

350-401 Dumps

Implementing and Operating Cisco Enterprise Network Core Technologies

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NEW QUESTION 1

What is one fact about Cisco SD-Access wireless network deployments?

- 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 2

Drag and drop the threat defense solutions from the left onto their descriptions on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 3

What are two benefits of YANG? (Choose two.)

- A. It enables multiple leaf statements to exist within a leaf list
- B. It collects statistical constraint analysis information.
- C. It enforces configuration constraints.
- D. It enforces configuration semantics.
- E. It enforces the use of a specific encoding format for NETCONF

Answer: BE

NEW QUESTION 4

Refer to the exhibit.

The connecting between SW1 and SW2 is not operational. Which two actions resolve the issue? (Choose two)

- A. configure switchport mode access on SW2
- B. configure switchport nonegotiate on SW2
- C. configure switchport mode trunk on SW2
- D. configure switchport nonegotiate on SW1
- E. configure switchport mode dynamic desirable on SW2

Answer: CE

NEW QUESTION 5

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

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

Answer: B

NEW QUESTION 6

Which measurement is used from a post wireless survey to depict the cell edge of the access points?

- A. SNR
- B. Noise
- C. RSSI
- D. CCI

Answer: A

NEW QUESTION 7

What are two benefits of virtual switching when compared to hardware switching? (Choose two.)

- A. increased MTU size
- B. hardware independence
- C. VM-level isolation
- D. increased flexibility
- E. extended 802.1Q VLAN range

Answer: CD

NEW QUESTION 8

Which benefit is offered by a cloud infrastructure deployment but is lacking in an on-premises deployment?

- A. efficient scalability
- B. virtualization
- C. storage capacity
- D. supported systems

Answer: A

NEW QUESTION 9

Refer to the exhibit.

An engineer implemented several configuration changes and receives the logging message on switch1. Which action should the engineer take to resolve this issue?

- A. Change the VTP domain to match on both switches
- B. Change Switch2 to switch port mode dynamic auto
- C. Change Switch1 to switch port mode dynamic auto
- D. Change Switch1 to switch port mode dynamic desirable

Answer: A

NEW QUESTION 10

An engineer must provide wireless converge in a square office. The engineer has only one AP and believes that it should be placed it in the middle of the room. Which antenna type should the engineer use?

- A. directional
- B. polarized
- C. Yagi
- D. omnidirectional

Answer: D

NEW QUESTION 10

A network administrator has designed a network with two multilayer switches on the distribution layer, which act as default gateways for the end hosts. Which two technologies allow every end host in a VLAN to use both gateways? (Choose two)

- A. GLBP
- B. HSRP
- C. MHSRP
- D. VSS
- E. VRRP

Answer: CE

NEW QUESTION 12

What is YANG used for?

- A. scraping data via CLI
- B. processing SNMP read-only polls
- C. describing data models
- D. providing a transport for network configuration data between client and server

Answer: C

NEW QUESTION 15

Refer to the exhibit.

An engineer configures CoPP and enters the show command to verify the implementation. What is the result of the configuration?

- A. All traffic will be policed based on access-list 120.
- B. If traffic exceeds the specified rate, it will be transmitted and remarked.
- C. Class-default traffic will be dropped.
- D. ICMP will be denied based on this configuration.

Answer: A

NEW QUESTION 20

AN engineer is implementing MPLS OAM to monitor traffic within the MPLS domain. Which action must the engineer perform to prevent from being forwarded beyond the service provider domain when the LSP is down?

- A. Disable IP redirects only on outbound interfaces
- B. Implement the destination address for the LSP echo request packet in the 127.x.y.z/8 network
- C. Disable IP redirects on all ingress interfaces
- D. Configure a private IP address as the destination address of the headend router of Cisco MPLS TE.

Answer: C

NEW QUESTION 23

What is the difference between CEF and process switching?

- A. CEF processes packets that are too complex for process switching to manage.
- B. CEF is more CPU-intensive than process switching.
- C. CEF uses the FIB and the adjacency table to make forwarding decisions, whereas process switching punts each packet.
- D. Process switching is faster than CEF.

