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NEW QUESTION: 1

What is the function of a VTEP in VXLAN?

- A. encapsulate and de-encapsulate traffic into and out of the VXLAN fabric
- B. provide the routing underlay and overlay for VXLAN headers
- C. statically point to end host locations of the VXLAN fabric
- D. dynamically discover the location of end hosts in a VXLAN fabric

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

Refer to the exhibit.

Assuming the WLC's interfaces are not in the same subnet as the RADIUS server, which interface would the WLC use as the source for all RADIUS-related traffic?

- A. the controller virtual interface
- B. the interface specified on the WLAN configuration
- C. the controller management interface
- D. any interface configured on the WLC

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

Refer to the exhibit. What is the cause of the log messages?

- A. OSPF area change
- B. MTU mismatch
- C. hello packet mismatch
- D. IP address mismatch

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

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 D
- C. Option C
- D. Option B

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

Why is an AP joining a different WLC than the one specified through option 43?

- A. The API is joining a primed WLC
- B. The APs broadcast traffic is unable to reach the WLC through Layer 2.
- C. The AP multicast traffic unable to reach the WLC through Layer 3.
- D. The WLC is running a different software version.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

A customer requests a network design that supports these requirements:

Which protocol does the design include?

- A. GLBP
- B. VRRP version 3
- C. VRRP version 2
- D. HSRP version 2

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 8

Refer to the exhibit.

Which configuration establishes EBGP neighborship between these two directly connected neighbors and exchanges the loopback network of the two routers through BGP?

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

A. Option A

B. Option B

C. Option C

D. Option D

Answer: ([SHOW ANSWER](#))

Explanation

With BGP, we must advertise the correct network and subnet mask in the "network" command (in this case network 10.1.1.0/24 on R1 and network 10.2.2.0/24 on R2). BGP is very strict in the routing advertisements. In other words, BGP only advertises the network which exists exactly in the routing table. In this case, if you put the command "network x.x.0.0 mask 255.255.0.0" or "network x.0.0.0 mask 255.0.0.0" or "network x.x.x.x mask 255.255.255.255" then BGP will not advertise anything.

It is easy to establish eBGP neighborship via the direct link. But let's see what are required when we want to establish eBGP neighborship via their loopback interfaces. We will need two commands:

+ the command "neighbor 10.1.1.1 ebgp-multihop 2" on R1 and "neighbor 10.2.2.2 ebgpmultihop 2" on R1. This command increases the TTL value to 2 so that BGP updates can reach the BGP neighbor which is two hops away.

+ Answer '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

Quick Wireless Summary

Cisco Access Points (APs) can operate in one of two modes: autonomous or lightweight

+ Autonomous: self-sufficient and standalone. Used for small wireless networks.

+ Lightweight: A Cisco lightweight AP (LAP) has to join a Wireless LAN Controller (WLC) to function.

LAP and WLC communicate with each other via a logical pair of CAPWAP tunnels.

- Control and Provisioning for Wireless Access Point (CAPWAP) is an IETF standard for control messaging for setup, authentication and operations between APs and WLCs. CAPWAP is similar to LWAPP except the following differences:

+CAPWAP uses Datagram Transport Layer Security (DTLS) for authentication and encryption to protect traffic between APs and controllers. LWAPP uses AES.

+ CAPWAP has a dynamic maximum transmission unit (MTU) discovery mechanism.

+ CAPWAP runs on UDP ports 5246 (control messages) and 5247 (data messages) An LAP operates in one of six different modes:

+ Local mode (default mode): measures noise floor and interference, and scans for intrusion detection (IDS) events every 180 seconds on unused channels

+ FlexConnect, formerly known as Hybrid Remote Edge AP (H-REAP), mode: allows data traffic to be switched locally and not go back to the controller. The FlexConnect AP can perform standalone client authentication and switch VLAN traffic locally even when it's disconnected to the WLC (Local Switched). FlexConnect AP can also tunnel (via CAPWAP) both user wireless data and control traffic to a centralized WLC (Central Switched).

+ Monitor mode: does not handle data traffic between clients and the infrastructure. It acts like a sensor for location-based services (LBS), rogue AP detection, and IDS

+ Rogue detector mode: monitor for rogue APs. It does not handle data at all.

+ Sniffer mode: run as a sniffer and captures and forwards all the packets on a particular channel to a remote machine where you can use protocol analysis tool (Wireshark, Airopoek, etc) to review the packets and diagnose issues. Strictly used for troubleshooting purposes.

