

## 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**

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 3**

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 4**

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 5**

On which protocol or technology is the fabric data plane based in Cisco SD-Access fabric?

- A. LISP
- B. IS-IS
- C. Cisco TrustSec
- D. VXLAN

**Answer:** D

**NEW QUESTION 6**

Which PAgP mode combination prevents an Etherchannel from forming?

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

Answer: A

**NEW QUESTION 7**

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 8**

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 9**

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 10**

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 10**

IS OSPF, which LAS 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 15**

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 19**

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**

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 25**

Which exhibit displays a valid JSON file?

- ```
{
  "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 30**

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 35**

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 39**

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 40**

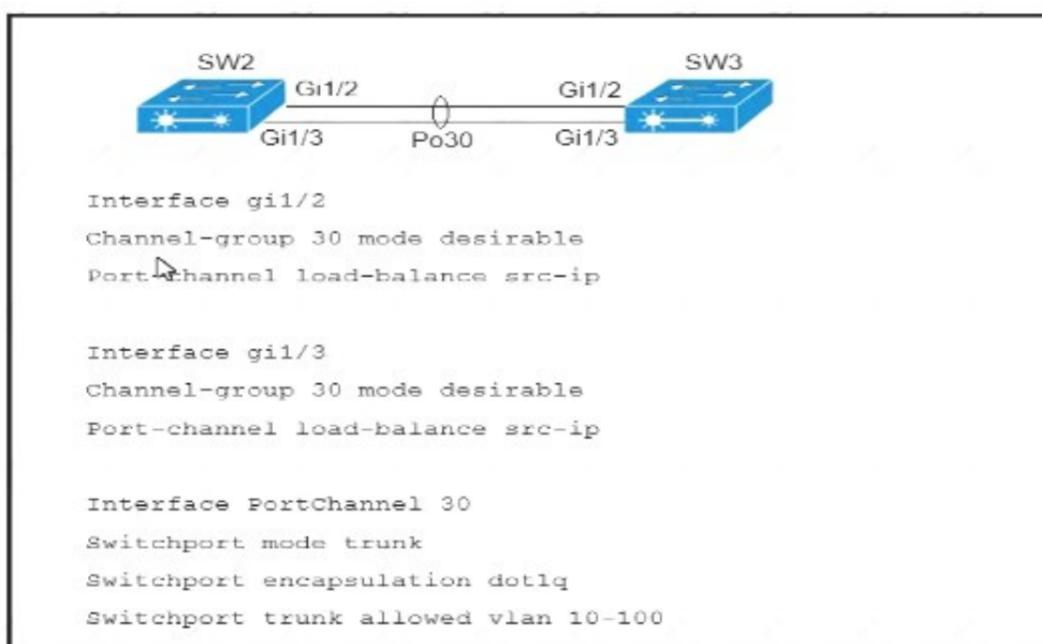
Which TCP setting is tuned to minimize the risk of fragmentation on a GRE/IP tunnel?

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

**Answer: D**

**NEW QUESTION 44**

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 48**

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 53**

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 54**

Which statement about an RSPAN session configuration is true?

- A. A filter must be configured for RSPAN Regions
- B. Only one session can be configured at a time
- C. A special VLAN type must be used as the RSPAN destination.
- D. Only incoming traffic can be monitored

Answer: C

**NEW QUESTION 58**

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 62**

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 66**

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 67**

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 72

Based on this interface configuration, what is the expected state of OSPF adjacency?

```
R1:
interface GigabitEthernet0/1
 ip address 192.0.2.1 255.255.255.252
 ip ospf 1 area 0
 ip ospf hello-interval 2
 ip ospf cost 1
end
```

```
R2:
interface GigabitEthernet0/1
 ip address 192.0.2.2 255.255.255.252
 ip ospf 1 area 0
 ip ospf cost 300
end
```

- A. Full on both routers
- B. not established
- C. 2WAY/DROTHER on both routers
- D. FULL/BDR on R1 and FULL/BDR on R2

**Answer:** B

#### NEW QUESTION 77

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 81

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 86

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

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 91

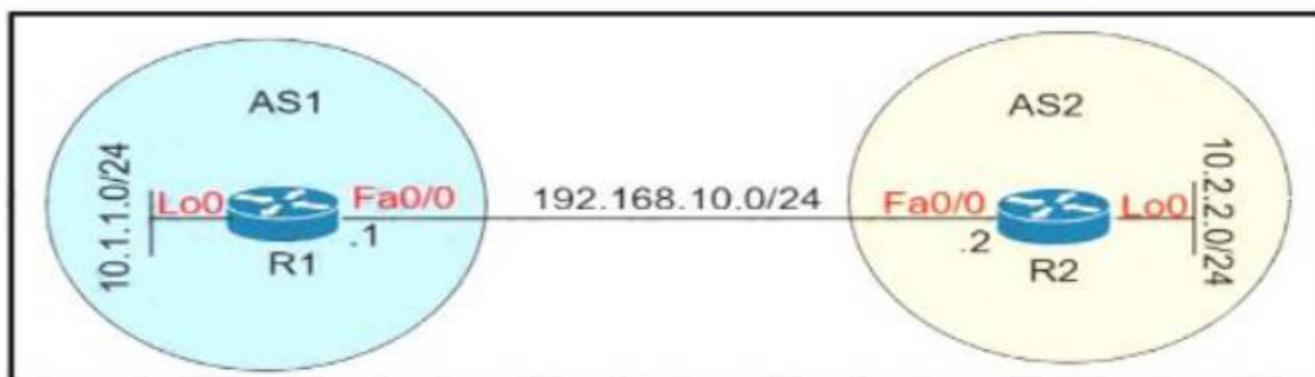
Which description of an SD-Access wireless network infrastructure deployment is true?

- 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 92**

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 97

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 101

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 104

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

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

**Answer:** D

#### NEW QUESTION 105

Which requirement for an Ansible-managed node is true?

- A. It must be a Linux server or a Cisco device.
- B. It must have an SSH server running.
- C. It must support ad hoc commands.
- D. It must have an Ansible Tower installed.

**Answer:** A

#### NEW QUESTION 109

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 112

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 117

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 122

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 125**

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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