group reinitializes because the multicast address has changed.
D. No changes occur because the standby router is upgraded before the active router.

Answer: C

NEW QUESTION 3
Refer to the exhibit.

```
Extended IP access list EGRESS
10 permit ip 10.0.0.0 0.0.0.255 any
!
<Output Omitted>
!
interface GigabitEthernet0/0
 ip address 209.165.200.225 255.255.255.0
 ip access-group EGRESS out
 duplex auto
 speed auto
 media-type rj45
!
```

An engineer must block all traffic from a router to its directly connected subnet 209.165.200.0/24. The engineer applies access control list EGRESS in the outbound direction on the GigabitEthernet0/0 interface of the router However, the router can still ping hosts on the 209.165.200.0/24 subnet. Which

A. Mastered
B. Not Mastered

Answer: A

Explanation:
of this behavior is true?
A. Access control lists that are applied outbound to a router interface do not affect traffic that is sourced from the router.
B. Only standard access control lists can block traffic from a source IP address.
C. After an access control list is applied to an interface, that interface must be shut and no shut for the access control list to take effect.
D. The access control list must contain an explicit deny to block traffic from the router.
Answer: A

NEW QUESTION 4
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

Answer: A

NEW QUESTION 5
A client device fails to see the enterprise SSID, but other devices are connected to it. What is the cause of this issue?

A. The hidden SSID was not manually configured on the client.
B. The broadcast SSID was not manually configured on the client.
C. The client has incorrect credentials stored for the configured hidden SSID.
D. The client has incorrect credentials stored for the configured broadcast SSID.

Answer: A

NEW QUESTION 6
Which two steps are required for a complete Cisco DNA Center upgrade? (Choose two.)

A. golden image selection
B. automation backup
C. proxy configuration

D. application updates
E. system update

Answer: DE

NEW QUESTION 7
Drag and drop the description from the left onto the correct QoS components on the right.

Descriptions		
causes TCP retransmissions when traffic is dropped		
buffers excessive traffic		
introduces no delay and jitter		
introduces delay and jitter		
drops excessive traffic		
typically delays, rather than drops traffic		

Traffic Policing

Traffic Shaping

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Traffic Policing: Drops excessive Traffic, causes TCP retransmissions, introduce no delay/jitter Shaping: buffers, excessive traffic, introduce delay and jitter, typically delays, rather than drops traffic


NEW QUESTION 8
Which protocol does REST API rely on to secure the communication channel?

A. TCP
B. HTTPS
C. SSH
D. HTTP

Answer: B

NEW QUESTION 9
Refer to the exhibit.

Antenna Azimuth Plane Pattern | Antenna Elevation Plane Pattern
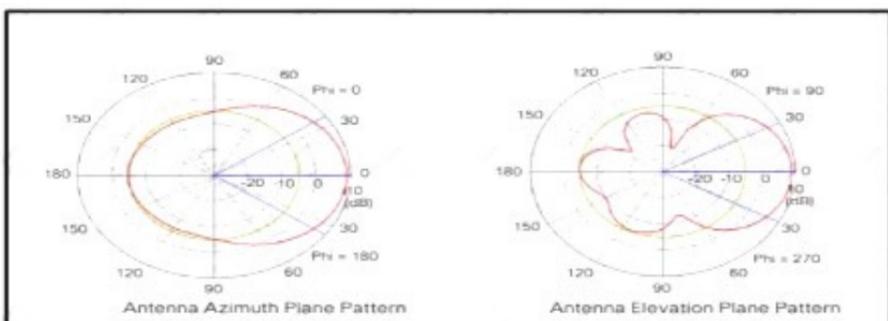
Which type of antenna do the radiation patterns present?

A. Patch
B. Omnidirectional
C. Yagi
D. Dipole

Answer: A

NEW QUESTION 10
Which statement about a fabric access point is true?

A. It is in local mode an must be connected directly to the fabric border node.
B. It is in FlexConnect mode and must be connected directly to the fabric border node.
C. It is in local mode an must connected directly to the fabric edge switch.
D. It is in FlexConnect mode and must be connected directly to the fabric edge switch.

