

## 350-401 Dumps

# Implementing and Operating Cisco Enterprise Network Core Technologies

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### NEW QUESTION 1

A network administrator is implementing a routing configuration change and enables routing debugs to track routing behavior during the change. The logging output on the terminal is interrupting the command typing process. Which two actions can the network administrator take to minimize the possibility of typing commands incorrectly? (Choose two.)

- A. Configure the logging synchronous global configuration command
- B. Configure the logging delimiter feature
- C. Configure the logging synchronous command under the vty
- D. Press the TAB key to reprint the command in a new line
- E. increase the number of lines on the screen using the terminal length command

**Answer:** CD

### NEW QUESTION 2

What is the structure of a JSON web token?

- A. three parts separated by dots: header payload, and signature
- B. header and payload
- C. three parts separated by dots: version header and signature
- D. payload and signature

**Answer:** A

### 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

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

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

- 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 5**

When configuration WPA2 Enterprise on a WLAN, which additional security component configuration is required?

- A. NTP server
- B. PKI server
- C. RADIUS server
- D. TACACS server

**Answer:** C

**NEW QUESTION 6**

Which statement about agent-based versus agentless configuration management tools is true?

- A. Agentless tools require no messaging systems between master and slaves.
- B. Agentless tools use proxy nodes to interface with slave nodes.
- C. Agent-based tools do not require a high-level language interpreter such as Python or Ruby on slave nodes.
- D. Agent-based tools do not require installation of additional software packages on the slave nodes.

**Answer:** D

**NEW QUESTION 7**

If a VRRP master router fails, which router is selected as the new master router?

- A. router with the highest priority
- B. router with the highest loopback address
- C. router with the lowest loopback address
- D. router with the lowest priority

**Answer:** A

**NEW QUESTION 8**

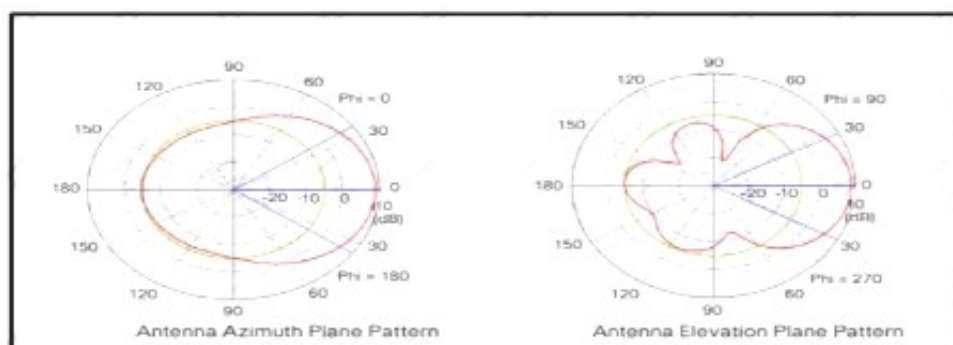
Which PAgP mode combination prevents an Etherchannel from forming?

- A. auto/auto
- B. desirable/desirable
- C. auto/desirable
- D. desirable

**Answer:** A

**NEW QUESTION 9**

Refer to the exhibit.



#### NEW QUESTION 10

Which statement explains why Type 1 hypervisor is considered more efficient than Type 2 hypervisor?

- A. Type 1 hypervisor runs directly on the physical hardware of the host machine without relying on the underlying OS.
- B. Type 1 hypervisor enables other operating systems to run on it.
- C. Type 1 hypervisor relies on the existing OS of the host machine to access CPU, memory, storage, and network resources.
- D. Type 1 hypervisor is the only type of hypervisor that supports hardware acceleration techniques.

**Answer:** A

#### NEW QUESTION 14

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

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

- 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 16

IS OSPF, which LSA type is responsible for pointing to the ASBR router?

- A. type 1
- B. type 2
- C. type 3
- D. type 4

**Answer:** D

#### NEW QUESTION 21

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 23

Which access controls list allows only TCP traffic with a destination port range of 22-433, excluding port 80?

- A. Deny tcp any any eq 80 Permit tcp any any gt 21 lt 444
- B. Permit tcp any any ne 80
- C. Permit tcp any any range 22 443 Deny tcp any any eq 80
- D. Deny tcp any any ne 80 Permit tcp any any range 22 443

**Answer:** A

#### NEW QUESTION 25

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 28

Which exhibit displays a valid JSON file?



