

# Cisco

## Exam Questions 350-401

Implementing and Operating Cisco Enterprise Network Core Technologies



#### NEW QUESTION 1

Which devices does Cisco DNA Center configure when deploying an IP-based access control policy?

- A. All devices integrating with ISE
- B. selected individual devices
- C. all devices in selected sites
- D. all wired devices

**Answer:** A

#### Explanation:

When you click Deploy, Cisco DNA Center requests the Cisco Identity Services Engine (Cisco ISE) to send notifications about the policy changes to the network devices.

#### NEW QUESTION 2

Which algorithms are used to secure REST API from brute attacks and minimize the impact?

- A. SHA-512 and SHA-384
- B. MD5 algorithm-128 and SHA-384
- C. SHA-1, SHA-256, and SHA-512
- D. PBKDF2, BCrypt, and SCrypt

**Answer:** D

#### Explanation:

One of the best practices to secure REST APIs is using password hash. Passwords must always be hashed to protect the system (or minimize the damage) even if it is compromised in some hacking attempts. There are many such hashing algorithms which can prove really effective for password security e.g. PBKDF2, bcrypt and scrypt algorithms.

Other ways to secure REST APIs are: Always use HTTPS, Never expose information on URLs (Usernames, passwords, session tokens, and API keys should not appear in the URL),

Adding Timestamp in Request, Using OAuth, Input Parameter Validation.

#### NEW QUESTION 3

Refer to the exhibit.

Which configuration change will force BR2 to reach 209 165 201 0/27 via BR1?

- A. Set the weight attribute to 65.535 on BR1 toward PE1.
- B. Set the local preference to 150 on PE1 toward BR1 outbound
- C. Set the MED to 1 on PE2 toward BR2 outbound.
- D. Set the origin to igp on BR2 toward PE2 inbound.

**Answer:** C

#### NEW QUESTION 4

Which encryption hashing algorithm does NTP use for authentication?

- A. SSL
- B. MD5
- C. AES128
- D. AES256

**Answer:** D

#### NEW QUESTION 5

Which command set configures RSPAN to capture outgoing traffic from VLAN 3 on interface GigabitEthernet 0/3 while ignoring other VLAN traffic on the same interface?

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

**Answer:** D

**NEW QUESTION 6**

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 7**

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 8**

Refer to the exhibit.

Which configuration must be applied to R to enable R to reach the server at 172.16.0.1?

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

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

**Answer:** D

**NEW QUESTION 9**

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 10**

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 10

In an SD-Access solution what is the role of a fabric edge node?

- A. to connect external Layer 3- network to the SD-Access fabric
- B. to connect wired endpoint to the SD-Access fabric
- C. to advertise fabric IP address space to external network
- D. to connect the fusion router to the SD-Access fabric

**Answer:** B

#### Explanation:

+ Fabric edge node: This fabric device (for example, access or distribution layer device) connects

#### NEW QUESTION 13

AN engineer is implementing a route map to support redistribution within BGP. The route map must be configured to permit all unmatched routes. Which action must the engineer perform to complete this task?

- A. Include a permit statement as the first entry
- B. Include at least one explicit deny statement
- C. Remove the implicit deny entry
- D. Include a permit statement as the last entry

**Answer:** D

#### NEW QUESTION 14

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 19

A network engineer is adding an additional 10Gps link to an existing 2x10Gps LACP-based LAG to augment its capacity. Network standards require a bundle interface to be taken out of service if one of its member links goes down, and the new link must be added with minimal impact to the production network. Drag and drop the tasks that the engineer must perform from the left into the sequence on the right. Not all options are used.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

A picture containing diagram Description automatically generated

#### NEW QUESTION 21

Refer to the exhibit.

What is the result when a switch that is running PVST+ is added to this network?

- A. DSW2 operates in Rapid PVST+ and the new switch operates in PVST+
- B. Both switches operate in the PVST+ mode
- C. Spanning tree is disabled automatically on the network
- D. Both switches operate in the Rapid PVST+ mode.

**Answer:** A

#### Explanation:

From the output we see DSW2 is running in RSTP mode (in fact Rapid PVST+ mode as Cisco does not support RSTP alone). When a new switch running PVST+ mode is added to the topology, they keep running the old STP instances as RSTP (in fact Rapid PVST+) is compatible with PVST+.