Answer: C

NEW QUESTION 10
Drag and drop the characteristics from the left onto the correct infrastructure deployment types on the right.

customizable hardware, purpose-built systems
easy to scale and upgrade
more suitable for companies with specific regulatory or security requirements
resources can be over or underutilized as requirements vary
requires a strong and stable internet connection
built-in, automated data backups and recovery

On Premises

Cloud

A. Mastered
B. Not Mastered

Answer: A

Explanation:
On premise: customizable,specific requirements,resources Cloud: scale, built-in automated backup, strong stable internet

NEW QUESTION 12
Which OSPF networks types are compatible and allow communication through the two peering devices?

A. broadcast to nonbroadcast
B. point-to-multipoint to nonbroadcast
C. broadcast to point-to-point
D. point-to-multipoint to broadcast

Answer: B

NEW QUESTION 17
Which method does the enable secret password option use to encrypt device passwords?

A. AES
B. CHAP
C. PAP
D. MD5

Answer: D

NEW QUESTION 20
Refer to exhibit.
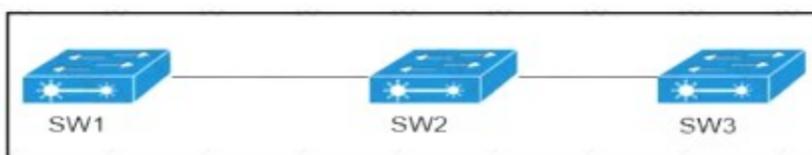
VLANs 50 and 60 exist on the trunk links between all switches All access ports on SW3 are configured for VLAN 50 and SW1 is the VTP server Which command ensures that SW3 receives frames only from VLAN 50?

A. SW1 (config)#vtp pruning
B. SW3(config)#vtp mode transparent
C. SW2(config)=vtp pruning
D. SW1 (config >»vtp mode transparent

Answer: A

NEW QUESTION 24
What is a benefit of deploying an on-premises infrastructure versus a cloud infrastructure deployment?

A. faster deployment times because additional infrastructure does not need to be purchased
B. lower latency between systems that are physically located near each other
C. less power and cooling resources needed to run infrastructure on-premises
D. ability to quickly increase compute power without the need to install additional hardware

Answer: B

NEW QUESTION 29
Which statement describes the IP and MAC allocation requirements for virtual machines on types 1 hypervisors?

A. Each virtual machine requires a unique IP and MAC addresses to be able to reach to other nodes.
B. Each virtual machine requires a unique IP address but shares the MAC address with the physical server
C. Each virtual machines requires a unique IP address but shares the MAC address with the address of the physical server.
D. Each virtual machine requires a unique MAC address but shares the IP address with the physical server.

Answer: A

NEW QUESTION 32
Which TCP setting is tuned to minimize the risk of fragmentation on a GRE/IP tunnel?

A. MTU
B. Window size
C. MRU
D. MSS

Answer: D

NEW QUESTION 35
Which standard access control entry permits from odd-numbered hosts in the 10.0.0.0/24 subnet?

A. Permit 10.0.0.0.0.0.1
B. Permit 10.0.0.1.0.0.0.0
C. Permit 10.0.0.1.0.0.0.254
D. Permit 10.0.0.0.255.255.255.254

Answer: C

NEW QUESTION 36
Which statement about VXLAN is true?

A. VXLAN uses TCP 35 the transport protocol over the physical data cento network
B. VXLAN extends the Layer 2 Segment ID field to 24-bit
C. which allows up to 4094 unique Layer 2 segments over the same network.
D. VXLAN encapsulates a Layer 2 frame in an IP-UDP header, which allows Layer 2 adjacency across router boundaries.
E. VXLAN uses the Spanning Tree Protocol for loop prevention.

Answer: C

NEW QUESTION 37
Which LISP infrastructure device provides connectivity between non-sites and LISP sites by receiving non-LISP traffic with a LISP site destination?

A. PETR
B. PITR
C. map resolver
D. map server

Answer: B

NEW QUESTION 38
Which First Hop Redundancy Protocol maximizes uplink utilization and minimizes the amount of configuration that is necessary?

A. GLBP
B. HSRP v2
C. VRRP
D. HSRP v1

Answer: A

NEW QUESTION 39
What do Cisco DNA southbound APIs provide?