+ Bridge mode: bridge together the WLAN and the wired infrastructure together.

Mobility Express is the ability to use an access point (AP) as a controller instead of a real WLAN controller. But this solution is only suitable for small to midsize, or multi-site branch locations where you might not want to invest in a dedicated WLC. A Mobility Express WLC can support up to 100 Aps

NEW QUESTION: 9

What is a characteristic of YANG?

A. It is a Cisco proprietary language that models NETCONF data

B. It allows model developers to create custom data types

C. It structures data in an object-oriented fashion to promote model reuse

D. It provides loops and conditionals to control how within models

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

Refer to the exhibit. What does the error message relay to the administrator who is trying to configure a Cisco IOS device?

A. A NETCONF request was made for a data model that does not exist.

B. The device received a valid NETCONF request and serviced it without error.

C. A NETCONF message with valid content based on the YANG data models was made, but the request failed.

D. The NETCONF running datastore is currently locked.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

While configuring an IOS router for HSRP with a virtual IP of 10.1.1.1, an engineer sees this log message.

A. Change the HSRP virtual address on the local router to 10.1.1.1

B. Change the HSRP virtual address on the remote router to 10.1.1.1

C. Change the HSRP group configuration on the local router to 1.

D. Change the HSRP group configuration on the remote router to 1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

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

Answer:

NEW QUESTION: 13

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

A. It is not supported on Cisco devices

B. It is used for HTTP and HTTPS requests

C. It requires certificates for authentication

D. It is provided using NGINX acting as a proxy web server

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

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 source network that is specified in access-list 101.

B. Change the access-list destination mask to a wildcard.

C. Change the route-map configuration to VRF_BLUE.

D. Change the access-list number in the route map

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 15

What is the purpose of the LISP routing and addressing architecture?

A. It creates two entries for each network node, one for its identity and another for its location on the network.

- B. It allows multiple Instances of a routing table to co-exist within the same router.
- C. It creates head-end replication used to deliver broadcast and multicast frames to the entire network.
- D. It allows LISP to be applied as a network visualization overlay though encapsulation.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

Refer to the exhibit.

A network engineer configures a GRE tunnel and enters the show Interface tunnel command. What does the output confirm about the configuration?

- A. The physical interface MTU is 1476 bytes.
- B. The tunnel mode is set to the default.
- C. The keepalive value is modified from the default value.
- D. Interface tracking is configured.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

What is a characteristic of a next-generation firewall?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

What is the function of a fabric border node in a Cisco SD-Access environment?

- A. To collect traffic flow information toward external networks
- B. To attach and register clients to the fabric
- C. To handle an ordered list of IP addresses and locations for endpoints in the fabric.
- D. To connect the Cisco SD-Access fabric to another fabric or external Layer 3 networks

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

Refer to the exhibit. An engineer has configured Cisco ISE to assign VLANs to clients based on their method of authentication, but this is not working as expected. Which action will resolve this issue?

- A. set a NAC state
- B. enable AAA override
- C. require a DHCP address assignment
- D. utilize RADIUS profiling

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

Refer to the exhibit.

Which HTTP JSON response does the python code output give?

- A. NameError: name 'json' is not defined
- B. 7.0(3)I7(4)
- C. KeyError 'kickstart_ver_str'
- D. 7.61

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

How does Cisco Trustsec enable more access controls for dynamic networking environments and data centers?

- A. assigns a VLAN to the endpoint
- B. classifies traffic based on the contextual identity of the endpoint rather than its IP address correct
- C. uses flexible NetFlow
- D. classifies traffic based on advanced application recognition

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

Which entity is responsible for maintaining Layer 2 isolation between segments In a VXLAN environment?

- A. switch fabric
- B. VTEP
- C. VNID
- D. host switch

Answer: ([SHOW ANSWER](#))

Explanation

VXLAN uses an 8-byte VXLAN header that consists of a 24-bit VNID and a few reserved bits. The VXLAN header together with the original Ethernet frame goes in the UDP payload. The 24-bit VNID is used to identify Layer 2 segments and to maintain Layer 2 isolation between the segments.

NEW QUESTION: 25

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 26

Which command must be applied to R2 for an OSPF neighborship to form?