#### NEW QUESTION 23

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 27**

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 31**

Which design principle states that a user has no access by default to any resource, and unless a resource is explicitly granted, it should be denied?

- A. least privilege
- B. fail-safe defaults
- C. economy of mechanism
- D. complete mediation

**Answer:** B

**NEW QUESTION 32**

Refer to the exhibit.

Security policy requires all idle-exec sessions to be terminated in 600 seconds. Which configuration achieves this goal?

- A. line vty 0 15absolute-timeout 600
- B. line vty 0 15 exec-timeout
- C. line vty 01 5exec-timeout 10 0
- D. line vty 0 4exec-timeout 600

**Answer:** B

**NEW QUESTION 36**

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 38

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

- A. event manager applet ondemand event register action 1.0 syslog priority critical msg 'This is a message from ondemand'
- B. event manager applet ondemand event manual action 1.0 syslog priority critical msg 'This is a message from ondemand'
- C. event manager applet ondemand event none action 1.0 syslog priority critical msg 'This is a message from ondemand'
- D. event manager applet ondemand action 1.0 syslog priority critical msg 'This is a message from ondemand'

**Answer:** C

#### Explanation:

An EEM policy is an entity that defines an event and the actions to be taken when that event occurs. There are two types of EEM policies: an applet or a script. An applet is a simple form of policy that is defined within the CLI configuration. answer 'event manager applet ondemand event register action 1.0 syslog priority critical msg 'This is a message from ondemand'

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There are two ways to manually run an EEM policy. EEM usually schedules and runs policies on the basis of an event specification that is contained within the policy itself. The event none command allows EEM to identify an EEM policy that can be manually triggered. To run the policy, use either the action policy command in applet configuration mode or the event manager run command in privileged EXEC mode.

#### NEW QUESTION 42

Refer to the exhibit

Drag and drop the snippets into the RESTCONF request to form the request that returns this response Not all options are used

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

#### NEW QUESTION 45

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

- A. event-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 48

Which HTTP code must be returned to prevent the script from exiting?

- A. 200
- B. 201
- C. 300
- D. 301

**Answer:** D

**NEW QUESTION 50**

What is the function of cisco DNA center in a cisco SD-access deployment?

- A. It is responsible for routing decisions inside the fabric
- B. It is responsible for the design, management, deployment, provisioning and assurance of the fabric network devices.
- C. It possesses information about all endpoints, nodes and external networks related to the fabric
- D. It provides integration and automation for all nonfabric nodes and their fabric counterparts.

**Answer:** B

**NEW QUESTION 54**

Refer to the exhibit.

Which set of commands on router r R1 Allow deterministic translation of private hosts PC1, PC2, and PC3 to addresses in the public space?

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

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

**Answer:** A

**NEW QUESTION 56**

Refer to the exhibit.

A network engineer must configure NETCONF. After creating the configuration, the engineer gets output from the command show line, but not from show running-config. Which command completes the configuration?

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

**Answer:** C

#### NEW QUESTION 58

What is used to perform OoS packet classification?

- A. the Options field in the Layer 3 header
- B. the Type field in the Layer 2 frame
- C. the Flags field in the Layer 3 header
- D. the TOS field in the Layer 3 header

**Answer:** D

#### NEW QUESTION 60

An engineer is implementing a Cisco MPLS TE tunnel to improve the streaming experience for the clients of a video-on-demand server. Which action must the engineer perform to configure extended discovery to support the MPLS LDP session between the headend and tailend routers?

- A. Configure the interface bandwidth to handle TCP and UDP traffic between the LDP peers
- B. Configure a Cisco MPLS TE tunnel on both ends of the session
- C. Configure an access list on the interface to permit TCP and UDP traffic
- D. Configure a targeted neighbor session.