Answer: C

NEW QUESTION 28

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

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

Answer: B

Explanation:

The REST API accepts and returns HTTP (not enabled by default) or HTTPS messages that contain JavaScript Object Notation (JSON) or Extensible Markup Language (XML) documents. You can use any programming language to generate the messages and the JSON or XML documents that contain the API methods or Managed Object (MO) descriptions.

NEW QUESTION 32

What are two considerations when using SSO as a network redundancy feature? (Choose two)

- A. both supervisors must be configured separately
- B. the multicast state is preserved during switchover
- C. must be combined with NSF to support uninterrupted Layer 2 operations
- D. must be combined with NSF to support uninterrupted Layer 3 operations
- E. requires synchronization between supervisors in order to guarantee continuous connectivity

Answer: DE

Explanation:

Text Description automatically generated

Cisco IOS Nonstop Forwarding(NSF) always runs with stateful switchover (SSO) and provides redundancy for Layer 3 traffic.

NEW QUESTION 35

Which AP mode allows an engineer to scan configured channels for rogue access points?

- A. sniffer
- B. monitor
- C. bridge
- D. local

Answer: B

NEW QUESTION 39

When a wireless client roams between two different wireless controllers, a network connectivity outage is experienced for a period of time. Which configuration issue would cause this problem?

- A. Not all of the controllers in the mobility group are using the same mobility group name.
- B. Not all of the controllers within the mobility group are using the same virtual interface IP address.
- C. All of the controllers within the mobility group are using the same virtual interface IP address.
- D. All of the controllers in the mobility group are using the same mobility group name.

Answer: B

NEW QUESTION 42

What does the cisco REST response indicate?

- A. Cisco DNA Center has the Incorrect credentials for cat3850-1
- B. Cisco DNA Center is unable to communicate with cat9000-1
- C. Cisco DNA Center has the incorrect credentials for cat9000-1
- D. Cisco DNA Center has the Incorrect credentials for RouterASR-1

Answer: C

NEW QUESTION 46

What is a characteristic of a next-generation firewall?

- A. only required at the network perimeter
- B. required in each layer of the network
- C. filters traffic using Layer 3 and Layer 4 information only
- D. provides intrusion prevention

Answer: D

NEW QUESTION 51

Drag and drop the snippets onto the blanks within the code to construct a script that configures BGP according to the topology. Not all options are used, and some options may be used twice.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 52

Refer to the exhibit.

Which action completes the configuration to achieve a dynamic continuous mapped NAT for all users?

- A. Configure a match-host type NAT pool
- B. Reconfigure the pool to use the 192.168 1 0 address range
- C. Increase the NAT pool size to support 254 usable addresses
- D. Configure a one-to-one type NAT pool

Answer: C

NEW QUESTION 56

Which three elements determine Air Time efficiency? (Choose three)

- A. evert-driven RRM
- B. data rate (modulation density) or QAM
- C. channel bandwidth
- D. number of spatial streams and spatial reuse
- E. RF group leader
- F. dynamic channel assignment

Answer: ACE

NEW QUESTION 59

Drag and drop the characteristics from the left onto the routing protocols they describe on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 61

Drag and drop the virtual components from the left onto their deceptions on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 63

Refer to the exhibit.

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 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 64

Refer to the exhibit.

Rapid PVST+ is enabled on all switches. Which command set must be configured on switch1 to achieve the following results on port fa0/1?

- A)
- B)
- C)
- D)

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

Answer: D

NEW QUESTION 65

Refer to the exhibit.

An engineer attempts to create a configuration to allow the Blue VRF to leak into the global routing table, but the configuration does not function as expected. Which action resolves this issue?

- A. Change the access-list destination mask to a wildcard.
- B. Change the source network that is specified in access-list 101.
- C. Change the route-map configuration to VRF_BLUE.
- D. Change the access-list number in the route map

Answer: A

NEW QUESTION 68

Refer to the exhibit.

An engineer is installing a new pair of routers in a redundant configuration. Which protocol ensures that traffic is not disrupted in the event of a hardware failure?