A. Interface between the controller and the network devices
B. NETCONF API interface for orchestration communication
C. RESful API interface for orchestrator communication
D. Interface between the controller and the consumer

Answer: A

NEW QUESTION 44
Refer to the exhibit.

The WLC administrator sees that the controller to which a roaming client associates has Mobility Role Anchor configured under Clients > Detail. Which type of roaming is supported?

A. Indirect
B. Layer 3 intercontroller
C. Layer 2 intercontroller
D. Intracontroller

Answer: B

NEW QUESTION 47
A customer has several small branches and wants to deploy a WI-FI solution with local management using CAPWAP. Which deployment model meets this requirement?

A. Autonomous
B. Mobility Express
C. SD-Access wireless
D. Local mode

Answer: B

NEW QUESTION 52
Refer to this output. What is the logging severity level?
R1#Feb 14 37:15:12:429: %LINEPROTO-5-UPDOWN Line protocol on interface GigabitEthernet0/1. Change state to up

A. Notification
B. Alert
C. Critical
D. Emergency

Answer: A

NEW QUESTION 57
Refer to the exhibit.

Which statement about the OPSF debug output is true?

A. The output displays all OSPF messages which router R1 has sent to received on interface Fa0/1.
B. The output displays all OSPF messages which router R1 has sent or received on all interfaces.
C. The output displays OSPF hello messages which router R1 has sent received on interface Fa0/1.
D. The output displays OSPF hello and LSACK messages which router R1 has sent or received.

Answer: C

NEW QUESTION 61
Refer to the exhibit.
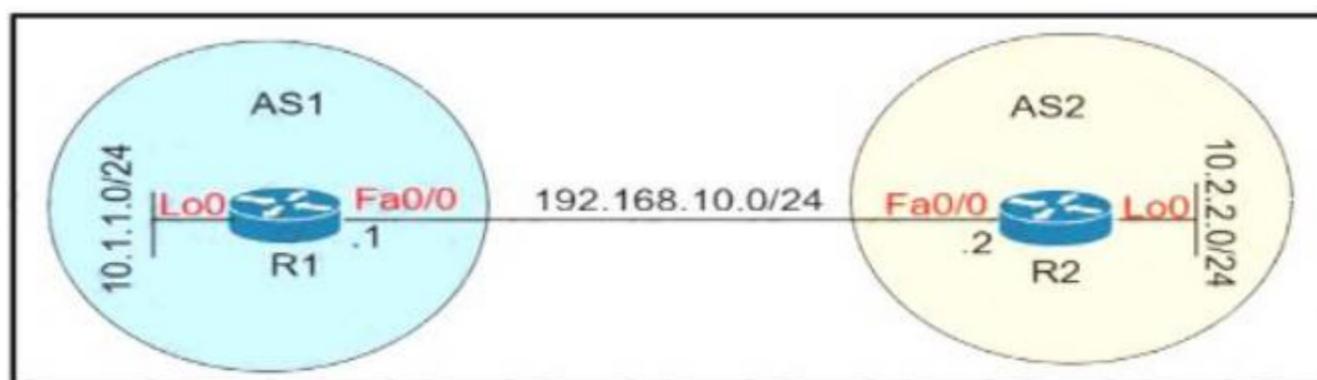
Which configuration establishes EBGP neighborship between these two directly connected neighbors and exchanges the loopback network of the two routers through BGP?

A)

```
R1(config)#router bgp 1
R1(config-router)#neighbor 192.168.10.2 remote-as 2
R1(config-router)#network 10.1.1.0 mask 255.255.255.0

R2(config)#router bgp 2
R2(config-router)#neighbor 192.168.10.1 remote-as 1
R2(config-router)#network 10.2.2.0 mask 255.255.255.0
```

B)

```
R1(config)#router bgp 1
R1(config-router)#neighbor 10.2.2.2 remote-as 2
R1(config-router)#network 10.1.1.0 mask 255.255.255.0

R2(config)#router bgp 2
R2(config-router)#neighbor 10.1.1.1 remote-as 1
R2(config-router)#network 10.2.2.0 mask 255.255.255.0
```