**Answer:** B

#### NEW QUESTION 65

Drag and drop the LISP components from the left onto the function they perform on the right. Not all options are used.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

ITR is the function that maps the destination EID to a destination RLOC and then encapsulates the original packet with an additional header that has the source IP address of the ITR RLOC and the destination IP address of the RLOC of an Egress Tunnel Router (ETR). After the encapsulation, the original packet becomes a LISP packet. ETR is the function that receives LISP encapsulated packets, decapsulates them and forwards to its local EIDs. This function also requires EID-to-RLOC mappings so we need to point out a "map-server" IP address and the key (password) for authentication. A LISP proxy ETR (PETR) implements ETR functions on behalf of non-LISP sites. A PETR is typically used when a LISP site needs to send traffic to non-LISP sites but the LISP site is connected through a service provider that does not accept non-routable EIDs as packet sources. PETRs act just like ETRs but for EIDs that send traffic to destinations at non-LISP sites. Map Server (MS) processes the registration of authentication keys and EID-to-RLOC mappings. ETRs send periodic Map-Register messages to all its configured Map Servers. Map Resolver (MR): a LISP component which accepts LISP Encapsulated Map Requests, typically from an ITR, quickly determines whether or not the destination IP address is part of the EID namespace

#### NEW QUESTION 67

Refer to the exhibit.

An engineer must modify the access control list EGRESS to allow all IP traffic from subnet 10.1.10.0/24 to 10.1.2.1 /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)
- B)
- C)
- D)



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

**Answer:** B

#### NEW QUESTION 68

Refer to the exhibit.

After implementing the configuration 172.20.20.2 stops replaying to ICMP echoes, but the default route fails to be removed. What is the reason for this behavior?

- A. The source-interface is configured incorrectly.
- B. The destination must be 172.30.30.2 for icmp-echo
- C. The default route is missing the track feature
- D. The threshold value is wrong.

**Answer:** C

#### Explanation:

The last command should be "R1(config)#ip route 0.0.0.0 0.0.0.0 172.20.20.2 track 10".

#### NEW QUESTION 72

Refer to the exhibit.

After configuring an IPsec VPN, an engineer enters the show command to verify the ISAKMP SA status. What does the status show?

- A. ISAKMP SA is authenticated and can be used for Quick Mode.
- B. Peers have exchanged keys, but ISAKMP SA remains unauthenticated.
- C. VPN peers agreed on parameters for the ISAKMP SA
- D. ISAKMP SA has been created, but it has not continued to form.

**Answer:** C

#### NEW QUESTION 75

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 78

Refer to the exhibit.

Router 1 is currently operating as the HSRP primary with a priority of 110 router1 fails and router2 take over the forwarding role. Which command on router1 causes it to take over the forwarding role when it return to service?

- A. standby 2 priority
- B. standby 2 preempt

- C. standby 2 track
- D. standby 2 timers

**Answer:** B

**NEW QUESTION 79**

Refer to the exhibit.

What is the Json syntax that is formed from the data?

- A. Name: Bob Johnson, Age: 75, Alive': true, Favourite Foods: [Cereal, Mustard, Onions]}
- B. Name: Bob Johnson, Age: 75, Alive': true, Favourite Foods: Cereal Mustard Onions
- C. Name: Bob Johnson, Age: 75, Alive': true, Favourite Foods: ['Cereal', "Mustard", "Onions]}
- D. Name: Bob Johnson, Age: seventy-five, Alive': true, Favourite Foods: [Cereal, Mustard, Onions]}

**Answer:** C

**Explanation:**

**NEW QUESTION 81**

An engineer has deployed a single Cisco 5520 WLC with a management IP address of 172.16.50.5/24. The engineer must register 50 new Cisco AIR-CAP2802I-E-K9 access points to the WLC using DHCP option 43. The access points are connected to a switch in VLAN 100 that uses the 172.16.100.0/24 subnet. The engineer has configured the DHCP scope on the switch as follows:

The access points are failing to join the wireless LAN controller. Which action resolves the issue?

- A. configure option 43 Hex F104.AC10.3205
- B. configure option 43 Hex F104.CA10.3205
- C. configure dns-server 172.16.50.5
- D. configure dns-server 172.16.100.1

**Answer:** B

**NEW QUESTION 86**

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 89**

After a redundant route processor failure occurs on a Layer 3 device, which mechanism allows for packets to be forwarded from a neighboring router based on the most recent tables?

- A. BFD
- B. RIPv2
- C. RP failover
- D. NSF

**Answer: D**

**NEW QUESTION 92**

Which two components are supported by LISP? (Choose two.)

- A. Proxy ETR
- B. egress tunnel router
- C. route reflector
- D. HMAC algorithm
- E. spoke

**Answer: AB**

**NEW QUESTION 97**

Refer to the exhibit.