- A. network 20.1.1.2.0.0.0.0 area 0
- B. network 20.1.1.2 255.255.0.0. area 0
- C. network 20.1.1.2.0.0.255.255 area 0
- D. network 20.1.1.2 255.255.255 area 0

Answer: ([SHOW ANSWER](#))

Explanation

The network 20.0.0.0 0.0.0.255 area 0 command on R2 did not cover the IP address of Fa1/1 interface of R2 so OSPF did not run on this interface. Therefore we have to use the command network 20.1.1.2 0.0.255.255 area 0 to turn on OSPF on this interface.

Note: The command network 20.1.1.2 0.0.255.255 area 0 can be used too so this answer is also correct but answer C is the best answer here.

The network 0.0.0.0 255.255.255.255 area 0 command on R1 will run OSPF on all active

NEW QUESTION: 27

Drag and drop the descriptions of the VSS technology from the left to the right. Not all options are used.

Answer:

Explanation

Graphical user interface Description automatically generated

NEW QUESTION: 28

What does the cisco REST response indicate?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

Which characteristic distinguishes Ansible from Chef?

- A. Ansible uses Ruby to manage configurations. Chef uses YAML to manage configurations.
- B. The Ansible server can run on Linux, Unix or Windows. The Chef server must run on Linux or Unix.
- C. Ansible lacks redundancy support for the master server. Chef runs two masters in an active/active mode.
- D. Ansible pushes the configuration to the client. Chef client pulls the configuration from the server.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

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

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

Drag and drop the characteristics from the left onto the protocols they apply to on the right?

Answer:

Explanation

Diagram Description automatically generated

NEW QUESTION: 33

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: ([SHOW ANSWER](#))

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: 34

An engineer is configuring a GRE tunnel interface in the default mode. The engineer has assigned an IPv4 address on the tunnel and sourced the tunnel from an Ethernet interface. Which option also is required on the tunnel interface before it is operational?

- A. (config-if)#ip mtu <value>
- B. (config-if)#keepalive <seconds retries>
- C. (config-if)#ip tcp adjust-mss <value>
- D. (config-if)#tunnel destination <ip address>

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 35

Drag and drop the REST API authentication methods from the left onto their descriptions on the right.

Answer:

Explanation

A close-up of a graph Description automatically generated with low confidence

NEW QUESTION: 36

Refer to the exhibit. An engineer attempts to configure a router on a stick to route packets between Clients, Servers, and Printers; however, initial tests show that this configuration is not working. Which command set resolves this issue?

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

Answer: ([SHOW ANSWER](#))

Explanation

We must reconfigure the IP address after assigning or removing an interface to a VRF. Otherwise that interface does not have an IP address.

NEW QUESTION: 37

Refer to the exhibit.

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

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. RADIUS token
- C. certificate
- D. username and password

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

Refer to Exhibit.

MTU has been configured on the underlying physical topology, and no MTU command has been configured on the tunnel interfaces. What happens when a 1500-byte IPv4 packet traverses the GRE tunnel from host X to host Y, assuming the DF bit is cleared?

- A. The packet arrives on router C without fragmentation.
- B. The packet is discarded on router A
- C. The packet is discarded on router B
- D. The packet arrives on router C fragmented.

Answer: ([SHOW ANSWER](#))

Explanation

Text Description automatically generated

NEW QUESTION: 40

Which function is handled by vManage in the Cisco SD-WAN fabric?

- A. Distributes policies that govern data forwarding.
- B. Establishes IPsec tunnels with nodes
- C. Establishes BFD sessions to test liveliness of links and nodes.
- D. Performs remote software upgrades for WAN Edge vSmart and vBond.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

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 C
- C. Option B
- D. Option D

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Refer to the exhibit. Communication between London and New York is down. Which command set must be applied to the New York switch to resolve the issue?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

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)neighbor 10.2.2.2 weight 200

Answer: ([SHOW ANSWER](#))

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 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: 44

Refer to the exhibit. A network engineer configures show command to verify the configuration What does the output confirm?

- A. R1 is configured with NAT overload parameters
- B. A Telnet from 160.1.1.1 to 10.1.1.10 has been initiated.
- C. R1 is configured with PAT overload parameters
- D. The first packet triggered NAT to add an entry to NAT table

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

Under which network conditions is an outbound QoS policy that is applied on a router WAN interface most beneficial?

- A. under interface saturation condition
- B. under all network condition
- C. under network convergence condition
- D. under traffic classification and marking conditions.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

What is the role of the RP in PIM sparse mode?