C)

```
R1(config)#router bgp 1
R1(config-router)#neighbor 192.168.10.2 remote-as 2
R1(config-router)#network 10.0.0.0 mask 255.0.0.0

R2(config)#router bgp 2
R2(config-router)#neighbor 192.168.10.1 remote-as 1
R2(config-router)#network 10.0.0.0 mask 255.0.0.0
```

D)

```
R1(config)#router bgp 1
R1(config-router)#neighbor 10.2.2.2 remote-as 2
R1(config-router)#neighbor 10.2.2.2 update-source lo0
R1(config-router)#network 10.1.1.0 mask 255.255.255.0

R2(config)#router bgp 2
R2(config-router)#neighbor 10.1.1.1 remote-as 1
R2(config-router)#neighbor 10.1.1.1 update-source lo0
R2(config-router)#network 10.2.2.0 mask 255.255.255.0
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 66
Refer to the exhibit.

An engineer must modify the access control list EGRESS to allow all IP traffic from subnet 10.1.10.0/24 to 10.1.2.0/24. The access control list is applied in the outbound direction on router interface GigabitEthemet 0/1. Which configuration commands can the engineer use to allow this traffic without disrupting existing traffic flows?
A)

```
config t
    ip access-list extended EGRESS
    permit ip 10.1.10.0 255.255.255.0 10.1.2.0 255.255.255.0
```

B)
```
config t
    ip access-list extended EGRESS
    5 permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
```

C)
```
config t
    ip access-list extended EGRESS2
    permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
    permit ip 10.1.100.0 0.0.0.255 10.1.2.0 0.0.0.255
    deny ip any any
    !
    interface g0/1
    no ip access-group EGRESS out
    ip access-group EGRESS2 out
```

D)
```
config t
    ip access-list extended EGRESS
    permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 70
Which method displays text directly into the active console with a synchronous EEM applet policy?

A. event manager applet boom event syslog pattern 'UP'action 1.0 gets 'logging directly to console'
B. event manager applet boom event syslog pattern 'UP'action 1.0 syslog priority direct msg 'log directly to console'
C. event manager applet boom event syslog pattern 'UP'action 1.0 puts 'logging directly to console'
D. event manager applet boom event syslog pattern 'UP'action 1.0 string 'logging directly to console'

Answer: B

NEW QUESTION 74
Drag and drop the characteristics from the left onto the correct routing protocol types on the right.

	OSPF
supports unequal path load balancing	
link state routing protocol	
distance vector routing protocol	
	EIGRP
metric is based on delay and reliability by default	
makes it easy to segment the network logically	
constructs three tables as part of its operation: neighbor table, topology table, and routing table	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
OSPF: SEGMENT, LINK STATE, TABLES
EIGRP: UNEQUAL PATH, DISTANCE VECTOR, METRIC

NEW QUESTION 79
What is the correct EBGP path attribute list, ordered from most preferred to the least preferred, that the BGP best-path algorithm uses?

A. weigh
B. AS path, local preferenc
C. MED
D. weight, local preference AS path, MED
E. local preference weight AS path, MED
F. local preference, weight MED, AS path

Answer: B

NEW QUESTION 83
Refer to the exhibit.

```
SwitchC#show vtp status
VTP Version                          : 2
Configuration Revision               : 0
Maximum VLANs supported locally      : 255
Number of existing VLANs             : 8
VTP Operating Mode                   : Transparent
VTP Domain Name                      : cisco.com
VTP Pruning Mode                     : Disabled
VTP V2 Mode                          : Disabled
VTP Traps Generation                 : Disabled
MD5 digest                           : 0xE5 0x28 0x5D 0x3E 0x2F 0xE5 0xAD 0x2B
Configuration last modified by 0.0.0.0 at 1-10-19 09:01:38

SwitchC#show vlan brief

VLAN Name                             Status    Ports
---- -------------------------------- --------- -------------------------------
1    default                          active    Fa0/3, Fa0/4, Fa0/5, Fa0/6
                                                Fa0/7, Fa0/8, Fa0/9, Fa0/10
                                                Fa0/11, Fa0/12, Fa0/13, Fa0/14
                                                Fa0/15, Fa0/16, Fa0/17, Fa0/18
                                                Fa0/19, Fa0/20, Fa0/21, Fa0/22
                                                Fa0/23, Fa0/24, Po1

110  Finance                          active
210  HR                               active    Fa0/1
310  Sales                            active    Fa0/2
[...output omitted...]

SwitchC#show int trunk
Port       Mode        Encapsulation   Status      Native vlan
Gig1/1     on          802.1q          trunking    1
Gig1/2     on          802.1q          trunking    1

Port       Vlans allowed on trunk
Gig1/1     1-1005
Gig1/2     1-1005

Port       Vlans allowed and active in management domain
Gig1/1     1,110,210,310
Gig1/2     1,110,210,310

Port       Vlans in spanning tree forwarding state and not pruned
Gig1/1     1,110,210,310
Gig1/2     1,110,210,310

SwitchC#show run interface port-channel 1
interface Port-channel 1
 description Uplink_to_Core
 switchport mode trunk
```