Router BRDR-1 is configured to receive the 0.0.0.0/0 and 172.17.1.0/24 network via BGP and advertise them into OSPF area 0. An engineer has noticed that the OSPF domain is receiving only the 172.17.1.0/24 route and default route 0.0.0.0/0 is still missing. Which configuration must engineer apply to resolve the problem?

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

**Answer: D**

#### NEW QUESTION 102

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 103

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 104

What are the differences between TCAM and the MAC address table?

- A. The MAC address table is contained in CAM ACL and QoS information is stored in TCAM
- B. The MAC address table supports partial matches
- C. TCAM requires an exact match
- D. Router prefix lookups happen in CAM
- E. MAC address table lookups happen in TCAM.
- F. TCAM is used to make Layer 2 forwarding decisions CAM is used to build routing tables

**Answer: A**

#### Explanation:

<https://community.cisco.com/t5/networking-documents/cam-content-addressable-memory-vs-tcam-ternary-content-addressable-memory> When using Ternary Content Addressable Memory (TCAM) inside routers it's used for faster address

lookup that enables fast routing.

In switches Content Addressable Memory (CAM) is used for building and lookup of mac address table that enables L2 forwarding decisions.

Besides Longest-Prefix Matching, TCAM in today's routers and multilayer Switch devices are used to store ACL, QoS and other things from upper-layer processing.

#### NEW QUESTION 106

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 108

Refer to the exhibit.

An engineer is troubleshooting a connectivity issue and executes a traceoute. What does the result confirm?

- A. The destination server reported it is too busy
- B. The protocol is unreachable
- C. The destination port is unreachable
- D. The probe timed out

**Answer:** B

#### NEW QUESTION 112

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 116

Refer to the exhibit.

An engineer must ensure that all traffic leaving AS 200 will choose Link 2 as the exit 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. R4(config-router)bgp default local-preference 200
- B. R3(config-router)neighbor 10.1.1.1 weight 200
- C. R3(config-router)bgp default local-preference 200
- D. R4(config-router)nighbor 10.2.2.2 weight 200

**Answer:** A

**Explanation:**

Local preference is an indication to the AS about which path has preference to exit the AS in order to reach a certain network. A path with a higher local preference is preferred. The default value for local preference is 100.

Unlike the weight attribute, which is only relevant to the local router, local preference is an attribute that routers exchange in the same AS. The local preference is set with the “bgp default local-preference value” command.

In this case, both R3 & R4 have exit links but R4 has higher local-preference so R4 will be chosen as the preferred exit point from AS 200.

**NEW QUESTION 119**

Refer to the exhibit.

Which troubleshooting a routing issue, an engineer issues a ping from S1 to S2. When two actions from the initial value of the TTL? (Choose two.)

- A. The packet reaches R3, and the TTL expires
- B. R2 replies with a TTL exceeded message
- C. R3 replies with a TTL exceeded message.
- D. The packet reaches R2 and the TTL expires
- E. R1 replies with a TTL exceeded message
- F. The packet reaches R1 and the TTL expires.

**Answer:** AC

**NEW QUESTION 122**

Refer to the exhibit.

External users require HTTP connectivity to an internal company web server that is listening on TCP port 8080. Which command set accomplishes this requirement?

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

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

**Answer:** B

**NEW QUESTION 126**

Which cisco DNA center application is responsible for group-based access control permissions?

- A. Design
- B. Provision
- C. Assurance
- D. Policy

**Answer:** D

**NEW QUESTION 127**

An engineer is concerned with the deployment of new application that is sensitive to inter-packet delay variance. Which command configures the router to be the destination of jitter measurements?

- A. Router(config)# ip sla responder udp-connect 172.29.139.134 5000
- B. Router(config)# ip sla responder tcp-connect 172.29.139.134 5000
- C. Router(config)# ip sla responder udp-echo 172.29.139.134 5000
- D. Router(config)# ip sla responder tcp-echo 172.29.139.134 5000

**Answer:** D

#### NEW QUESTION 132

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 134

Which configuration restricts the amount of SSH that a router accepts 100 kbps?