- A. HSRPv1
- B. GLBP
- C. VRRP
- D. HSRPv2

Answer: A

Explanation:

The virtual MAC address is 0000.0c07.acXX (XX is the hexadecimal group number) so it is using HSRPv1. Note: HSRP Version 2 uses a new MAC address which ranges from 0000.0c9f.f000 to 0000.0c9f.ffff.

NEW QUESTION 71

An engineer must configure HSRP group 300 on a Cisco IOS router. When the router is functional, it must be the active HSRP router. The peer router has been configured using the default priority value. Which command set is required?

- A)
- B)

C)

D)

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

Answer: B

NEW QUESTION 72

An engineer runs the code against an API of Cisco DMA Center, and the platform returns this output What does the response indicate?

- A. The authentication credentials are incorrect
- B. The URI string is incorrect.
- C. The Cisco DNA Center API port is incorrect
- D. The HTTP method is incorrect

Answer: A

NEW QUESTION 74

Refer to the exhibit.

Which command when applied to the Atlanta router reduces type 3 LSA flooding into the backbone area and summarizes the inter-area routes on the Dallas router?

- A. Atlanta(config-route)#area 0 range 192.168.0.0 255.255.248.0
- B. Atlanta(config-route)#area 0 range 192.168.0.0 255.255.252.0
- C. Atlanta(config-route)#area 1 range 192.168.0.0 255.255.252.0
- D. Atlanta(config-route)#area 1 range 192.168.0.0 255.255.248.0

Answer: C

NEW QUESTION 79

Drag and drop the characteristics from the left onto the routing protocols they describe on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 81

Which congestion queuing method on Cisco IOS based routers uses four static queues?

- A. Priority
- B. custom
- C. weighted fair
- D. low latency

Answer: A

NEW QUESTION 82

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?

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

Answer: B

NEW QUESTION 87

Which JSON syntax is valid?

A)

B)

C)

D)

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

Answer: C

Explanation:

This JSON can be written as follows:

```
{  
'switch': { 'name': 'dist1',  
'interfaces': ['gig1', 'gig2', 'gig3']  
}  
}
```

NEW QUESTION 90

Refer to the exhibit.

A network engineer must configure a password expiry mechanism on the gateway router for all local passwords to expire after 60 days. What is required to complete this task?

- A. The password expiry mechanism is on the AAA server and must be configured there.
- B. Add the aaa authentication enable default Administrators command.
- C. Add the username admin privilege 15 common-criteria*policy Administrators password 0 Cisco13579! command.
- D. No further action is required
- E. The configuration is complete.

Answer: A

NEW QUESTION 92

Refer to the exhibit.

An engineer attempts to configure a trunk between switch sw1 and switch SW2 using DTP, but the trunk does not form. Which command should the engineer apply to switch SW2 to resolve this issue?

- A. switchport mode dynamic desirable
- B. switchport nonegotiate
- C. no switchport
- D. switchport mode access

Answer: A

NEW QUESTION 97

Refer to the exhibit.

A network engineer must simplify the IPsec configuration by enabling IPsec over GRE using IPsec profiles. Which two configuration changes accomplish this? (Choose two).

- A. Apply the crypto map to the tunnel interface and change the tunnel mode to tunnel mode ipsec ipv4.
- B. Create an IPsec profile, associate the transform-set
- C. and apply the profile to the tunnel interface.
- D. Remove the crypto map and modify the ACL to allow traffic between 10.10.0.0/24 to 10.20.0.0/24.
- E. Remove all configuration related to crypto map from R1 and R2 and eliminate the ACL [>]
- F. Create an IPsec profile, associate the transform-set AC
- G. and apply the profile to the tunnel interface

Answer: AD

NEW QUESTION 98

An engineer is working with the Cisco DNA Center API Drag and drop the methods from the left onto the actions that they are used for on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 102

A network engineer must configure a router to send logging messages to a syslog server based on these requirements:

- uses syslog IP address: 10.10.10.1
- uses a reliable protocol
- must not use any well-known TCP/UDP ports

Which configuration must be used?