SwitchC connects HR and Sales to the Core switch However, business needs require that no traffic from the Finance VLAN traverse this switch Which command meets this requirement?

A)

SwitchC(config)#vtp pruning

B)

SwitchC(config)#vtp pruning vlan 110

C)

SwitchC(config)#interface port-channel 1
SwitchC(config-if)#switchport trunk allowed vlan add 210,310

D)

```
SwitchC(config)#interface port-channel 1
SwitchC(config-if)#switchport trunk allowed vlan remove 110
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 87
Refer to the exhibit.
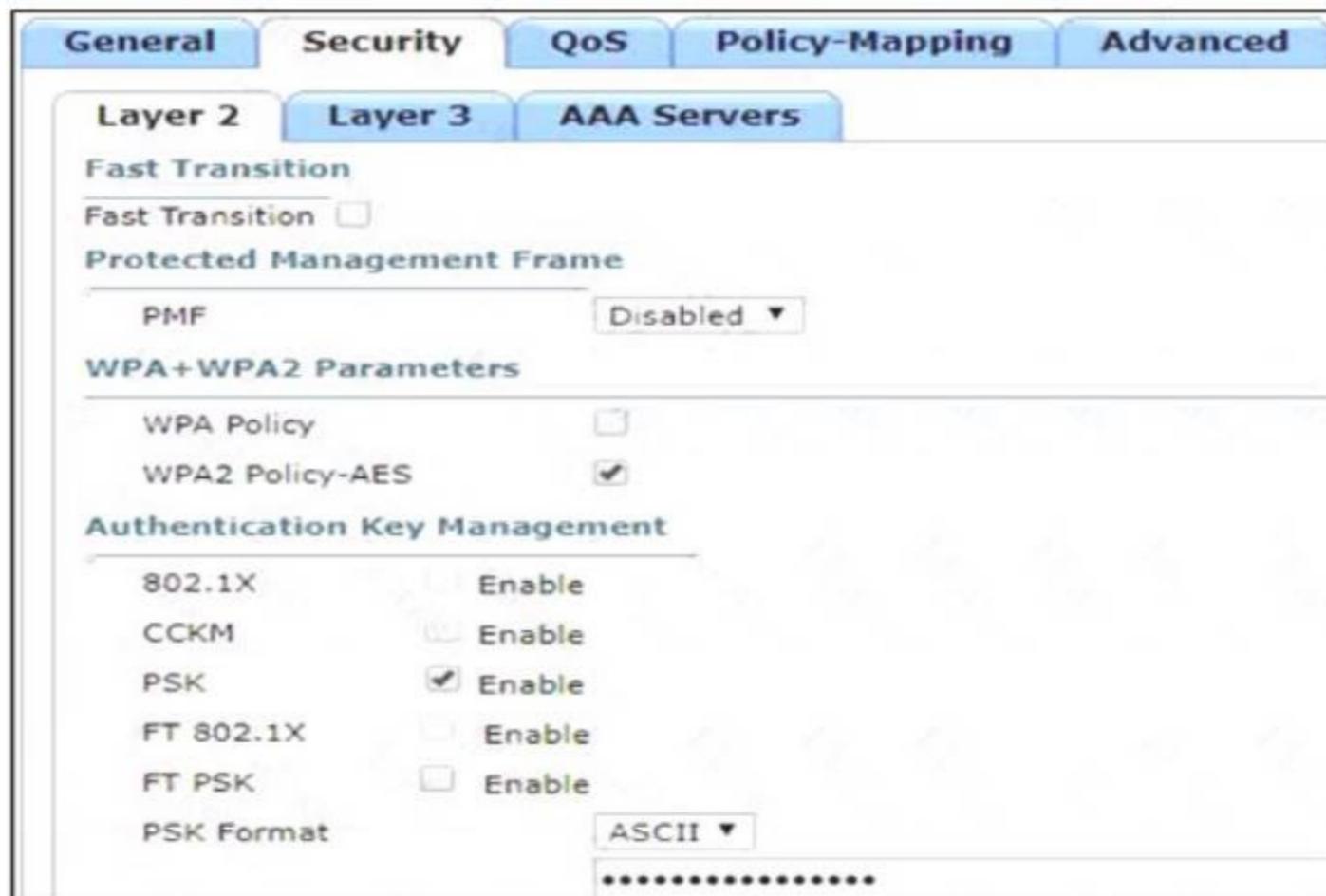
Based on the configuration in this WLAN security setting, Which method can a client use to authenticate to the network?

A. text string
B. username and password
C. certificate
D. RADIUS token

Answer: A

NEW QUESTION 91
Which feature is supported by EIGRP but is not supported by OSPF?

A. route summarization
B. equal-cost load balancing
C. unequal-cost load balancing
D. route filtering

Answer: C

NEW QUESTION 95
Refer to the exhibit.
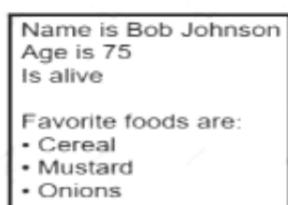
What is the JSON syntax that is formed the data?

A. Name: Bob, Johson, Age: 75, Alive: true, Favourite Food
B. [Cereal, ''Mustard'', ''Onions}}
C. Name'', ''Bob'' Johson'', ''Age'', 75, ''Alive'', true, ''favourite Foods'', [''Cereal, ''Mustard'', Onions'']}}
D. Name', 'Bob Johson,' 'Age', 75, 'Alive', true, 'favourite Foods' 'Cereal', 'Mustard', 'Onions'}

E. Name". "Bob Johson", "Age": Seventyfive, "Alive" true, "favourite Foods" ,[Cereal" "Mustard" "Onions"}}

Answer: C

NEW QUESTION 98