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

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

**Answer:** C

**Explanation:**

CoPP protects the route processor on network devices by treating route processor resources as a separate entity with its own ingress interface (and in some implementations, egress also). CoPP is used to police traffic that is destined to the route processor of the router such as:

- + routing protocols like OSPF, EIGRP, or BGP.
- + Gateway redundancy protocols like HSRP, VRRP, or GLBP.
- + Network management protocols like telnet, SSH, SNMP, or RADIUS.

Therefore we must apply the CoPP to deal with SSH because it is in the management plane. CoPP must be put under “control-plane” command.

**NEW QUESTION 139**

Refer to the exhibit.

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 141**

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 146**

How does an on-premises infrastructure compare to a cloud infrastructure?

- A. On-premises can increase compute power faster than cloud
- B. On-premises requires less power and cooling resources than cloud
- C. On-premises offers faster deployment than cloud
- D. On-premises offers lower latency for physically adjacent systems than cloud.

**Answer:** D

**NEW QUESTION 151**

Which three methods does Cisco DNA Centre use to discover devices? (Choose three)

- A. CDP
- B. SNMP
- C. LLDP
- D. ping
- E. NETCONF
- F. a specified range of IP addresses



**Answer:** ACF

**Explanation:**

#### **NEW QUESTION 154**

Refer the exhibit.

Which router is the designated router on the segment 192.168.0.0/24?

- A. This segment has no designated router because it is a nonbroadcast network type.
- B. This segment has no designated router because it is a p2p network type.
- C. Router Chicago because it has a lower router ID
- D. Router NewYork because it has a higher router ID

**Answer:** B

#### **NEW QUESTION 155**

Which two operational models enable an AP to scan one or more wireless channels for rouge access points and at the same time provide wireless services to clients? (Choose two.)

- A. Rouge detector
- B. Sniffer
- C. FlexConnect
- D. Local
- E. Monitor

**Answer:** DE

#### **NEW QUESTION 157**

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 158**

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 163

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. R1#sh run | include aaa aaa new-modelaaa authentication login VTY group tacacs+ none aaa session-id commonR1#sh run | section vty line vty 0 4password 7 0202039485748R1#sh run | include username R1#
- B. R1#sh run | include aaa aaa new-modelaaa authentication login telnet group tacacs+ none aaa session-id commonR1#sh run | section vty line vty 0 4R1#sh run | include username R1#
- C. R1#sh run | include aaa aaa new-modelaaa authentication login default group tacacs+ none aaa session-id commonR1#sh run | section vty line vty 0 4password 7 0202039485748
- D. R1#sh run | include aaa aaa new-modelaaa authentication login default group tacacs+ aaa session-id commonR1#sh run | section vty line vty 0 4transport input none R1#

**Answer:** C

#### Explanation:

According to the requirements (first use TACACS+, then allow login with no authentication), we have to use “aaa authentication login ... group tacacs+ none” for AAA command.

The next thing to check is the if the “aaa authentication login default” or “aaa authentication login list-name” is used. The ‘default’ keyword means we want to apply for all login connections

(such as tty, vty, console and aux). If we use this keyword, we don’t need to configure anything else under tty, vty and aux lines. If we don’t use this keyword then we have to specify which line(s) we want to apply the authentication feature.

From above information, we can find out answer '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 0202039485748

If you want to learn more about AAA configuration, please read our AAA TACACS+ and RADIUS Tutorial – Part 2.

For your information, answer '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#' would be correct if we add the following command under vty line (“line vty 0 4”): “login authentication telnet” (“telnet” is the name of the AAA list above)

#### NEW QUESTION 168

Drag and drop the Qos mechanisms from the left to the correct descriptions on the right

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A picture containing diagram Description automatically generated

**NEW QUESTION 173**

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 177**

How is 802.11 traffic handled in a fabric-enabled SSID?

- A. centrally switched back to WLC where the user traffic is mapped to a VXLAN on the WLC
- B. converted by the AP into 802.3 and encapsulated into VXLAN
- C. centrally switched back to WLC where the user traffic is mapped to a VLAN on the WLC
- D. converted by the AP into 802.3 and encapsulated into a VLAN

**Answer:** B

**NEW QUESTION 182**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**NEW QUESTION 183**

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 186**

Which outbound access list, applied to the WAN interface of a router, permits all traffic except for http traffic sourced from the workstation with IP address 10.10.10.1?

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

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

**Answer:** A

**NEW QUESTION 189**

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 192**

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