- A. logging host 10.10.10.1 transport tcp port 1024
- B. logging origin-id 10.10.10.1
- C. logging host 10.10.10.1 transport udp port 1023
- D. logging host 10.10.10.1 transport udp port 1024

Answer: A

NEW QUESTION 107

What is the data policy in a Cisco SD-WAN deployment?

- A. list of ordered statements that define node configurations and authentication used within the SD-WAN overlay
- B. Set of statements that defines how data is forwarded based on IP packet information and specific VPNs
- C. detailed database mapping several kinds of addresses with their corresponding location
- D. group of services tested to guarantee devices and links liveliness within the SD-WAN overlay

Answer: B

NEW QUESTION 109

Which method should an engineer use to deal with a long-standing contention issue between any two VMs on the same host?

- A. Adjust the resource reservation limits
- B. Live migrate the VM to another host

- C. Reset the VM
- D. Reset the host

Answer: A

NEW QUESTION 113

Refer to the exhibit.

A network engineer troubleshoots an issue with the port channel between SW1 and SW2. which command resolves the issue?

- A)
- B)
- C)
- D)

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

Answer: B

NEW QUESTION 115

Refer to the exhibit.

PC-1 must access the web server on port 8080. To allow this traffic, which statement must be added to an access control list that is applied on SW2 port G0/0 in the inbound direction?

- A. permit host 172.16.0.2 host 192.168.0.5 eq 8080
- B. permit host 192.168.0.5 host 172.16.0.2 eq 8080

- C. permit host 192.168.0.5 eq 8080 host 172.16.0.2
- D. permit host 192.168.0.5 it 8080 host 172.16.0.2

Answer: C

Explanation:

The inbound direction of G0/0 of SW2 only filter traffic from Web Server to PC-1 so the source IP address and port is of the Web Server.

NEW QUESTION 116

Refer to the exhibit.

An engineer must ensure that all traffic leaving AS 200 will choose Link 2 as an entry point. Assuming that all BGP neighbor relationships have been formed and that the attributes have not been changed on any of the routers, which configuration accomplish task?

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

Answer: A

Explanation:

R3 advertises BGP updates to R1 with multiple AS 100 so R3 believes the path to reach AS 200 via R3 is farther than R2 so R3 will choose R2 to forward traffic to AS 200.

NEW QUESTION 119

What are two differences between the RIB and the FIB? (Choose two.)

- A. The FIB is derived from the data plane, and the RIB is derived from the FIB.
- B. The RIB is a database of routing prefixes, and the FIB is the Information used to choose the egress interface for each packet.
- C. FIB is a database of routing prefixes, and the RIB is the information used to choose the egress interface for each packet.
- D. The FIB is derived from the control plane, and the RIB is derived from the FIB.
- E. The RIB is derived from the control plane, and the FIB is derived from the RIB.

Answer: BE

NEW QUESTION 122

A network is being migrated from IPV4 to IPV6 using a dual-stack approach. Network management is already 100% IPV6 enabled. In a dual-stack network with two dual-stack NetFlow collections, how many flow exporters are needed per network device in the flexible NetFlow configuration?

- A. 1
- B. 2
- C. 4
- D. 8

Answer: B

NEW QUESTION 127

A customer has recently implemented a new wireless infrastructure using WLC-5520 at a site directly next to a large commercial airport. Users report that they intermittently lose WI-FI connectivity, and troubleshooting reveals it is due to frequent channel changes. Which two actions fix this issue? (Choose two)

- A. Remove UNII-2 and Extended UNII-2 channels from the 5 Ghz channel list
- B. Restore the DCA default settings because this automatically avoids channel interference.
- C. Configure channels on the UNIk2 and the Extended UNII-2 sub-bands of the 5 Ghz band only
- D. Enable DFS channels because they are immune to radar interference.
- E. Disable DFS channels to prevent interference with Doppler radar

Answer: AE

NEW QUESTION 130

Drag and drop the solutions that comprise Cisco Cyber Threat Defense from the left onto the objectives they accomplish on the right.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated with medium confidence

NEW QUESTION 131

Refer to the exhibit.

What is the effect of these commands on the BR and HQ tunnel interfaces?