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

**Answer:** D

#### NEW QUESTION 31

What is a benefit of data modeling languages like YANG?

- A. They enable programmers to change or write their own application within the device operating system.
- B. They create more secure and efficient SNMP OIDs.
- C. They make the CLI simpler and more efficient.
- D. They provide a standardized data structure, which results in configuration scalability and consistency.

**Answer:** D

#### NEW QUESTION 34

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

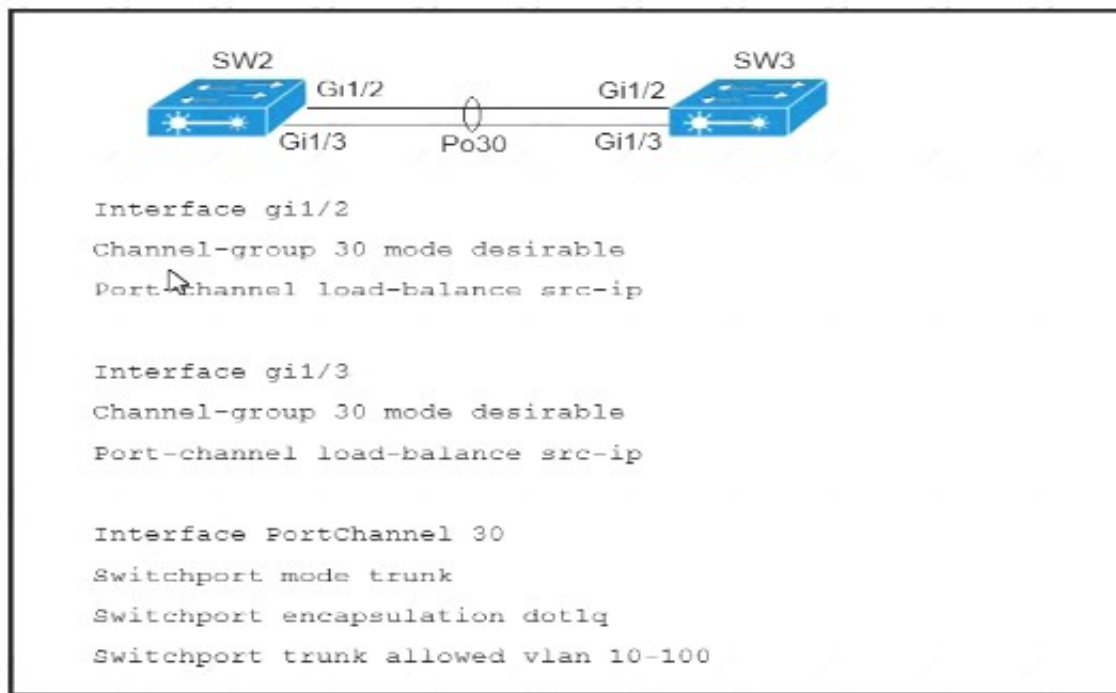
- A. MTU
- B. Window size
- C. MRU
- D. MSS

**Answer:** D

#### NEW QUESTION 39

Refer to the exhibit.





A port channel is configured between SW2 and SW3. SW2 is not running a Cisco operating system. When all physical connections are made, the port channel does not establish. Based on the configuration excerpt of SW3, what is the cause of the problem?

- A. The port channel on SW2 is using an incompatible protocol.
- B. The port-channel trunk is not allowing the native VLAN.
- C. The port-channel should be set to auto.
- D. The port-channel interface load balance should be set to src-mac

**Answer:** A

#### NEW QUESTION 40

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
- C. Permit 10.0.0.1.0.0.0.254
- D. Permit 10.0.0.0.255.255.255.254

**Answer:** C

#### NEW QUESTION 42

A local router shows an EBGp neighbor in the Active state. Which statement is true about the local router?

- A. The local router has active prefix in the forwarding table from the neighboring router
- B. The local router has BGP passive mode configured for the neighboring router
- C. The local router is attempting to open a TCP session with the neighboring router.
- D. The local router is receiving prefixes from the neighboring router and adding them in RIB-IN

**Answer:** C

#### NEW QUESTION 45

Refer to the exhibit.