An engineer configures a WLAN with fast transition enabled Some legacy clients fail to connect to this WLAN Which feature allows the legacy clients to connect while still allowing other clients to use fast transition based on then OLTIs?

A. over the DS
B. adaptive R
C. 802.11V
D. 802.11k

Answer: B

NEW QUESTION 103
What is the difference between a RIB and a FIB?

A. The RIB is used to make IP source prefix-based switching decisions
B. The FIB is where all IP routing information is stored
C. The RIB maintains a mirror image of the FIB
D. The FIB is populated based on RIB content

Answer: D

NEW QUESTION 104
Which LISP device is responsible for publishing EID-to-RLOC mappings for a site?

A. ETR
B. MS
C. ITR
D. MR

Answer: A

NEW QUESTION 109
Refer to the exhibit.

Which HTTP JSON response does the python code output give?

A. NameError: name 'json' is not defined
B. KeyError 'kickstart_ver_str'
C. 7.61
D. 7.0(3)I7(4)

Answer: B

NEW QUESTION 113
Which two operations are valid for RESTCONF? (Choose two.)

A. HEAD
B. REMOVE
C. PULL
D. PATCH
E. ADD
F. PUSH

Answer: AD

NEW QUESTION 115
What does this EEM applet event accomplish?
"event snmp oid 1.3.6.1.3.7.1.5.1.2.4.2.9 get-type next entry-op g entry-val 75 poll-interval 5"

A. It issues email when the value is greater than 75% for five polling cycles.
B. It reads an SNMP variable, and when the value exceeds 75% for live polling cycles.
C. It presents a SNMP variable that can be interrogated.
D. Upon the value reaching 75%, a SNMP event is generated and sent to the trap server.

Answer: B

NEW QUESTION 119
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