- A. The tunnel line protocol goes down when the keepalive counter reaches 6
- B. The keepalives are sent every 5 seconds and 3 retries

- C. The keepalives are sent every 3 seconds and 5 retries
- D. The tunnel line protocol goes down when the keepalive counter reaches 5

Answer: B

NEW QUESTION 135

Wireless users report frequent disconnections from the wireless network. While troubleshooting a network engineer finds that after the user a disconnect, the connection re-establishes automatically without any input required. The engineer also notices these message logs .

Which action reduces the user impact?

- A. increase the AP heartbeat timeout
- B. increase BandSelect
- C. enable coverage hole detection
- D. increase the dynamic channel assignment interval

Answer: D

Explanation:

These message logs inform that the radio channel has been reset (and the AP must be down briefly). With dynamic channel assignment (DCA), the radios can frequently switch from one channel to another but it also makes disruption. The default DCA interval is 10 minutes, which is matched with the time of the message logs. By increasing the DCA interval, we can reduce the number of times our users are disconnected for changing radio channels.

NEW QUESTION 138

How cloud deployments differ from on-prem deployments?

- A. Cloud deployments require longer implementation times than on-premises deployments
- B. Cloud deployments are more customizable than on-premises deployments.
- C. Cloud deployments require less frequent upgrades than on-premises deployments.
- D. Cloud deployments have lower upfront costs than on-premises deployments.

Answer: B

NEW QUESTION 143

Refer to the exhibit.

A network engineer configures OSPF and reviews the router configuration. Which interface or interface or interface are able to establish OSPF adjacency?

- A. GigabitEthernet0/1 and GigabitEthernet0/1.40
- B. only GigabitEthernet0/1
- C. only GigabitEthernet0/0

D. Gigabit Ethernet0/0 and GigabitEthernet0/1

Answer: C

NEW QUESTION 148

What is a characteristic of a virtual machine?

- A. It must be aware of other virtual machines, in order to allocate physical resources for them
- B. It is deployable without a hypervisor to host it
- C. It must run the same operating system as its host
- D. It relies on hypervisors to allocate computing resources for it

Answer: D

NEW QUESTION 153

Refer to the exhibit.

What does the snippet of code achieve?

- A. It creates a temporary connection to a Cisco Nexus device and retrieves a token to be used for API calls.
- B. It opens a tunnel and encapsulates the login information, if the host key is correct.
- C. It opens an ncclient connection to a Cisco Nexus device and maintains it for the duration of the context.
- D. It creates an SSH connection using the SSH key that is stored, and the password is ignored.

Answer: C

Explanation:

ncclient is a Python library that facilitates client-side scripting and application development around the NETCONF protocol.

The above Python snippet uses the ncclient to connect and establish a NETCONF session to a Nexus device (which is also a NETCONF server).

NEW QUESTION 155

Which new enhancement was implemented in Wi-Fi 6?

- A. Wi-Fi Protected Access 3
- B. 4096 Quadrature Amplitude Modulation Mode
- C. Channel bonding
- D. Uplink and Downlink Orthogonal Frequency Division Multiple Access

Answer: B

NEW QUESTION 157

Refer to the exhibit.

Which type of antenna is show on the radiation patterns?

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

Answer: A

NEW QUESTION 160

Which protocol is used to encrypt control plane traffic between SD-WAN controllers and SD-WAN endpoints?

- A. DTLS
- B. IPsec
- C. PGP
- D. HTTPS

Answer: A

NEW QUESTION 165

Which measure is used by an NTP server to indicate its closeness to the authoritative time source?

- A. latency
- B. hop count
- C. time zone
- D. stratum

Answer: D

NEW QUESTION 168

Refer to the exhibit

Which single security feature is recommended to provide Network Access Control in the enterprise?

- A. MAB
- B. 802.1X
- C. WebAuth
- D. port security sticky MAC

Answer: B

NEW QUESTION 173

Which two threats does AMP4E have the ability to block? (Choose two.)

- A. DDoS
- B. ransomware
- C. Microsoft Word macro attack
- D. SQL injection
- E. email phishing

Answer: BE

NEW QUESTION 175

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