

Cisco

Exam Questions 350-401

Implementing and Operating Cisco Enterprise Network Core Technologies



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

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 3

Refer to the exhibit.

```

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

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

Which privilege level is assigned to VTY users?

- A. 1
- B. 7
- C. 13
- D. 15

Answer: D

NEW QUESTION 4

An engineer is configuring local web authentication on a WLAN. The engineer chooses the Authentication radio button under the Layer 3 Security options for Web Policy. Which device presents the web authentication for the WLAN?

- A. ISE server
- B. local WLC
- C. RADIUS server
- D. anchor WLC

Answer: B

NEW QUESTION 5

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 6

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 7

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 8

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

causes TCP retransmissions when traffic is dropped	<div style="border: 2px solid yellow; padding: 5px; margin-bottom: 5px;">Traffic Policing</div> <div style="border: 1px solid gray; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid gray; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid gray; height: 20px;"></div>
buffers excessive traffic	
introduces no delay and jitter	
introduces delay and jitter	
drops excessive traffic	
typically delays, rather than drops traffic	
	<div style="border: 2px solid yellow; padding: 5px; margin-bottom: 5px;">Traffic Shaping</div> <div style="border: 1px solid gray; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid gray; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid gray; height: 20px;"></div>

- 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 9

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

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

Answer: B

NEW QUESTION 10

Which HTTP status code is the correct response for a request with an incorrect password applied to a REST API session?

- A. HTTP Status Code 200
- B. HTTP Status Code 302
- C. HTTP Status Code 401
- D. HTTP Status Code: 504

Answer: C

NEW QUESTION 10

Which statement about multicast RPs is true?

- A. RPs are required only when using protocol independent multicast dense mode.
- B. RPs are required for protocol independent multicast sparse mode and dense mode.

- C. By default, the RP is needed periodically to maintain sessions with sources and receivers
- D. By default, the RP is needed only to start new sessions with sources and receivers.

Answer: D

NEW QUESTION 15

Which two mechanisms are available to secure NTP? (Choose two.)

- A. IP prefix list-based
- B. IPsec
- C. TACACS-based authentication
- D. IP access list-based
- E. Encrypted authentication

Answer: DE

NEW QUESTION 17

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 20

Which method creates an EEM applet policy that is registered with EEM and runs on demand or manually?

- A. event manager applet ondemand event registeraction 1.0 syslog priority critical msg 'This is a message from ondemand'
- B. event manager applet ondemand event manualaction 1.0 syslog priority critical msg 'This is a message from ondemand'
- C. event manager applet ondemand event noneaction 1.0 syslog priority critical msg 'This is a message from ondemand'
- D. event manager applet ondemandaction 1.0 syslog priority critical msg 'This is a message from ondemand'

Answer: C

NEW QUESTION 25

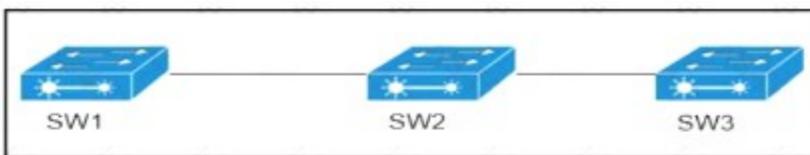
Which method does the enable secret password option use to encrypt device passwords?

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

Answer: D

NEW QUESTION 30

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 31

A response code of 404 is received while using the REST API on Cisco UNA Center to POST to this URI.
 /dna/intent/api/v1 /template-programmer/project
 What does the code mean?

- A. The client made a request a resource that does not exist.
- B. The server has not implemented the functionality that is needed to fulfill the request.
- C. The request accepted for processing, but the processing was not completed.
- D. The POST/PUT request was fulfilled and a new resource was created, Information about the resource is in the response body.

Answer: A

NEW QUESTION 36

What the role of a fusion in an SD-Access solution?

- A. provides connectivity to external networks
- B. acts as a DNS server
- C. performs route leaking between user-defined virtual networks and shared services
- D. provides additional forwarding capacity to the fabric

Answer: C

NEW QUESTION 41

Which exhibit displays a valid JSON file?

Four JSON snippets are shown in separate boxes, each with a radio button to its left:

- ```
{
 "hostname": "edge_router_1"
 "interfaces": {
 "GigabitEthernet1/1"
 "GigabitEthernet1/2"
 "GigabitEthernet1/3"
 }
}
```
- ```
{
  "hostname": "edge_router_1",
  "interfaces": {
    "GigabitEthernet1/1",
    "GigabitEthernet1/2",
    "GigabitEthernet1/3",
  },
}
```
- ```
{
 "hostname": "edge_router_1"
 "interfaces": {
 "GigabitEthernet1/1"
 "GigabitEthernet1/2"
 "GigabitEthernet1/3"
 }
}
```
- ```
{
  "hostname": "edge_router_1",
  "interfaces": {
    "GigabitEthernet1/1",
    "GigabitEthernet1/2",
    "GigabitEthernet1/3"
  }
}
```

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

Answer: D

NEW QUESTION 42

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 45

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 50

At which Layer does Cisco DNA Center support REST controls?

- A. EEM applets or scripts
- B. Session layer
- C. YMAL output from responses to API calls
- D. Northbound APIs

Answer: D

NEW QUESTION 53

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 57

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 60

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 63

Which technology provides a secure communication channel for all traffic at Layer 2 of the OSI model?

- A. MACsec
- B. IPsec
- C. SSL
- D. Cisco Trustsec

Answer: A

NEW QUESTION 64

Which action is the vSmart controller responsible for in an SD-WAN deployment?

- A. onboard vEdge nodes into the SD-WAN fabric
- B. distribute security information for tunnel establishment between vEdge routers
- C. manage, maintain, and gather configuration and status for nodes within the SD-WAN fabric
- D. gather telemetry data from vEdge routers

Answer: B

NEW QUESTION 66

What is the difference between the enable password and the enable secret password when service password encryption is enable on an IOS device?

- A. The enable password is encrypted with a stronger encryption method.

- B. There is no difference and both passwords are encrypted identically.
- C. The enable password cannot be decrypted.
- D. The enable secret password is protected via stronger cryptography mechanisms.

Answer: D

NEW QUESTION 68

Refer to the exhibit.

```
R1#debug ip ospf hello
R1#debug condition interface Fa0/1
Condition 1 Set
```

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 69

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 an the contextual identity of the endpoint rather than its IP address
- D. classifies traffic based on advanced application recognition

Answer: C

NEW QUESTION 73

Which two methods are used by an AP that is trying to discover a wireless LAN controller? (Choose two.)

- A. Cisco Discovery Protocol neighbour
- B. broadcasting on the local subnet
- C. DNS lookup cisco-DNA-PRIMARY.localdomain
- D. DHCP Option 43
- E. querying other APs

Answer: CD

NEW QUESTION 77

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 80

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

supports unequal path load balancing	OSPF
link state routing protocol	
distance vector routing protocol	
metric is based on delay and reliability by default	EIGRP
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 85

What is the correct EGP 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 89

Which two descriptions of FlexConnect mode for Cisco APs are true? (Choose two.)

- A. APs that operate in FlexConnect mode cannot detect rogue Aps.
- B. FlexConnect mode is used when the APs are set up in a mesh environment and used to bridge between each other.
- C. FlexConnect mode is a feature that is designed to allow specified CAPWAP-enabled APs to exclude themselves from managing data traffic between clients and infrastructure.
- D. When connected to the controller, FlexConnect APs can tunnel traffic back to the controller.
- E. FlexConnect mode is a wireless solution for branch office and remote office deployments.

Answer: CD

NEW QUESTION 92

Which NGFW mode block flows crossing the firewall?

- A. Passive
- B. Tap
- C. Inline tap
- D. Inline

Answer: C

NEW QUESTION 94

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 96

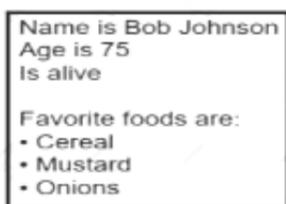
Which controller is the single plane of management for Cisco SD-WAN?

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

Answer: D

NEW QUESTION 101

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 106

When reason could cause an OSPF neighborship to be in the EXSTART/EXCHANGE state?

- A. Mismatched OSPF network type
- B. Mismatched areas
- C. Mismatched MTU size
- D. Mismatched OSPF link costs

Answer: C

NEW QUESTION 107

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.

```
R1#show ip bgp
BGP table version is 32, local router ID is 192.168.101.5
Status codes: S suppressed, d damped, h history, * valid, > best, i - internal,
               r RIB-failure, S Stale, m multipath, b backup-path, f RT-Filter,
               x best-external, a additional-path, c RIB-compressed,
Origin codes: i - IGP, e - EGP, ? - incomplete
RPKI validation codes: V valid, I invalid, N Not found

   Network        Next Hop         Metric  LocPrf  Weight  Path
*   192.168.102.0  192.168.101.18   80
*                   192.168.101.14   80      80
*                   192.168.101.10   0      64515 64515 i
*>                  192.168.101.2    32768  64513 i
*                   192.168.101.6    80      0      64514 64514 i
```

Which IP address becomes the active next hop for 192.168.102 0/24 when 192.168.101.2 fails?

- A. A.-192.168.101.18
- B. B.192.168.101.6
- C. C.192.168.101.10
- D. D.192.168.101.14

Answer: A

NEW QUESTION 112

What are two common sources of interference for WI-FI networks? (Choose two.)

- A. radar
- B. LED lights
- C. rogue AP
- D. conventional oven
- E. fire alarm

Answer: AC

NEW QUESTION 114

A client with IP address 209 16b 201 2b must access a web server on port 80 at 209 16b.200.22b. 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 116

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