

Exam Questions 350-401

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

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 4

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 5

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:

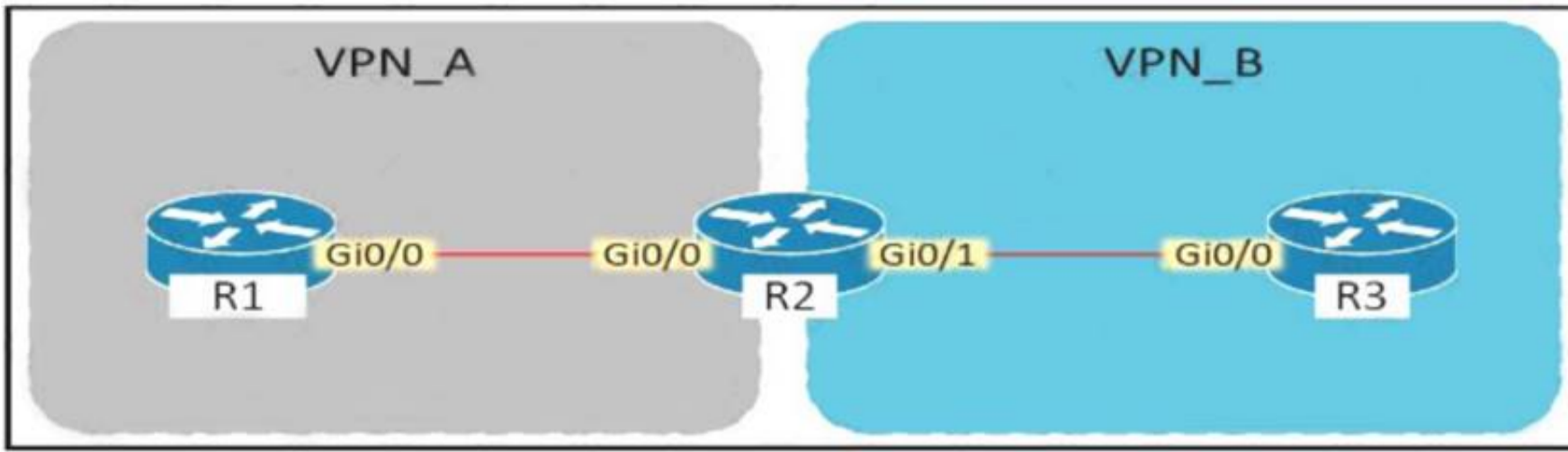
of this behavior is true?

- 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 6

Refer to the exhibit.



Assuming that R is a CE router, which VRF is assigned to Gi0/0 on R1?

- A. VRF VPN_B
- B. Default VRF
- C. Management VRF
- D. VRF VPN_A

Answer: D

NEW QUESTION 7

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 8

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 9

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 10

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

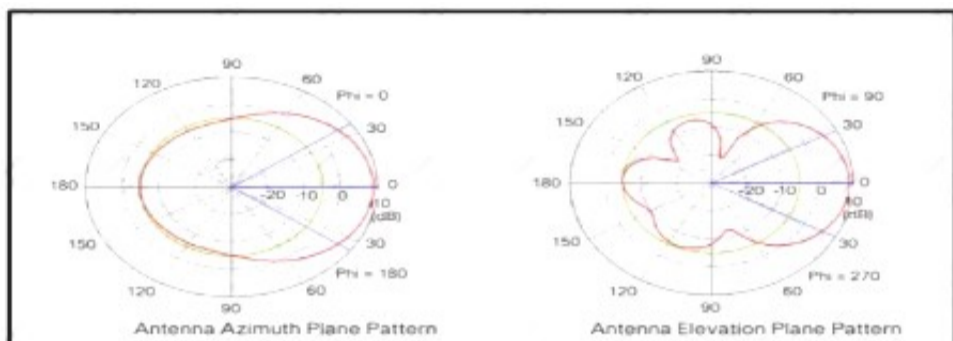
Which PAgP mode combination prevents an Etherchannel from forming?