- A. The RP acts as a control-plane node and does not receive or forward multicast packets.
- B. The RP responds to the PIM join messages with the source of requested multicast group
- C. The RP maintains default aging timeouts for all multicast streams requested by the receivers.
- D. The RP is the multicast address that is the root of the PIM-SM shared multicast distribution tree.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

Refer to the exhibit.

Which action resolves the EtherChannel issue between SW2 and SW3?

- A. Configure channel-group 1 mode active on both interfaces.
- B. Configure channel-group 1 mode desirable on both interfaces.
- C. Configure switchport nonegotiate on SW3
- D. Configure switchport mode trunk on SW2.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

Refer to the exhibit.

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 51

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 10.1.2.0/24. 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 D

D. Option C

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

An engineer must configure the strongest password authentication to locally authenticate on a router. Which configuration must be used?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

Which technology is used as the basis for the cisco SD-Access data plane?

- A. LISP
- B. IPsec
- C. VXLAN
- D. 802.1Q

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 54

What occurs when a high bandwidth multicast stream is sent over an MVPN using Cisco hardware?

- A. A data and default MDT are created to flood the multicast stream out of all PIM-SM neighbors.
- B. The traffic uses the default MDT to transmit the data only if it is a (S,G) multicast route entry
- C. A data MDT is created to if it is a (*, G) multicast route entries

D. A data MDT is created to allow for the best transmission through the core for (S, G) multicast route entries.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 55

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** ([LEAVE A REPLY](#))

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: 56

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: ([SHOW ANSWER](#))

Explanation

The TCP Maximum Segment Size (TCP MSS) defines the maximum amount of data that a host is willing to accept in a single TCP/IP datagram. This TCP/IP datagram might be fragmented at the IP layer. The MSS value is sent as a TCP header option only in TCP SYN segments. Each side of a TCP connection reports its MSS value to the other side. Contrary to popular belief, the MSS value is not negotiated between hosts. The sending host is required to limit the size of data in a single TCP segment to a value less than or equal to the MSS reported by the receiving host. TCP MSS takes care of fragmentation at the two endpoints of a TCP connection, but it does not handle the case where there is a smaller MTU link in the middle between these two endpoints. PMTUD was developed in order to avoid fragmentation in the path between the endpoints. It is

NEW QUESTION: 57

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

Answer:

Explanation

A picture containing diagram Description automatically generated

NEW QUESTION: 58

Refer to the exhibit.

The IP SLA is configured in a router. An engineer must configure an EEM applet to shut down the interface and bring it back up when there is a problem with the IP SLA. Which configuration should the engineer use?

- A. event manager applet EEM_IP_SLA
event track 10 state down
- B. event manager applet EEM_IP_SLA
event track 10 state unreachable
- C. event manager applet EEM_IP_SLA
event sla 10 state unreachable
- D. event manager applet EEM_IP_SLA
event sla 10 state down

Answer: ([SHOW ANSWER](#))

Explanation

The ip sla 10 will ping the IP 192.168.10.20 every 3 seconds to make sure the connection is still up. We can configure an EEM applet if there is any problem with this IP SLA via the command event track 10 state down.

NEW QUESTION: 59

What is a fact about Cisco EAP-FAST?

- A. It requires a client certificate.
- B. It operates in transparent mode.
- C. It is an IETF standard.
- D. It does not require a RADIUS server certificate.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

Refer to the exhibit.

An engineer reconfigures the port-channel between SW1 and SW2 from an access port to a trunk and immediately notices this error in SW1's log.

Which command set resolves this error?

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

D. Option C

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 61

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 ([LEAVE A REPLY](#))

Explanation

Yet Another Next Generation (YANG) is a language which is only used to describe data models (structure). It is not XML or JSON.

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NEW QUESTION: 62

At which Layer does Cisco DNA Center support REST controls?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

What is a characteristic of MACsec?

- A. 802.1AE provides encryption and authentication services
- B. 802.1AE is built between the host and switch using the MKA protocol, which negotiates encryption keys based on the master session key from a successful 802.1X session
- C. 802.1AE is built between the host and switch using the MKA protocol using keys generated via the Diffie-Hellman algorithm (anonymous encryption mode)
- D. 802.1AE is negotiated using Cisco AnyConnect NAM and the SAP protocol

Answer: ([SHOW ANSWER](#))

Explanation

MACsec, defined in 802.1AE, provides MAC-layer encryption over wired networks by using out-of-band methods for encryption keying. The MACsec Key Agreement (MKA) Protocol provides the required session keys and manages the required encryption keys. MKA and MACsec are implemented after successful authentication using the 802.1x Extensible Authentication Protocol (EAP-TLS) or Pre Shared Key (PSK) framework.