Link1 is a copper connection and Link2 is a fiber connection. The fiber port must be the primary port for all forwarding. The output of the show spanning-tree command on SW2 shows that the fiber port is blocked by spanning tree. An engineer enters the spanning-tree port-priority 32 command on G0/1 on SW2, but the port remains blocked. Which command should be entered on the ports that are connected to Link2 to resolve the issue?

- A. Enter spanning-tree port-priority 32 on SW1.
- B. Enter spanning-tree port-priority 224 on SW1.
- C. Enter spanning-tree port-priority 4 on SW2.
- D. Enter spanning-tree port-priority 64 on SW2.

**Answer:** A

#### NEW QUESTION 48

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 52

Which QoS component alters a packet to change the way that traffic is treated in the network?

- A. Marking
- B. Classification
- C. Shaping
- D. Policing

**Answer:** A

#### NEW QUESTION 53

How does Cisco Trustsec enable more flexible 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

**Answer:** C

#### NEW QUESTION 54

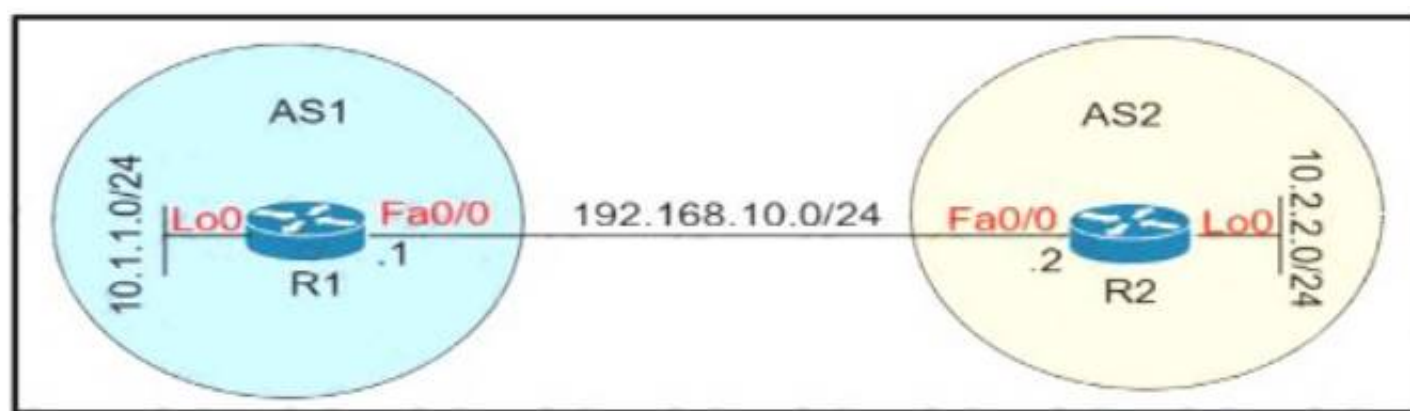
Which description of an SD-Access wireless network infrastructure deployment is true?

- A. The access point is part of the fabric underlay.
- B. The WLC is part of the fabric underlay.
- C. The access point is part the fabric overlay.
- D. The wireless client is part of the fabric overlay.

**Answer:** C

#### NEW QUESTION 56

Refer to the exhibit.



Which configuration establishes EBGP neighborhood 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 59

Which JSON syntax is valid?



- ☐ {"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}
- ☐ {"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}
- ☐ {"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}
- ☐ {/"switch/": {/"name/": "dist1", /"interfaces/": ["gig1", "gig2", "gig3"]}}

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

**Answer:** B

#### NEW QUESTION 64

Which two protocols are used with YANG data models? (Choose two.)

- A. HTTPS  
B. SSH  
C. RESTCONF  
D. TLS  
E. NETCONF

**Answer:** CE

#### NEW QUESTION 69

Which statement about TLS is true when using RESTCONF to write configurations on network devices?

- A. It is provided using NGINX acting as a proxy web server.  
B. It is not supported on Cisco devices.  
C. It requires certificates for authentication.  
D. It is used for HTTP and HTTPS requests.

**Answer:** C

#### NEW QUESTION 72

Refer to the exhibit.

```
Extended IP access list EGRESS
10 permit ip 10.1.100.0 0.0.0.255 10.1.2.0 0.0.0.255
20 deny ip any any
```

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 GigabitEthernet 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 76

To increase total throughput and redundancy on the links between the wireless controller and switch, the customer enabled LAG on the wireless controller Which EtherChannel mode must be configured on the switch to allow the WLC to connect?