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

Answer: A

NEW QUESTION 15

Refer to the exhibit.



Which type of antenna do the radiation patterns present?

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

Answer: A

NEW QUESTION 18

Which statement about Cisco Express Forwarding is true?

- A. It uses a fast cache that is maintained in a router data plane.
- B. maintains two tables in the data plane the FIB and adjacency table.
- C. It makes forwarding decisions by a process that is scheduled through the IOS scheduler.
- D. The CPU of a router becomes directly involved with packet-switching decisions.

Answer: B

NEW QUESTION 21

The login method is configured on the VTY lines of a router with these parameters.

- > The first method for authentication is TACACS
 - > If TACACS is unavailable, login is allowed without any provided credentials
- Which configuration accomplishes this task?

- R1#sh run | include aaa
 aaa new-model
 aaa authentication login VTY group tacacs+ none
 aaa session-id common

 R1#sh run | section vty
 line vty 0 4
 password 7 02050D480809

 R1#sh run | include username
 R1#
- R1#sh run | include aaa
 aaa new-model
 aaa authentication login default group tacacs+
 aaa session-id common

 R1#sh run | section vty
 line vty 0 4
 transport input none
 R1#
- R1#sh run | include aaa
 aaa new-model
 aaa authentication login default group tacacs+ none
 aaa session-id common

 R1#sh run | section vty
 line vty 0 4
 password 7 02050D480809

```
R1#sh run | include aaa
aaa new-model
aaa authentication login telnet group tacacs+ none
aaa session-id common

R1#sh run | section vty
line vty 0 4

R1#sh run | include username
R1#
```

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

Answer: C

NEW QUESTION 25

Which IP SLA operation requires the IP SLA responder to be configured on the remote end?

- A. ICMP echo
- B. UDP jitter
- C. CMP jitter
- D. TCP connect

Answer: D

NEW QUESTION 30

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 35

Which statement about a fabric access point is true?

- A. It is in local mode and 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 and must be 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 38

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 43

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 47

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 50

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 54

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 55

Which DNS lookup does an access point perform when attempting CAPWAP discovery?

- A. CISCO-DNA-CONTROLLER local
- B. CAPWAP-CONTROLLER local
- C. CISCO-CONTROLLER local
- D. CISCO-CAPWAP-CONTROLLER local

Answer: D

NEW QUESTION 58

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 60

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 61

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 62

Which statements are used for error handling in Python?

- A. try/catch
- B. try/except
- C. block/rescue
- D. catch/release

Answer: B

NEW QUESTION 67

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 71

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 76

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 81

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 84

Which feature must be configured to allow packet capture over Layer 3 infrastructure'?

- A. VSPAN
- B. IPSPAN
- C. RSPAN
- D. ERSPAN

Answer: D

NEW QUESTION 88

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 89

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 92

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 97

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

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

Answer: CE

NEW QUESTION 99

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 no supported on Cisco devices.
- C. It required certificates for authentication.
- D. It is used for HTTP and HTTPs requests.

Answer: C

NEW QUESTION 102

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 105

Refer to the exhibit.

```
access-list 1 permit 10.1.1.0 0.0.0.31
ip nat pool CISCO 209.165.201.1 209.165.201.30 netmask 255.255.255.224
ip nat inside source list 1 pool CISCO
```

What are two effect of this configuration? (Choose two.)

- A. Inside source addresses are translated to the 209.165.201.0/27 subnet.
- B. It establishes a one-to-one NAT translation.
- C. The 10.1.1.0/27 subnet is assigned as the inside global address range.
- D. The 209.165.201.0/27 subnet is assigned as the outside local address range.
- E. The 10.1.1.0/27 subnet is assigned as the inside local addresses.

Answer: AE

NEW QUESTION 110

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 114

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

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

Answer: D

NEW QUESTION 117

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 119

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 OLTs?

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

Answer: B

NEW QUESTION 123

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 127

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 128

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