NEW QUESTION: 64

Which threat defence mechanism, when deployed at the network perimeter, protects against zero-day attacks?

- A. stateful inspection
- B. intrusion prevention
- C. sandbox
- D. SSL decryption

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

Which solution do IaaS service providers use to extend a Layer 2 segment across a Layer 3 network?

- A. VTEP
- B. VRF
- C. VLAN
- D. VXLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

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

Answer:

Explanation

Graphical user interface, application Description automatically generated with medium confidence

NEW QUESTION: 67

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: ([SHOW ANSWER](#))

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: 68

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 tcp-echo 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 udp-connect 172.29.139.134 5000

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

What is one difference between saltstack and ansible?

- A. SaltStack is constructed with minion, whereas Ansible is constructed with YAML
- B. SaltStack uses SSH to interact with Cisco devices, whereas Ansible uses an event bus
- C. SaltStack uses the Ansible agent on the box, whereas Ansible uses a Telnet server on the box
- D. SaltStack uses an API proxy agent to program Cisco boxes on agent mode, whereas Ansible uses a Telnet connection

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

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: ([SHOW ANSWER](#))

Explanation

The following different OSPF types are compatible with each other:

- + Broadcast and Non-Broadcast (adjust hello/dead timers)
- + Point-to-Point and Point-to-Multipoint (adjust hello/dead timers)

Broadcast and Non-Broadcast networks elect DR/BDR so they are compatible. Point-to-point/multipoint do not elect DR/BDR so they are compatible.

NEW QUESTION: 71

Refer to the exhibit. What is the effect of this configuration?

- A. The device will allow only users at 192.166.0.202 to connect to vty lines 0 through 4
- B. When users attempt to connect to vty lines 0 through 4, the device will authenticate them against TACACS+ if local authentication fails
- C. The device will authenticate all users connecting to vty lines 0 through 4 against TACACS+
- D. The device will allow users at 192.168.0.202 to connect to vty lines 0 through 4 using the password ciscotestkey

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 72

A network engineer configures a new GRE tunnel and enters the show run command. What does the output verify?

- A. The tunnel keepalive is configured incorrectly because they must match on both sites
- B. The tunnel destination will be known via the tunnel interface
- C. The tunnel will be established and work as expected
- D. The default MTU of the tunnel interface is 1500 byte.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

Which controller is capable of acting as a STUN server during the onboarding process of Edge devices?

- A. vManage
- B. vSmart
- C. vBond
- D. PNP server

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

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

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 75

Drag and drop the descriptions from the left onto the routing protocol they describe on the right.

Answer:

Explanation

NEW QUESTION: 76

Refer to the exhibit.

Which JSON syntax is derived from this data?

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

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

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 77

Which encryption hashing algorithm does NTP use for authentication?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 78

Which DHCP option helps lightweight APs find the IP address of a wireless LAN controller?

- A. Option 60
- B. Option 43
- C. Option 67
- D. Option 150

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 79

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 80

Which JSON syntax is valid?

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

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

Answer: ([SHOW ANSWER](#))

Explanation

This JSON can be written as follows:

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

NEW QUESTION: 81

What is used to perform OoS packet classification?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

Running the script causes the output in the exhibit. Which change to the first line of the script resolves the error?

- A. import manager

- B. from ncclient import*
- C. from ncclient import
- D. import ncclient manager

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 83

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 84

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 85

Refer to the exhibit.

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

- A. If R1 goes down, R2 becomes active but reverts to standby when R1 comes back online.
- B. R1 becomes the active router.
- C. R1 becomes the standby router.
- D. If R1 goes down, R2 becomes active and remains the active device when R1 comes back online.
- E. If R2 goes down, R1 becomes active but reverts to standby when R2 comes back online.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

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. VRRP
- B. VSS
- C. MHSRP
- D. HSRP

E. GLBP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 87

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: ([SHOW ANSWER](#))

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: 88

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. Local mode
- B. SD-Access wireless
- C. Mobility Express
- D. Autonomous

Answer: ([SHOW ANSWER](#))

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