- A. Auto
- B. Active
- C. On
- D. Passive

**Answer:** C

#### 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 80

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
MDS 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 84

Refer to the exhibit.

The screenshot shows the WLAN security configuration interface. The 'General' tab is active. Under the 'Layer 2' section, 'Fast Transition' is disabled. Under the 'Protected Management Frame' section, 'PMF' is set to 'Disabled'. Under the 'WPA+WPA2 Parameters' section, 'WPA Policy' is disabled and 'WPA2 Policy-AES' is enabled. Under the 'Authentication Key Management' section, '802.1X', 'CCKM', 'FT 802.1X', and 'FT PSK' are all disabled, while 'PSK' is enabled. The 'PSK Format' is set to 'ASCII'.

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 88

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 92

Which controller is the single plane of management for Cisco SD-WAN?

- A. vBond
- B. vEdge
- C. vSmart
- D. vManage

**Answer:** D

#### NEW QUESTION 95

Refer to the exhibit.

```
{
  "Name": "Bob Johnson",
  "Age": 75,
  "Is alive": true,
  "Favorite foods": [
    "Cereal",
    "Mustard",
    "Onions"
  ]
}
```

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 96**

In which part of the HTTP message is the content type specified?

- A. HTTP method
- B. URI
- C. header
- D. body

**Answer: D**

**NEW QUESTION 101**

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 their OLTIs?

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

**Answer: B**

**NEW QUESTION 105**

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 108**

Refer to the exhibit.

PYTHON CODE	HTTP JSON Response
<pre>import requests import json  url="http://YOURIP:8080" switchuser="USERID" switchpassword="PASSWORD"  myheaders={'content-type': 'application/json'} payload={     "ins_api": {         "version": "1.0",         "type": "cli_show",         "chunk": "0",         "sid": "1",         "input": "show version",         "output_format": "json"     } } response = requests.post(url,data=json.dumps(payload), headers=myheaders,auth=(switchuser,switchpassword)) print(response["ins_api"]["outputs"]["output"]["body"]["kickstart_ver_str"])</pre>	<pre>{   "ins_api": {     "type": "cli_show",     "version": "1.0",     "sid": "eoc",     "outputs": {       "output": {         "input": "show version",         "msg": "Success",         "code": "200",         "body": {           "bios_ver_str": "07.61",           "kickstart_ver_str": "7.0(3)I7(4)",           "bios_cmpl_time": "04/06/2017",           "kick_file_name": "bootflash://nxos.7.0.3.i7.4.bin",           "kick_cmpl_time": "6/14/1970 2:00:00",           "kick_tmstamp": "06/14/1970 09:49:04",           "chassis_id": "Nexus9000 93180YC-FX chassis",           "cpu_name": "Intel(R) Xeon(R) CPU @ 1.80GHz",           "memory": "24633488",           "mem_type": "kB",           "n_uscs": "134703",           "n_ctime": "Sun Mar 10 15:41:46 2019",           "n_reason": "Reset Requested by CLI command reload",           "n_sys_ver": "7.0(3)I7(4)",           "n_service": "",           "manufacturer": "Cisco Systems, Inc.",           "TABLE_package_list": {             "ROW_package_list": {               "package_id": []             }           }         }       }     }   } }</pre>

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 feature does Cisco TrustSec use to provide scalable, secure communication throughout a network?

- A. security group tag ACL assigned to each port on a switch
- B. security group tag number assigned to each port on a network
- C. security group tag number assigned to each user on a switch
- D. security group tag ACL assigned to each router on a network

**Answer: B**

**NEW QUESTION 116**

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 120**

A client with IP address 209.165.201.25 must access a web server on port 80 at 209.165.200.225. To allow this traffic, an engineer must add a statement to an access control list that is applied in the inbound direction on the port connecting to the web server. Which statement allows this traffic?

- A. permit tcp host 209.165.200.225 eq 80 host 209.165.201.25
- B. permit tcp host 209.165.201.25 host 209.165.200.225 eq 80
- C. permit tcp host 209.165.200.225 lt 80 host 209.165.201.25
- D. permit tcp host 209.165.200.225 host 209.165.201.25 eq 80

**Answer:** B

**NEW QUESTION 122**

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